

3.4.9 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Scopus Data

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
2017-18				
Advent of memristor based synapses on neuromorphic engineering	Vidya S., Ahmed M.R.	2017 International Conference on Microelectronic Devices, Circuits and Systems, ICMDCS 2017	2017	49
A novel tree based method for data hiding and integrity in medical images	Sreejith R., Senthil S.	Proceedings - 2017 IEEE International Conference on Electrical, Instrumentation and Communication Engineering, ICEICE 2017	2017	
Computational Identification of microRNA-17-3p in Breast Cancer Cells	Shincy J.S., Panagal M., Jereena J., Vengatagiri G.Y., Vittalrao K.R., Sivakumar P., Gopinath V., Kumar K.M., Sekar D.	MicroRNA (Sharjah, United Arab Emirates)	2017	
Thermal performance of heat sink with fluid pockets for high power light emitting diode	Sangmesh, Narayana G.K., Honnaiah M.S., Venkatesh K., Siddalingappa K.M.	International Journal of Automotive and Mechanical Engineering	2017	
A mutation in IFT43 causes non-syndromic recessive retinal degeneration	Biswas P., Duncan J.L., Ali M., Matsui H., Naeem M.A., Raghavendra P.B., Frazer K.A., Arts H.H., Riazuddin S., Akram J., Hejtmancik J.F., Riazuddin S.A., Ayyagari R.	Human Molecular Genetics	2017	
A miniaturized metamaterial slot antenna for wireless applications	Ali T., Mohammad Saadh A.W., Biradar R.C., Anguera J., Andujar A.	AEU - International Journal of Electronics and Communications	2017	
Clock synchronization in wireless sensor networks using least common multiple	Tabassum N., Devanagavi G.D., Biradar R.C.	AEU - International Journal of Electronics and Communications	2017	
A potential white light emitting cubic ZrO ₂ :Dy ³⁺ , Li ⁺ nano phosphors for solid state lighting applications	Prakashbabu D., Ramalingam H.B., Krishna R.H., Nagabhushana B.M., Shivakumara C., Munirathnam K., Ponkumar S.	Journal of Luminescence	2017	
Secure and energy efficient routing protocol in Wireless Sensor Network: A survey	Ajaykumar N., Sarvagya M.	2017 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2017	2017	
Emerging vehicular cloud applications	Hegde N., Manvi S.S.	2017 International Conference on Computer Communication and Informatics, ICCCI 2017	2017	
Pilot based channel equalization using extended Kalman filter for Rayleigh fading channel	Rashmi N., Kumar K.N.P., Hamsavahini R., Sarvagya M.	Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017	2017	

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Data aggregation and routing scheme for smart city public utility services using WSN	Nayaka R.J., Biradar R.C.	Proceedings of the 2017 2nd IEEE International Conference on Electrical, Computer and Communication Technologies, ICECCT 2017	2017	
'Can social entrepreneurs do well by doing good? Blending social and economic value creation'- An investigation	Abhi S.	Academy of Entrepreneurship Journal	2017	
Analysis of simply supported reinforced concrete skew slabs	Naresh Reddy G.N., Muthu K.U.	International Journal of Civil Engineering and Technology	2017	
Experimental studies on the energy absorption capacity of axially compressed metal tubes	Manjunatha G., Sharath G.S., Srinivas S.	International Journal of Mechanical Engineering and Technology	2017	
Design, development, motion simulation and analysis of roller with coil lifter for heavy coil wrapping machine	Sharath G.S., Manjunatha G., Srinivas S.	International Journal of Mechanical Engineering and Technology	2017	
Eco-concrete for sustainability: utilizing aluminium dross and iron slag as partial replacement materials	Javali S., Chandrashekar A.R., Naganna S.R., Manu D.S., Hiremath P., Preethi H.G., Vinod Kumar N.	Clean Technologies and Environmental Policy	2017	
Charge transport mechanism in p-type copper ion containing triazine thiolate metallopolymer thin film devices	Deepak K., Roy A., Anjaneyulu P., Kandaiah S., Pinjare S.L.	Journal of Applied Physics	2017	
A Combined Edge and Connected Component Based Approach for Kannada Text Detection in Images	Siddiqua S., Naveena C., Manvi S.K.	Proceedings - 2017 International Conference on Recent Advances in Electronics and Communication Technology, ICRAECT 2017	2017	
Erratum to: Whole Genome Sequencing Revealed Mutations in Two Independent Genes as the Underlying Cause of Retinal Degeneration in an Ashkenazi Jewish Pedigree (Genes, (2017) 8, (210), 10.3390/genes8090210)	Gustafson K., Duncan J.L., Biswas P., Soto-Hermida A., Matsui H., Jakobosky D., Suk J., Telenti A., Frazer K.A., Ayyagari R.	Genes	2017	
Pilot aided non-linear channel equalization using Unscented Kalman Filter for IEEE 802.16e ITU pedestrian a channel model	Rashmi N., Kumar K.N.P., Kumar P.D., Sarvagya M.	Proceedings of the International Conference on Inventive Systems and Control, ICISC 2017	2017	
Positron annihilation spectroscopy and photoluminescence investigation of LaOF:Tb ³⁺ nanophosphor fabricated via ultrasound assisted sonochemical route	Suresh C., Nagabhushana H., Darshan G.P., Basavaraj R.B., Sharma S.C., Sunitha D.V., Daruka Prasad B.	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	2017	
A 3-D Radio Irregularity Model (3DRIM) for Wireless Sensor Network	Anand N., Bellipady S.R., Ranjan R., Varma S.	Wireless Personal Communications	2017	
Modeling, simulation and analysis of noninverting buck-boost converter using PSIM	Viswanatha V., Venkata Siva Reddy R.	2016 International Conference on Circuits, Controls, Communications and Computing, I4C 2016	2017	
Automated diagnosis of Coronary Artery Disease using pattern recognition approach	Desai U., Nayak C.G., Seshikala G., Martis R.J.	Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society, EMBS	2017	

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Agent-based secure routing for underwater acoustic sensor networks	Bharamagoudra M.R., Manvi S.S.	International Journal of Communication Systems	2017	
Grey Relational Analysis Coupled with Principal Component Analysis for Optimization of Stereolithography Process to Enhance Part Quality	Raju B.S., Chandra Sekhar U., Drakshayani D.N.	IOP Conference Series: Materials Science and Engineering	2017	
Application of ensemble classifiers in accurate diagnosis of myocardial ischemia conditions	Desai U., Nayak C.G., Seshikala G.	Progress in Artificial Intelligence	2017	
Comparative study on performance and emission characteristics of single cylinder diesel engine using honge oil and its methyl ester blended with diesel as fuel	Telgane V., Godiganur S., Jaikumar	International Journal of Mechanical Engineering and Technology	2017	
Reducing the rejection rate of pistons during machining	Navinesh B.C., Somasundar B., Aparna B.N., Pramod S.N.	International Journal of Mechanical Engineering and Technology	2017	
Estimation of road surface drainage water and use of same drainage water for the ecology development a case study: Nh44 hebbel to international airport devanahalli through flyover	Kumar A.K.S., Reddy Y.R.	International Journal of Civil Engineering and Technology	2017	
Whole genome sequencing revealed mutations in two independent genes as the underlying cause of retinal degeneration in an ashkenazi jewish pedigree	Gustafson K., Duncan J.L., Biswas P., Soto-Hermida A., Matsui H., Jakubosky D., Suk J., Telenti A., Frazer K.A., Ayyagari R.	Genes	2017	
Topology based adaptive hybrid multicast routing in mobile ad hoc networks	Walikar G.A., Biradar R.C., Geetha D.D.	WIECON-ECE 2016 - 2016 IEEE International WIE Conference on Electrical and Computer Engineering	2017	
Development of integrated road drainage systems for the improvement of irrigation engineering practice and ecology case study: Reva University circle junction to Nagawara circle	Anil Kumar K.S., Ramalinga Reddy Y.	International Journal of Civil Engineering and Technology	2017	
Study of sensitivity of mode shapes in damage identification using continuous wavelet transform	Suresha S., Mallikarjuna Reddy D.	ARPJ Journal of Engineering and Applied Sciences	2017	
An efficient orange-red-emitting LiNa ₃ P ₂ O ₇ :Sm ³⁺ pyrophosphate: Structural and optical analysis for solid-state lighting	Dillip G.R., Munirathnam K., Raju B.D.P., Sushma N.J., Joo S.W.	Luminescence	2017	
Adaptive weighted-covariance regularized Kernel Fuzzy C means algorithm for medical image segmentation	Hemalatha K.L., Manvi S., Suresh H.N.	Journal of Theoretical and Applied Information Technology	2017	
Cognitive relay selection with incomplete channel state information of interference links	Das P., Mehta N.B., Arya P.N.	IEEE International Conference on Communications	2017	
An outlier detection scheme for wireless sensor networks	Patil S.D., Vijayakumar B.P.	2016 5th International Conference on Wireless Networks and Embedded Systems, WECON 2016	2017	
ANFIS-Based Resource Mapping for Query Processing in Wireless Multimedia Sensor Networks	Shivappa N., Manvi S.S.	Journal of Intelligent Systems	2017	
State space analysis of boost DC/DC converter with voltage mode control	Shenoy K.L., Nayak C.G., Mandi R.P.	AIP Conference Proceedings	2017	

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Wireless detection system for health and military application	Yallalinga, Benni N.S., Manvi S.S.	Proceedings - 7th IEEE International Advanced Computing Conference, IACC 2017	2017	
Smart waste management using Internet-of-Things (IoT)	Shyam G.K., Manvi S.S., Bharti P.	Proceedings of the 2017 2nd International Conference on Computing and Communications Technologies, ICCCT 2017	2017	
Analysis of some two dimensional functions using two dimensional Fourier transforms: Image reconstruction and physical significance	Jagatheswari G.K., Honnavar G.V., Murugesan R.	Proceedings of the 2017 2nd International Conference on Computing and Communications Technologies, ICCCT 2017	2017	
Analysis of the effects of currency demonetization in India using Bayesian prediction	Chandrakar I.	Proceedings of the 2017 2nd International Conference on Computing and Communications Technologies, ICCCT 2017	2017	
Cognitive architecture based smart grids for smart cities	Pranaya Y.C., Himarish M.N., Baig M.N., Ahmed M.R.	3rd International Conference on Power Generation Systems and Renewable Energy Technologies, PGSRET 2017	2017	
Applying classification techniques to predict students' academic results	Senthil S., Lin W.M.	2017 IEEE International Conference on Current Trends in Advanced Computing, ICCTAC 2017	2017	
Architecture for IOT based geriatric care fall detection and prevention	Kumar E.S., Sachin P., Vignesh B.P., Ahmed M.R.	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2017	
Implementation of STDP based learning rule in neuromorphic CMOS circuits	Srinidhi P.J., Yashaswini T.R., Uttunga N., Ali S.A., Ahmed M.R.	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2017	
Externalization of tacit knowledge in a knowledge management system using chat bots	Narendra U.P., Pradeep B.S., Prabhakar M.	Proceeding - 2017 3rd International Conference on Science in Information Technology: Theory and Application of IT for Education, Industry and Society in Big Data Era, ICSITech 2017	2017	
Non-negative matrix factorization algorithms for blind source separation in speech recognition	Santosh K.S., Bharathi S.H.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
Use of genetic algorithms for classification of datasets	Nandish Shanabog C.S., Ashwinkumar U.M.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A miniaturized slotted ground fractal Koch multiband antenna for wireless applications	Fathima N., Nayana K.S., Ali T., Biradar R.C.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A novel metamaterial rectangular CSRR with pass band characteristics at 2.95 and 5.23 GHz	Ali T., Mohammad S.A.W., Biradar R.C.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	

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Dynamic error control scheme based on channel characteristics in wireless sensor networks	Patil M., Biradar R.C.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A miniaturized truncated ground plane concentric ring shaped UWB antenna for wireless applications	Mohammad S.A.W., Khaleeq M.M., Ali T., Biradar R.C.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A survey on human motion capturing (HMC) system based on distributed computing technology with flexible architecture	Dinesh Prasanna A., Prabhakar M., Murthy M.V., Ravichandran N.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
Performance analysis of CS-MRI reconstruction using particle swarm optimization for different sampling patterns	Manisha, Shrividya G., Bharathi S.H.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A review of aligners for protein protein interaction networks	Ali A., Viswanath R., Patil S.S., Venugopal K.R.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
Compressive data aggregation technique based on comb needle model with deterministic scheme for military application	Abdul Raheem S., Prabhakar M., Kumar P.P.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
IADA intelligent cargo system with integrated fingerprint module and GPS modules	Dinesh Prasanna P., Prabhakar M., Murthy M.V., Jijesh J.J.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A compact slotted multiband antenna for L-band and WLAN applications	Prasad K.D., Ali T., Biradar R.C.	RTEICT 2017 - 2nd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, Proceedings	2017	
A multi residue analysis of 47 multiclass pesticide residues in mango (<i>Mangifera indica</i>) samples by GC-MS/MS using a modified quechers extraction method	Bilehal D.C., Khetagoudar M.C., Chetti M.B.	Advances in Chemistry Research	2017	
MEGOR: Multi-constrained energy efficient geographic opportunistic routing in wireless sensor network	Praveen Kumar K.V., Banga M.K., Megha D., Thippeswamy B.M., Udayarani, Venugopal K.R.	Journal of Telecommunication, Electronic and Computer Engineering	2017	
Relevance of microRNA 21 in Different Types of Hypertension	Sekar D., Shilpa B.R., Das A.J.	Current Hypertension Reports	2017	
Driving the photoluminescent and structural properties of X ₂ -Y ₂ SiO ₅ by varying the dopant Dy ³⁺ concentration towards cool WLED applications	Ramakrishna G., Nagabhushana H., Hareesh K., Sunitha D.V.	Solid State Sciences	2017	
Variable light emission by the mixture of 1:1 ratio of LiNa ₃ P ₂ O ₇ :Sm ³⁺ and LiNa ₃ P ₂ O ₇ :Tb ³⁺ phosphor under near UV excitation	Munirathnam K., Prakashbabu D.	Optik	2017	
A survey on authentication schemes in VANETs for secured communication	Manvi S.S., Tangade S.	Vehicular Communications	2017	

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Prediction of heart disease at early stage using data mining and big data analytics: A survey	Salma Banu N.K., Swamy S.	2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques, ICEECCOT 2016	2017	
MEBOR: Multi-constraint energy balanced opportunistic routing in wireless sensor network	Praveen Kumar K.V., Banga M.K., Rani U., Thippeswamy B.M., Vanugopal K.R.	2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques, ICEECCOT 2016	2017	
LCP substrate based micro strip patch antenna	Khan I., Sudhindra K.R., Geetha D., Fakhruddin K.	2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques, ICEECCOT 2016	2017	
Energy consumption reduction in a pervasive environment using dynamic sink in WSN	Hemant Kumar R., Ramakrishna K.T.	2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques, ICEECCOT 2016	2017	
Reliable and energy efficient hybrid multicast routing in Mobile Ad Hoc Networks	Walikar G.A., Biradar R.C.	International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 - Proceedings	2017	
Harmonic Elimination System (HES) using a novel type of Pulse Width Modulation (PWM) scheme in Matlab-Simulink environment	Patil R.M., Nagaraj M.S., Venkataramu P.S.	International Conference on Signal Processing, Communication, Power and Embedded System, SCOPES 2016 - Proceedings	2017	
A novel frequency reconfigurable rectangular step slotted antenna for WLAN/ITU	Ali T., Pathan S., Biradar R.C.	2016 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2016	2017	
Scalable and privacy-preserving authentication protocol for secure vehicular communications	Tangade S., Manvi S.S.	2016 IEEE International Conference on Advanced Networks and Telecommunications Systems, ANTS 2016	2017	
Deciphering the molecular signaling pathways in breast cancer pathogenesis and their role in diagnostic and treatment modalities	Thiviyah Prabha A.G., Sekar D.	Gene Reports	2017	
Impedance studies on PF 6 - Doped Poly(3,4 ethylenedioxythiophene) devices	Roy A., Anjaneyulu P., Menon R.	AIP Conference Proceedings	2017	
Electromagnetic perspective of tensor	Thomas S., Choudhury B.	Metamaterial Inspired Electromagnetic Applications: Role of Intelligent Systems	2017	
Design of three metasurface acting as left-handed material for reconfigurable antenna	Ali T., Biradar R.C.	2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016	2017	
A novel approach of using security enabled Zigbee in vehicular communication	Lakshmi Shree K., Penubaku L., Nandihal G.	2016 IEEE International Conference on Computational Intelligence and Computing Research, ICCIC 2016	2017	
A compact multiband antenna using $\lambda/4$ rectangular stub loaded with metamaterial for IEEE 802.11N and IEEE 802.16E	Ali T., Biradar R.C.	Microwave and Optical Technology Letters	2017	

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Extraction of Y ₂ O ₃ :Cr ³⁺ nanophosphor by eco-friendly approach and its suitability for white light-emitting diode applications	Prasanna Kumar J.B., Ramgopal G., Sunitha D.V., Prasad B.D., Nagabhushana H., Vidya Y.S., Anantharaju K.S., Prashantha S.C., Sharma S.C., Prabhakara K.R.	Luminescence	2017	
Characterization of power system attributes for nonlinear loads through sub-space signal methods	Mahesh G.S., Ravi Kumar H.M., Mandi R.P.	IEEE International Conference on Power Electronics, Drives and Energy Systems, PEDES 2016	2017	
A compact hexagonal slot dual band frequency reconfigurable antenna for WLAN applications	Ali T., Biradar R.C.	Microwave and Optical Technology Letters	2017	
Selectivity estimation in web query optimization	Shashidhar H.R., Raju G.T., Murthy V.	ACM International Conference Proceeding Series	2017	
Experimental and numerical studies on buckling of laminated composite skew plates with circular holes under uniaxial compression	Srinivasa C.V., Prema Kumar W.P., Prathap Kumar M.T., Bangar A.R., Kumar P., Rudresh M.S.	Mechanics of Advanced Materials and Structures	2017	
An investigative study on motifs extracted features on real time big-data signals	Ahmed S.T., Patil K.K.	Proceedings of IEEE International Conference on Emerging Technological Trends in Computing, Communications and Electrical Engineering, ICETT 2016	2017	
Recruitment graph model for hiring unique competencies using social media mining	Jere S., Jayannavar L., Ali A., Kulkarni C.	ACM International Conference Proceeding Series	2017	
Radio irregularity model based on received signal strength for three dimensional Wireless Sensor Network	Anand N., Ranjan R., Varma S.	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	
Impact of node failure on the routing performance in Wireless Mesh Network	Benni N.S., Manvi S.S.	IEEE Region 10 Annual International Conference, Proceedings/TENCON	2017	
Media access control in wireless sensor networks using priority index	Patil M., Biradar R.C.	Indonesian Journal of Electrical Engineering and Computer Science	2017	
Investigation of disorder and its effect on electrical transport in electrochemically doped polymer devices by current-voltage and impedance spectroscopy	Khan M.R., Anjaneyulu P., Koteswara Rao K.S.R., Menon R.	Journal of Physics D: Applied Physics	2017	
Event driven energy depth and channel aware routing for underwater acoustic sensor networks: Agent oriented clustering based approach	Bharamagoudra M.R., Manvi S.S., Gonen B.	Computers and Electrical Engineering	2017	
A digital Cross Connect (DCS) switch for multicast and broadcast traffic	Thakur G., Sharan P., Sarvagya M.	2016 IEEE Annual India Conference, INDICON 2016	2017	
Review on enhanced data rate receiver design using efficient modulation techniques for underwater acoustic communication	Kumar M.G.R., Sarvagya M.	Proceedings of 2016 International Conference on Advanced Communication Control and Computing Technologies, ICACCCT 2016	2017	
Thesis Proposal Summary: Key Management Authentication and Non Repudiation for Information Transaction in Vehicular Cloud Environments	Hegde N., Manvi S.S.	Proceedings - 2016 IEEE International Conference on Cloud Computing in Emerging Markets, CCEM 2016	2017	
Fault Tolerant Cloud Software Systems Using Software Configurations	Reddy C.M., Nalini N.	Proceedings - 2016 IEEE International Conference on Cloud Computing in Emerging Markets, CCEM 2016	2017	

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EBDRA: Energy balanced dynamic cluster routing approach for WSN	Praveen K.K.V., Udaya R.V., Banga M.K., Thippeswamy B.M., Venugopal K.R.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Comparative analysis of K means clustering using different scheduling algorithms	Kavya D.S., Desai C.D.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Application of compressed sensing on magnetic resonance imaging: A brief survey	Shrividya G., Bharathi S.H.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Extraction of Behavioral patterns from pre-processed web usage data for web personalization	Doddegowda B.J., Raju G.T., Manvi S.K.S.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
CTF Controller for CT scan using beagle bone black	Kathare V., Prasad N.S.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
DSB-SC AM based Software Defined Radio(SDR) Design	Saraswati S.B., Asuti G.M., Mishra A.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Design of high gain bulk-driven miller OTA using 180nm CMOS technology	Sushma P.S., Gaonkar S., Gurumurthy K.S., Fathima A.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
An efficient technique for automated diagnosis of cardiac rhythms using electrocardiogram	Desai U., Nayak C.G., Seshikala G.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Dynamic priority-based resource allocation policy for mixed traffic in long term evolution network	Kauser H., Chaudhari S.S.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
An area efficient multiplexer for crossbar arbiter design using quantum dot cellular automata	Thakur G., Gumpe A., Sarvagya M., Sharan P.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Analysis and application of compressive sensing technique for rapid magnetic resonance imaging	Kavitha S., Shrividya G., Bharathi S.H.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Design of vedic IEEE 754 floating point multiplier	Havaladar S., Gurumurthy K.S.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Data analytics in wireless sensor based network for public utility control and management	Patil S.H., Nayaka R.J., Biradar R.C.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	

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Crop disease classification using texture analysis	Pinto L.S., Ray A., Reddy M.U., Perumal P., Aishwarya P.	2016 IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2016 - Proceedings	2017	
Implementation of testing and simulation of PIM-SM multicast for ship data network	Divya S., Kounte M.R.	IFIP International Conference on Wireless and Optical Communications Networks, WOCN	2017	
Trust Model for Secure Routing and Localizing Malicious Attackers in WSN	Navami Patil G.M., Basarkod P.I.	Lecture Notes in Networks and Systems	2017	
A Novel Outlier Detection Scheme (ODS) in Wireless Sensor Networks	Patil S.D., Vijayakumar B.P.	Lecture Notes in Networks and Systems	2017	
Extraction of foreground objects using background subtraction model in video systems	Pavan Kumar U., Bharathi S.H.	Journal of Advanced Research in Dynamical and Control Systems	2017	
Fast-flying object detection using an improved visual background extractor algorithm	Pavan Kumar U., Bharathi S.H.	Journal of Advanced Research in Dynamical and Control Systems	2017	
Optimization algorithm for minimizing the earliness/tardiness of automated guided vehicles using artificial immune system	Mahalakshmi, Murugesan R.	International Journal of Applied Engineering Research	2017	
A review paper on various load balancing algorithms in cloud computing	Archana M., Shastry M.	Journal of Engineering and Applied Sciences	2017	
Data aggregation technique for comb needle model using intrusion detection in military application	Abdul Raheem S., Prabhakar M., Venugopal C.	Journal of Advanced Research in Dynamical and Control Systems	2017	
Experimental computations to assess surface wear in roller bearing using integrated approach of vibration analysis and spectroscopic techniques	Hiremath N., Mallikarjuna Reddy D.	Journal of Engineering and Applied Sciences	2017	
Identification of DG location through sensitivity factors under Line Outage Condition	Daram S.B., Kiran M., Venkataramu P.S., Nagaraj M.S.	International Journal of Grid and Distributed Computing	2017	
Techno-economic evaluation of grid-connected solar photovoltaic power plant for rural banks	Mandi R.P.	Handbook of Distributed Generation: Electric Power Technologies, Economics and Environmental Impacts	2017	
Solar PV system with energy storage and diesel generator	Mandi R.P.	Handbook of Distributed Generation: Electric Power Technologies, Economics and Environmental Impacts	2017	
Influence of oxidant to fuel ratio on the structural and optical properties of In ₂ O ₃ nanoparticles synthesized by auto-combustion method	Hosamani G., Pattar J., Manjanna J., Jagadale B.N.	Materials Today: Proceedings	2017	
Swarm intelligence algorithms for medical image registration: A comparative study	Sarvamangala D.R., Kulkarni R.V.	Communications in Computer and Information Science	2017	
Smart libraries for smart cities: a historic opportunity for quality public libraries in India	Kulkarni S., Dhanamjaya M.	Library Hi Tech News	2017	
Experimental Studies to Assess Surface Wear Using Grease Degradation, Bearing Temperature and Statistical Parameter of Vibration Signals in a Roller Bearing	Hiremath N., Mallikarjuna Reddy D.	Materials Today: Proceedings	2017	

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CLIF: Cross-layer interactive framework for enhancing network lifetime and communication in WSN	Chandra S., Patil K.K., Talanki S.	International Journal of Intelligent Engineering and Systems	2017	
Lifetime elongation of wireless sensor networks with mobile sink in delay-sensitive applications	Babu R., Shenoy U.K.K., Patil K.K.	Communications in Computer and Information Science	2017	
Adaptive Genetic Algorithm Based Multi-Objective Optimization for Photovoltaic Cell Design Parameter Extraction	Kumari P.A., Geethanjali P.	Energy Procedia	2017	
Comparative measurement variation analysis on coordinate measuring machine and white light scan systems	George R., Vijayakumar D., Murugesan R.	International Journal of Mechanical Engineering and Technology	2017	
Delamination detection in composite wind turbine blade spar model by using spatial signal processing	Swamy S., Mallikarjuna Reddy D.	International Journal of Mechanical Engineering and Technology	2017	
Influence of pyrogallol antioxidant on performance and emissions of a CI fuelled with neem oil biodiesel	Balaji S., Saravanan R., Kapilan N.	International Journal of Mechanical Engineering and Technology	2017	
Experimental study of secondary wick as a heat pipe	Vinod R., Basavarajappa Y.H., Karthik S., Kumaraswamy K.L.	International Journal of Mechanical Engineering and Technology	2017	
Life estimation of turbine blisk for a gas turbine engine	Ugargol R., Narayanaswamy K.S., Sesha Kumar C.V.	International Journal of Mechanical Engineering and Technology	2017	
Erosion behaviour of HVOF sprayed (CR3C2-35%NICK) +5%Si coatings	Somasundaram B., Jegadeeswaran N., Madhu G., Ramesh M.R.	International Journal of Mechanical Engineering and Technology	2017	
Optimization of image enhancement using an artificial immune system	Jagatheswari G.K., Murugesan R.	International Journal of Mechanical Engineering and Technology	2017	
CFD analysis of convergent-divergent and contour nozzle	Madhu B.P., Sameer S., Kalyana Kumar M., Mahendra Mani G.	International Journal of Mechanical Engineering and Technology	2017	
The role of LASER treatment HVOF coating to prevent hot corrosion on industrial turbines	Dharamendara M., Jegadeeswaran N., Somasundaram B.	International Journal of Mechanical Engineering and Technology	2017	
Experimental based crack identification in aircraft wing stiffened panel using wavelet algorithm	Suresha S., Arun Kumar K., Mallikarjuna Reddy D.	International Journal of Mechanical Engineering and Technology	2017	
TCSC incorporated voltage stability assessment under contingency condition	Baleboina G.M., Daram S.B., Venkataramu P.S., Nagaraj M.S.	International Journal of Grid and Distributed Computing	2017	
Fractal PKC-based key management scheme for wireless sensor networks	Patil S.D., Vijayakumar B.P., Patil K.K.	Advances in Intelligent Systems and Computing	2017	
Industrially scalable synthesis of anti-alzheimer drug donepezil	Gaonkar S.L., Nadaf Y.F., Bilehal D., Shetty N.S.	Asian Journal of Chemistry	2017	
Earth mover's distance-based CBIR using adaptive regularised Kernel fuzzy C-means method of liver cirrhosis histopathological segmentation	Guptha N.S., Patil K.K.	International Journal of Signal and Imaging Systems Engineering	2017	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Over-exploitation of groundwater, and its impact on phreatic aquifer system, surface water bodies and rural water supply schemes in Malur Taluk, Kolar District, Karnataka - A case study	Ramaiah S.N., Reddy R., Reddy V.J.	Nature Environment and Pollution Technology	2017	
Do literature festivals promote reading and public libraries? A survey	Kulkarni S., Dhananjaya M., Balaji B.P.	Library Hi Tech News	2017	
Integrated S-AODV and DEL-CMAC algorithm of spatio-temporal cross-layer in sensor network	Chandra S., Talanki S., Patil K.K.	Advances in Intelligent Systems and Computing	2017	
ASRD: Algorithm for spliced region detection in digital image forensics	Meenakshi Sundaram A., Nandini C.	Advances in Intelligent Systems and Computing	2017	
CARIC: A novel modeling of combinatorial approach for radiological image compression	Lakshminarayana M., Sarvagya M.	Advances in Intelligent Systems and Computing	2017	
Fabrication and investigation of tensile and bending-mechanical and oxidative biodegradation properties of hybrid natural fibre reinforced bio-composites	Jagadish S.P., Dinesh K.R., Thimmana Gouda A., Swamy S.	International Journal of Mechanical Engineering and Technology	2017	
Virtual reality for metal arc welding: A review and design concept	Bharath V.G., Patil R.	International Journal of Mechanical Engineering and Technology	2017	
Bio-based diluents improve cold flow properties of dairy washed milk-scum biodiesel	Srikanth H.V., Venkatesh J., Godiganur S., Venkateswaran S., Manne B.	Renewable Energy	2017	
A miniaturized volkswagen logo UWB antenna with slotted ground structure and metamaterial for GPS, WIMAX and WLAN applications	Ali T., Biradar R.C.	Progress In Electromagnetics Research C	2017	
Heterogeneous Transesterification of Garcenia gummi gutta Oil Using t-ZrO ₂ : A novel feedstock for biodiesel synthesis and fuel property evaluation	Sreekanth R., Joshi S.S., Reddy R.P.	Asian Journal of Chemistry	2017	
A latest comprehensive study on structured threat information expression (STIX) and trusted automated exchange of indicator information (TAXII)	Apoorva M., Eswarawaka R., Reddy P.V.B.	Advances in Intelligent Systems and Computing	2017	
Metal ion-containing C ₃ N ₃ S ₃ coordination polymers chemisorbed to a copper surface as acid stable hydrogen evolution electrocatalysts	R. S. V., Kandaiah S.	Journal of Materials Chemistry A	2017	
Tailoring the luminescence properties of Y ₂ O ₃ :Sm ³⁺ nanophosphors by 6 MeV electron beam irradiation	Sunitha D.V., Nagabhushana H., Hareesh K., Boraskar V.N., Dhole S.D.	Radiation Measurements	2017	
A survey on hybrid routing mechanisms in mobile ad hoc networks	Walikar G.A., Biradar R.C.	Journal of Network and Computer Applications	2017	
2018-19				
Investigation on Heat Transfer Properties of Water Based TiO ₂ -ZnO Nanofluids	Chaitanya Lahari M.L.R., Sessa Talpa Sai P.H.V., Narayana Swamy K.S., Krishnamurthy N., Sharma K.V.	IOP Conference Series: Materials Science and Engineering	2018	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
CBTM: Cryptography Based Trust Management Scheme for Secure Vehicular Communications	Tangade S., Manvi S.S.	2018 15th International Conference on Control, Automation, Robotics and Vision, ICARCV 2018	2018	
Visible-Light-Active Mixed-Valent Copper-Ion-Coordinated 2,5-Dimercapto-1,3,4-thiadiazole-Based p-Type Metallopolymer	Udachyan I., Kumara P., Vishwanath R.S., Kandaiah S.	ChemElectroChem	2018	
Tetrazolo[1,5-a]pyrimidine-based metal(II) complexes as therapeutic agents: DNA interaction, targeting topoisomerase I and cyclin-dependent kinase studies	Khan Haleel A., Mahendiran D., Rafi U.M., Veena V., Shobana S., Rahiman A.K.	Inorganic and Nano-Metal Chemistry	2018	
Performance Evaluation Analysis of Direction of Arrival Estimation Algorithms using ULA	Raghu K., Prameela Kumari N.	3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, ICECCOT 2018	2018	
An Investigation on Solar Energy Harvesting in Wireless Sensor Networks with PV MPPT	Ankaiah B., Mandi R.P.	3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, ICECCOT 2018	2018	
A slotted quad band MSPA for WiMAX and C/X-band applications	Khan I., Devanagavi G.D., Sudhindra K.R., Ali T., Shruthi C., Nirmala S.	2018 International Conference on Networking, Embedded and Wireless Systems, ICNEWS 2018 - Proceedings	2018	
Design and evaluation of coarse tuned feedback DAGC for bluetooth low energy receivers	Bharath H.P., Basarkod P.I.	2018 International Conference on Networking, Embedded and Wireless Systems, ICNEWS 2018 - Proceedings	2018	
Inscription Manuscripts and its Performance Evaluation Methods	Bhat S., Seshikala G.	2018 International Conference on Circuits and Systems in Digital Enterprise Technology, ICCSDET 2018	2018	
Deferment of power generation in deregulated markets – A goal programming approach	Praveena Kumara K.M., Harish Babu G.A., Uday Kumar K.N., Nagesh B.K.	International Journal of Mechanical Engineering and Technology	2018	
Developing amenities in a city suburban with goal programming	Polasi S., Harish Babu G.A., Uday Kumar K.N.	International Journal of Mechanical Engineering and Technology	2018	
The effect of thermal radiation, viscous dissipation and chemical reaction on MHD boundary-layer flow of nanofluids over a moving surface	Jakati S.V., Raju B.T., Nargund A.L., Sathyanarayana S.B.	International Journal of Mechanical Engineering and Technology	2018	
Properties of bipolar fuzzy soft graphs	Rajeshwari M., Murugesan R., Venkatesh K.A.	International Journal of Mechanical Engineering and Technology	2018	
Squeeze film behavior of rough elliptical plates with micro polar fluids	Anagod R.R., Kumar J.S., Hanumagowda B.N.	ARPJ Journal of Engineering and Applied Sciences	2018	
Analysis of porous elliptical plates with micropolar fluids	Anagod R.R., Santhosh Kumar J., Hanumagowda B.N.	International Journal of Mechanical Engineering and Technology	2018	
Stochastic reynolds equation for the combined effect of pressure dependent viscosity and couple stresses on squeeze-film characteristics of porous annular plates	Jahan N., Hanumagowda B.N., Sreekala C.K.	International Journal of Mechanical Engineering and Technology	2018	
Mechanical properties of UHMWPE woven fabric/epoxy composites	RajendraPrasad P., Prakash J.N., Manjunath L.H.	International Journal of Mechanical Engineering and Technology	2018	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Fault tolerant software systems using software configurations for cloud computing	Mylara Reddy C., Niranjana N.	Journal of Cloud Computing	2018	
Trust Management Based on Node Stay Time in VANET	Koirala B., Tangade S.S., Manvi S.S.	2018 International Conference on Advances in Computing, Communications and Informatics, ICACCI 2018	2018	
Dealing of Data Pre-processing with Computational Intelligence for Sampling and Analysis of Soil-Case Bidar District-Karnataka.	Gulledmath S., Arulkumar V.	Journal of Physics: Conference Series	2018	
Anti-Inflammatory, Radical Scavenging Mechanism of New 4-Aryl-[1,3]-thiazol-2-yl-2-quinoline Carbohydrazides and Quinoliny[1,3]-thiazolo[3,2-b][1,2,4]triazoles	Srinivasa S.B., Poojary B., Brahmavara U., Das A.J., Middha S.K.	ChemistrySelect	2018	
Cognitive Architecture Based Smart Homes for Smart Cities	Baig M.N., Himarish M.N., Pranaya Y.C., Ahmed M.R.	Proceedings of the 2nd International Conference on Trends in Electronics and Informatics, ICOEI 2018	2018	
Security and Privacy Challenges in Internet of Things	Virat M.S., Bindu S.M., Aishwarya B., Dhanush B.N., Kounte M.R.	Proceedings of the 2nd International Conference on Trends in Electronics and Informatics, ICOEI 2018	2018	
A New Property of the Discrete Cosine Transform IV DCT-IV	Madhukar B.N., Bharathi S.H.	Proceedings of the 2018 IEEE International Conference on Communication and Signal Processing, ICCSP 2018	2018	
A miniaturized circularly polarized coaxial fed superstrate slot antenna for L-band application	Ali T., Saadh M.A.W., Pathan S., Biradar R.C.	Internet Technology Letters	2018	
Design and implementation of crossbar scheduler for system-on-chip network in quantum dot cellular automata technology	Thakur G., Sarvagya M., Sharan P.	Internet Technology Letters	2018	
Provisioning Authentication on Demand in Wireless Sensor Networks: PAW	Patil S.D., Patil K.K.	2018 6th Edition of International Conference on Wireless Networks and Embedded Systems, WECON 2018 - Proceedings	2018	
effects of surface roughness with MHD on the micro polar fluid flow between rough elliptic plates	Halambi B., Hanumagowda B.N.	International Journal of Mechanical Engineering and Technology	2018	
Combined effect of piezo-viscous dependency and non-Newtonian couple stresses in porous squeeze-film circular plate	Kumar V., Naganagowda H.B., Kumar J.S., Thimmaiah R.B.	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2018	
A hybrid moth-flame fuzzy logic controller based integrated cuk converter fed brushless DC motor for power factor correction	Kamalpathi K., Priyadarshi N., Padmanaban S., Holm-Nielsen J.B., Azam F., Umayal C., Ramachandaramurthy V.K.	Electronics (Switzerland)	2018	
Multiband, frequency reconfigurable, and metamaterial antennas design techniques: Present and future research directions	Ali T., Pathan S., Biradar R.C.	Internet Technology Letters	2018	
Structural and functional properties of sol-gel synthesized and microwave heated Pb _{0.8} Co _{0.2} -zLazTiO ₃ (z = 0.05–0.2) nanoparticles	Kumar N.S., Suvarna R.P., Babu Naidu K.C., Kumar G.R., Ramesh S.	Ceramics International	2018	

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Efficient Synthesis and in Silico Studies of the Benzimidazole Hybrid Scaffold with the Quinolinyloxadiazole Skeleton with Potential α -Glucosidase Inhibitory, Anticoagulant, and Antiplatelet Activities for Type-II Diabetes Mellitus Management and Treating Thrombotic Disorders	Bharadwaj S.S., Poojary B., Nandish S.K.M., Kengaiyah J., Kirana M.P., Shankar M.K., Das A.J., Kulal A., Sannanigaiah D.	ACS Omega	2018	
On sparse Audio Data Watermarking by Exploiting Haar Transform Structure	Jayarani E.A., Bhatt M.R., Geetha D.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Analysis on Channel Parameters and Signal Processing methods at mm-wave for 5G networks	Abdul Haq N., Sarvagya M.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Performance of Power Converters for Ultra Low Power Systems: A Review	George A.M., Y Kulkarni S.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
A study of Optimum Sampling Pattern for Reconstruction of MR Images using Compressive Sensing	Shrividya G., Bharathi S.H.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
CAN controlled complex real time stimulus for verification and validation of powertrain systems	Gowda M.B., Biradar R.C., Kotgire M.K.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
14 -bit Low Power Successive Approximation ADC using Two Step Split Capacitive array DAC with multiplexer switching.	Savitha M., Reddy R.V.S.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
ICAIECC 2018 Message from Director, School of CIT	Manvi D.S.S.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
ICAIECC 2018 Message from Vice-Chancellor	Kulkarni S.Y.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Dynamic key Dependent S-Box for Symmetric Encryption for IoT Devices	Ara T., Shah P.G., Prabhakar M.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Enhanced Framework for Sentiment Analysis in Text using Distance based Classification Scheme	Angadi S., Venkata Siva Reddy R.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Design and Analysis of Two Novel Metamaterial Unit Cell for Antenna Engineering	Ali T., Subhash B.K., Biradar R.C.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	

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A Metamaterial based Multiband Frequency Reconfigurable Antenna for Wireless Applications	Ashish K., Yeshaswini D., Subhash B.K., Ali T., Biradar R.C.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
An Innovative Approach of Classroom Scheduling: SmartClass: A Review	Khandelwal S.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Smart-Cart for Smart-Cities	Prem Kumar G., Bangre S.B., Kavya M., Varun M., Anupama R.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
ICAIECC 2018 Message from Advisor	Talawar V.G.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Analysis, Comparison Simulation of Three Phase 9 Level Cascaded Multilevel Inverter with Advanced Modulation Control Techniques using Less Switches	Kumar M.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
ICAIECC 2018 Message from Registrar	Dhanamjaya M.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Preprocessing and Binarization of Inscription Images using Phase Based Features	Bhat S., Seshikala G.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
A Novel LCP substrate dual band antenna loaded with T-shaped resonator and Circular slot	Khan I., Geetha D., Sudhindra R.K., Ali T., Biradar R.C.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
A Compact Audi-Shaped Slotted Multiband Antenna for WiMAX/WLAN/X-band Applications	Subhash B.K., Abhishek K., Tanweer A., Bharathi S.H., Biradar R.C.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
A Compact Planar Metamaterial Inspired Antenna for Satellite Applications	Subhash B.K., Ali T., Biradar R.C.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
ICAIECC 2018 Message from Honorable Chancellor	Raju P.S.	Proceedings of 2018 2nd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2018	2018	
Miccs: A novel framework for medical image compression using compressive sensing	Lakshminarayana M., Sarvagya M.	International Journal of Electrical and Computer Engineering	2018	
OFCS: Optimized Framework of Compressive Sensing for Medical Images in Bottleneck Network Condition	Lakshminarayana M., Sarvagya M.	International Journal of Electrical and Computer Engineering	2018	
Heat transfer enhancement in a high power LED using heat sink with liquid pockets	Sangmesh B., Gopalakrishna K., Manjunath S.H., Kumar M.N., Kumar G.V.	Journal of Scientific and Industrial Research	2018	

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A Dual band Metamaterial Antenna for 5G and Higher Satellite band Applications	Ali T., Subhash B.K., Prasad K.D., Biradar R.C.	2018 4th International Conference for Convergence in Technology, I2CT 2018	2018	
Time-Domain Analysis of a U-Shaped Wideband Monopole Antenna operating in the range 6.9-8.2GHz for Satellite Applications	Hegde S.K., Subhash B.K., Ali T.	Proceedings of the 3rd International Conference on Communication and Electronics Systems, ICCES 2018	2018	
Effect of cryoforging on mechanical properties of low SFE cast brass	Dasharath S.M., Mula S., Patil S.	International Journal of Mechanical and Production Engineering Research and Development	2018	
Evaluation of mechanical properties of E-glass fibre reinforced polymer matrix composite used as implant for tibia bone	Pujar S.N., Dinesh K.R., Jagadish S.P., Swamy S.	International Journal of Mechanical Engineering and Technology	2018	
Study of Casson nano MHD flow over a stretching sheet with non-uniform heat source/sink by ham	Jakati S.V., Raju B.T., Nargund A.L., Sathyanarayana S.B.	International Journal of Mechanical Engineering and Technology	2018	
Fuzzy logic and regression modelling of machining parameters in turning using cryo-treated M2 HSS tool	Santosh, Manjunath L.H., Ahmed M.R., Lokesha M.	International Journal of Mechanical Engineering and Technology	2018	
MICCS: A novel framework for medical image compression using compressive sensing	Lakshminarayana M., Sarvagya M.	International Journal of Electrical and Computer Engineering	2018	
OFCS: Optimized framework of compressive sensing for medical images in bottleneck network condition	Lakshminarayana M., Sarvagya M.	International Journal of Electrical and Computer Engineering	2018	
Hot Corrosion Behaviour of Refractory and Rare Earth Oxide Reinforced CoCrAlY APS Coatings at 700 °C	Nithin H.S., Desai V., Ramesh M.R.	Transactions of the Indian Institute of Metals	2018	
Cyclic Oxidation and Hot Corrosion Behavior of Plasma-Sprayed CoCrAlY + WC-Co Coating on Turbine Alloys	Nithin H.S., Vijay D., Ramesh M.R.	Journal of Failure Analysis and Prevention	2018	
Solid Modelling Interaction with Sensors in Virtual Environment for the Application of Virtual Reality Welding	Bharath V.G., Patil R.	International Conference on Current Trends in Computer, Electrical, Electronics and Communication, CTCCEC 2017	2018	
Performance study of DFIG under variable wind speed for grid integration	Latha Shenoy K., Nayak C.G., Mandi R.P.	Journal of Advanced Research in Dynamical and Control Systems	2018	
A Toyota Logo Penta-band Antenna loaded with pi and inverted L-shaped Slots for Multiple Wireless Applications	Ali T., Kavinaamole A., Subhash B.K., Biradar R.C.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	
A Survey on Efficient Spectrum Utilization for Future Wireless Networks Using Cognitive Radio Approach	Madan H.T., Basarkod P.I.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	
A Compact Maple leaf Shaped Multiband Antenna Loaded with dodecagonal slot for Wireless Applications	Ali T., Ashish K., Subhash B.K.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	
A Compact Multiband Antenna loaded with Etype unit cell DGS structure and H-shaped slot for WiMAX/WLAN Applications	Ali T., Abhiram, Subhash B.K., Biradar R.C.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	

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A highly Compact Triple band Antenna for diverse Wireless Applications	Ali T., Darshan, Subhash B.K., Durga Prasad K.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	
A Compact Planar Triple band slotted Antenna for Wireless Applications	Khan I., Geetha D., Sudhindra K.R., Ali T., Biradar R.C.	Proceedings of the 4th International Conference on Applied and Theoretical Computing and Communication Technology, iCATccT 2018	2018	
Experimental investigation on HSFP using MWCNT based nanofluids for high power light emitting diodes	Sangmesh B., Gopalakrishna K., Manjunath S.H., Kathyayini N., Kadirgama K., Samykano M., Vijayakumar G.C.	Journal of Mechanical Engineering and Sciences	2018	
Experimental analysis of vortex tube by using different materials	Kumar Rao K.K., Sharanappa G., Ramesh A.	International Journal of Mechanical Engineering and Technology	2018	
A case study on metrological analysis of fuel injection system of aeronautical engine	George R., Murugesan R., Vijayakumar D.	International Journal of Mechanical Engineering and Technology	2018	
Photocatalytic degradation performance of Nd ³⁺ doped V ₂ O ₅ nanostructures	Navyashree G.R., Hareesh K., Sunitha D.V., Nagabhushana H., Nagaraju G.	Materials Research Express	2018	
A miniaturized multiband reconfigurable fractal slot antenna for GPS/GNSS/Bluetooth/WiMAX/X-band applications	Ali T., Fatima N., Biradar R.C.	AEU - International Journal of Electronics and Communications	2018	
Decentralized and scalable privacy-preserving authentication scheme in VANETs	Tangade S., Manvi S.S., Lorenz P.	IEEE Transactions on Vehicular Technology	2018	
Flux influenced morphology tailoring and emission color tuning to pure white in ZrO ₂ :Eu ³⁺ +phosphors	Ponkumar S., Janaki K., PrakashBabu D., Kumar M.M., Reddy M.M.	Journal of Luminescence	2018	
A miniaturized slotted multiband antenna for wireless applications	Ali T., Prasad K.D., Biradar R.C.	Journal of Computational Electronics	2018	
A fractal quad-band antenna loaded with L-shaped slot and metamaterial for wireless applications	Ali T., Saadh Aw M., Biradar R.C.	International Journal of Microwave and Wireless Technologies	2018	
I-PAR: Improved Petal Ant Routing Algorithm for Mobile Ad-Hoc Networks	Sathyaprakash B.P., Jayaprasad M., Manjunath M.	2nd International Conference on Computational Systems and Information Technology for Sustainable Solutions, CSITSS 2017	2018	
A compact bandwidth enhanced antenna loaded with SRR for WLAN/WiMAX/satellite applications	Ali T., Mohammad Saadh A.W., Biradar R.C.	Advanced Electromagnetics	2018	
Design and performance analysis of multiband microstrip antennas for iot applications via satellite communication	Sanil N., Venkat P.A.N., Ahmed M.R.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Design of Dual-band Microstrip antenna for WiMax and X band applications	Prahlad, Prasanna M., Rakesh V., Ahmed M.R.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Predicting lung cancer using datamining techniques with the aid of SVM classifier	Senthil D.S., Ayshwarya B.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	

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Analysis through machine learning techniques: A survey	Reddy R., Shyam G.K.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Design and Performance Analysis of Dual-band Microstrip patch antennas for Smart Apparels	Prahlad, Kandakatla R.A., Riyaz Ahmed M.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Design of an U shaped slotted patch antenna for RFID Vehicle Identification	Prahlad, Sanil N., Venkat P.A.N., Ahmed M.R.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Survey on Intelligent Control Approaches for Prediction of Boiler Efficiency in Thermal Power Plant	Thota S., Mandi R.P., Chaudhari S.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Multiband circularly polarized microstrip reader antenna for RFID applications	Prasanna M., Rakesh V., Ahmed M.R.	Proceedings of the 2nd International Conference on Green Computing and Internet of Things, ICGCIoT 2018	2018	
Effect of hydromagnetic squeeze film lubrication of micropolar fluid between two elliptical plates	Halambi B., Hanumagowda B.N.	International Journal of Mechanical Engineering and Technology	2018	
Deep learning based weighted SOM to forecast weather and crop prediction for agriculture application	Mohan P., Patil K.K.	International Journal of Intelligent Engineering and Systems	2018	
A miniaturized slotted ground structure UWB antenna for multiband applications	Ali T., Mohammad Saadh A.W., Biradar R.C., Andujar A., Anguera J.	Microwave and Optical Technology Letters	2018	
Influence of heat treatment on Cr and Fe-rich precipitates in thermally aged duplex steels	Vasanth S., Krishna H., Gopi K.R., Anne G.	Emerging Materials Research	2018	
Critical Survey on IOT Based Monitoring and Control of Induction Motor	Potturi S., Mandi R.P.	2018 IEEE 16th Student Conference on Research and Development, SCORED 2018	2018	
IFT88 mutations identified in individuals with non-syndromic recessive retinal degeneration result in abnormal ciliogenesis	Chekuri A., Guru A.A., Biswas P., Branham K., Boroah S., Soto-Hermida A., Hicks M., Khan N.W., Matsui H., Alapati A., Raghavendra P.B., Roosing S., Sarangapani S., Mathavan S., Telenti A., Heckenlively J.R., Riazuddin S.A., Frazer K.A., Sieving P.A., Ayyagari R.	Human Genetics	2018	
Review on Magnetocaloric Effect and Materials	Ram N.R., Prakash M., Naresh U., Kumar N.S., Sarmash T.S., Subbarao T., Kumar R.J., Kumar G.R., Naidu K.C.B.	Journal of Superconductivity and Novel Magnetism	2018	
Consumer insight mining: Aspect based Twitter opinion mining of mobile phone reviews	Rathan M., Hulipalld V.R., Venugopal K.R., Patnaik L.M.	Applied Soft Computing Journal	2018	
Allocating advertising cost by goal programming	Sandeep Kumar K., Harish Babu G.A., Uday Kumar K.N.	International Journal of Mechanical and Production Engineering Research and Development	2018	

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Performance and emission characteristics of a CNG-Biodiesel dual fuel operation of a single cylinder four stroke CI engine	Basavarajappa Y.H., Banapurmath N.R., Pradeep G., Vinod R., Yaliwal V.	IOP Conference Series: Materials Science and Engineering	2018	
A review: Mechanical Properties of HSS Steel by deep Cryo-Treatment	Santosh, Manjunatha L.H., Lokesha M., Ajaykumar B.S.	IOP Conference Series: Materials Science and Engineering	2018	
Hybridized approach of artificial bee colony algorithm for detection of suspicious brain pattern using magnetic resonance images	Balasubramani K., Madhura P., Kulkarni R.V., Pavithra P.	IEEE International Conference on Power, Control, Signals and Instrumentation Engineering, ICPCSI 2017	2018	
A simulation study of impact of low and high mobility on MANET routing protocols	Ravi B., Patil K.K., Shenoy U.K.K., Holla B.A.	2017 International Conference on Energy, Communication, Data Analytics and Soft Computing, ICECDS 2017	2018	
Elevated temperature solid particle erosion behaviour of carbide reinforced CoCrAlY composite coatings	Nithin H.S., Desai V., Ramesh M.R.	Materials Research Express	2018	
ZrO ₂ -Al ₂ O ₃ nanocomposite: Synthesis, characterization and influence of electron beam irradiation on the structural and PL properties	Ponkumar S., Janaki K., Prakash Babu D., Munirathnam K., Kumar M.M.	AIP Conference Proceedings	2018	
Smart grids: A perspective on the integration and encapsulation of power energy systems with ICT systems- New research directions and challenges	Mallikarjuna M., Khanam A., Poonia A.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Detection of unusual events in low resolution video for enhancing ATM security and prevention of thefts	Prajwal B.K., Sreeharsha M.S., Raghulan R., Sumanth Babu S., Kiran M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Modeling and performance study of DFIG for wind application	Latha Shenoy K., Gurudas Nayak C., Mandi R.P.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Cloud broker and their role in a hybrid multi cloud environment	Girish G., Nischita N.J.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Honey bee optimization based resource discovery scheme for vehicular cloud networks	Kambalimath M.G., Kakkasageri M.S., Manvi S.S.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Enhancement of coverage in wireless sensor network	Biradar S., Mallikarjuna Shastry P.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Road traffic network solution in Matlab using soft computing	Chattoraj M., Udaya Rani V.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A survey on technique for prediction of disease in medical data	Tikotikar A., Kodabagi M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	

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Feature Driven Hybrid Test Automation Framework (FDHTAF) for web based or cloud based application testing	Kiranagi V.H., Shyam G.K.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Smart university-student information management system	Jain S., Garg R., Bhosle V., Sah L.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Measuring students' engagement using wireless heart rate sensors	Senthil S., Lin W.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Trust management scheme in VANET: Neighbour communication based approach	Tangade S., Manvi S.S.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Every post matters: A survey on applications of sentiment analysis in social media	Rathan M., Hulipalled V.R., Murugeswari P., Sushmitha H.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Grid interactive rooftop solar PV power plant for educational institute	Mandi R.P.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Prediction capability of neural network models for higher heating value used for boiler efficiency	Thota S., Mandi R.P., Ramesh N., Chaudhari S.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Securing data using elliptic curve cryptography and least significant bit steganography	Bhadra J., Banga M.K., Vinayaka Murthy M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Product recommendation for the day using fuzzy c-means and association rule generator in KNIME	Japali S.B., Archana B.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A Corner truncated circularly polarized antenna for IRNSS application	Khaleeq M.M., Saadh A.W.M., Ali T., Reddy B.S.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
NotifySec (A secured notification infrastructure)	Iddalagi P.H., Veena K.N.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Challenges and solutions of interoperability on IoT: How far have we come in resolving the IoT interoperability issues	Konduru V.R., Bharamagoudra M.R.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A review on overlapping community detection methodologies	Rashmi C., Kodabagi M.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	

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Estimation of battery management system	Sagar B.S., Mandi R.P.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Digital control of buck converter using arduino microcontroller for low power applications	Viswanatha V., Reddy R.V.S.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A review on using various DM techniques for evaluation of performance and analysis of heart disease prediction	Bindushree D.C., Rani V.U.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Spamming the mainstream: A survey on trending Twitter spam detection techniques	Lalitha L.A., Hulipalled V.R., Venugopal K.R.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A double negative metamaterial antenna for WiMAX application	Saadh A.W.M., Ali T., Biradar R.C.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Database-per-service for e-learning system with micro-service architecture	Suresh Kumar S., Mallikarjuna Shastry P.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Throughput optimized using evolutionary computing to guarantee QoS in IEEE 802.16 networks	Ravishankar H., Patil K.K.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A review on home automation system	Jerabandi M., Kodabagi M.M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A slotted multiband antenna with wide-bandwidth operation at lower band for WLAN/WiMAX applications	Ali T., Khaleeq M.M., Fathima N., Biradar R.C.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A survey on clock synchronization protocols in wireless sensor networks	Geetha D.D., Tabassum N.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Comparison, simulation and hardware setup for single phase cascaded multilevel inverter with less switches	Kumar M.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
A review on detection of prostate cancer techniques	Kaulgud S.P., Hulipalled V.R., Patil S.S., Venugopal K.R.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Comb needle model for data aggregation using self-diagnose cluster in WSN	Raheem S.A., Prabhakar M., Venugopal C.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Real time traffic speed controlling, collision detection and vehicle tracking system	Chethan H.D., Hegde P.V.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Evolutionary STBD model for bio-signal compression provisioning in wire-less sensor network	Kumble L., Patil K.K.	Proceedings of the 2017 International Conference On Smart Technology for Smart Nation, SmartTechCon 2017	2018	
Design of a dual-substrate H-Type patch antenna for UHF RFID applications	Kumar M.S., Basarkod P.I.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
A fuzzy based approach to cluster formation in wireless sensor networks to enhance the lifetime of the network	Nagesha, Manvi S.S.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
A miniaturized dual band antenna loaded with L and G-shaped slots for WiMAX/WLAN Applications	Ali T., Bhudevi H., Subhash B.K., Prasad K.D., Biradar R.C.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
A compact hept-band slot antenna for wireless applications	Ali T., Yeshaswini D., Biradar R.C., Subhash B.K.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
Trust evaluation based on reward points for alerts in VANET	Koirala B., Tangade S.S., Manvi S.S.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
Modeling and Simulation of on-chip ramp generator for power management IC's using cadence	Sudharshan K.M., Pallavi R., Anilkumar C.S., Yatheesh H.G.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
A compact low profile rectangular shaped octa-band planar antenna for wireless applications	Ali T., Subhash B.K., Yashaswini B.S., Prasad K.D., Darshana P.N., Biradar R.C.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
Design and simulation of DC-DC buck converter using cadence tool	Sudharshan K.M., Anilkumar C.S., Pallavi R., Yatheesh H.G., Santosh, Siva Reddy S.V.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
A compact quad band slot antenna for WLAN/WiMAX/X-band applications	Ali T., Meti D., Biradar R.C., Subhash B.K.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
Automotive electronic safety for intelligent transportation system	Padmanabha K.S., Basarkod P.I., Asuti M.G.	2018 3rd IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2018 - Proceedings	2018	
Characterisation & hot corrosion studies on plasma sprayed (WC-CO) / (CR3C2-NICR) Coating on titanium & special steel alloys	Reddy M.S.G., Ramesh M.R., Rao N.T., Jegadeeswaran N.	International Journal of Mechanical Engineering and Technology	2018	

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Combined effect of surface roughness and pressure-dependent viscosity over couple-stress squeeze film lubrication between circular stepped plates	Hanumagowda B.N., Raju B.T., Santhosh Kumar J., Vasanth K.R.	Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology	2018	
Synthesis of hitherto unknown 4,4-bis(Methylthio)but-3-en-2-one-1,1,1,3-d4 and its application as 1,3-dielectrophilic building block for the synthesis of deuterated heterocycles and aromatics	Charanraj T.P., Ramachandra P., Ramesh N., Junjappa H.	Letters in Organic Chemistry	2018	
Effect of micropolar fluids on squeeze film lubrication between curved annular plates	Hanumagowda B.N., Chaithra N., Salma A.	Journal of Physics: Conference Series	2018	
Combined effect of Piezo-viscous dependency and non-Newtonian couple stresses in Annular Plates Squeeze-Film characteristics	Hanumagowda B.N., Savitamma G., Salma A., Noorjahan	Journal of Physics: Conference Series	2018	
Effects of surface roughness, MHD and couple stress on squeeze film characteristics between curved circular plates	Hanumagowda B.N., Salma A., Nagarajappa C.S.	Journal of Physics: Conference Series	2018	
Study of effect of magnetohydrodynamics and couple stress on steady and dynamic characteristics of porous exponential slider bearings	Hanumagowda B.N., Gonchigara T., Santhosh Kumar J., Mshiva Kumar H.	Journal of Physics: Conference Series	2018	
Effect of micropolar fluids on the squeeze film elliptical plates	Anagod R.R., Hanumagowda B.N., Santhosh Kumar J.	Journal of Physics: Conference Series	2018	
Combined effect of piezo-viscous dependency and Couple Stresses on Squeeze-Film Characteristics of Rough Annular Plates	Jahan N., Hanumagowda B.N., Salma A., Shivakumar H.M.	Journal of Physics: Conference Series	2018	
Combined Effect of Piezoviscous Dependency and Non-Newtonian Couple Stress on Squeeze-Film Porous Annular Plate	Vasanth K.R., Hanumagowda B.N., Santhosh Kumar J.	Journal of Physics: Conference Series	2018	
Mathematical Optimization Algorithm for Minimizing the Cost Function of GHG Emission in AS/RS Using Positive Selection Based Clonal Selection Principle	Mahalakshmi, Murugesan R.	Journal of Physics: Conference Series	2018	
Effects of non-uniform temperature gradients on surface tension driven two component magneto convection in a porous-fluid system	Manjunatha N., Sumithra R.	Journal of Physics: Conference Series	2018	
Effect of pressure dependent viscosity on couple stress squeeze film lubrication between porous circular stepped plates	Hanumagowda B.N., Raju B.T., Santhosh Kumar J., Vasanth K.R.	Journal of Physics: Conference Series	2018	
Artificial Immune Algorithm for Subtask Industrial Robot Scheduling in Cloud Manufacturing	Suma T., Murugesan R.	Journal of Physics: Conference Series	2018	
Effects of an external circuit on a MHD slider bearing with couplestress fluid between conducting plates	Fathima S.T., Jamal S., Hanumagowda B.N.	Journal of Physics: Conference Series	2018	

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Analysis of Effect of magneto hydrodynamics and couple stress of steady and dynamic characteristics for porous secant slider bearings	Hanumagowda B.N., Cyriac T., Kavitha L., Salma A.	Journal of Physics: Conference Series	2018	
Analysis of effect of magneto-hydrodynamic, couple-stress and roughness on conical bearing	Hanumagowda B.N., Swapna S.N., Asha B.S.	Journal of Physics: Conference Series	2018	
Effects of Surface Roughness on Conical Squeeze Film Bearings with Micropolar fluid	Rajani C.B., Hanumagowda B.N., Shigehalli V.S.	Journal of Physics: Conference Series	2018	
Computer aided detection system for lung cancer using computer tomography scans	Mahesh S., Rakesh S., Patil V.C.	AIP Conference Proceedings	2018	
Syn vs Anti Carboxylic Acids in Hybrid Peptides: Experimental and Theoretical Charge Density and Chemical Bonding Analysis	Pal R., Reddy M.B.M., Dinesh B., Venkatesha M.A., Grabowsky S., Jelsch C., Guru Row T.N.	Journal of Physical Chemistry A	2018	
New congruences for overcubic partition function	Shivashankar C., Mahadeva Naika M.S.	Matematiski Vesnik	2018	
Parameter estimation for photovoltaic system under normal and partial shading conditions: A survey	Kumari P.A., Geethanjali P.	Renewable and Sustainable Energy Reviews	2018	
Diversity and Inclusion Management: A Focus on Employee Engagement	Itam U., Bagali M.M.	Management Techniques for a Diverse and Cross-Cultural Workforce	2018	
A survey on fault detection, diagnosis and recovery in wireless mesh networks	Manvi S., Benni N.	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017	2018	
A comprehensive overview on variants of CUCKOO search algorithm and applications	Rakesh S., Mahesh S.	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017	2018	
Crop production rate estimation using parallel layer regression with deep belief network	Mohan P., Patil K.K.	International Conference on Electrical, Electronics, Communication Computer Technologies and Optimization Techniques, ICEECCOT 2017	2018	
A multiband reconfigurable slot antenna for wireless applications	Ali T., Muzammil Khaleeq M., Biradar R.C.	AEU - International Journal of Electronics and Communications	2018	
ZrO ₂ :Sm ³⁺ nanophosphor: synthesis, Rietveld refinement, optical and thermoluminescent properties	Ponkumar S., Janaki K., Prakashbabu D., Ramalingam H.B., Munirathnam K., Sreekanth T.V.M., Dhoble S.J.	Applied Physics A: Materials Science and Processing	2018	
A triple-band highly miniaturized antenna for WiMAX/WLAN applications	Ali T., Biradar R.C.	Microwave and Optical Technology Letters	2018	
Corrigendum to "Positron annihilation spectroscopy and photoluminescence investigation of LaOF:Tb ³⁺ nanophosphor fabricated via ultrasound assisted sonochemical route" [Mater. Sci. Eng. B 224 (2017) 28–39] (S0921510717301551) (10.1016/j.mseb.2017.07.001))	Suresh C., Nagabhushana H., Darshan G.P., Basavaraj R.B., Sharma S.C., Sunitha D.V., Daruka Prasad B., Williams J.F., Hareesh K.	Materials Science and Engineering B: Solid-State Materials for Advanced Technology	2018	
Solid Modelling Interaction with Sensors for Virtual Reality Welding	Bharath V.G., Patil R.	MATEC Web of Conferences	2018	

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Effect of SiC Nano powder on Multiaxial Woven and Chopped Randomly Oriented Flax/Sisal Fiber Reinforced composites	Kalagi G.R., Patil R., Shetty S.K., Nayak M.	MATEC Web of Conferences	2018	
Identification of the genetic determinants responsible for retinal degeneration in families of Mexican descent	Villanueva A., Biswas P., Kishaba K., Suk J., Tadimeti K., Raghavendra P.B., Nadeau K., Lamontagne B., Busque L., Geoffroy S., Mongrain I., Asselin G., Provost S., Dube M.-P., Nudleman E., Ayyagari R.	Ophthalmic Genetics	2018	
Resource Allocation in Cloud Computing Using Optimization Techniques	Shyam G.K., Chandrakar I.	Studies in Big Data	2018	
Redundancy Elimination with Coverage Preserving Algorithm in Wireless Sensor Network	Biradar S., Shastry M.	International Journal of Communication Networks and Information Security	2018	
Analysis of large volume data processing using clustering algorithms	Sarada B., Vinayaka Murthy M., Udaya Rani V.	International Journal of Engineering and Technology(UAE)	2018	
An approach to achieve high efficiency for large volume data processing using multiple clustering algorithms	Sarada B., Vinayaka Murthy M., Udaya Rani V.	International Journal of Engineering and Technology(UAE)	2018	
Building a prediction model to predict the Breast Cancer using ANN'S kernel based method	Naganandini G., Vishwanth R.H.	International Journal of Engineering and Technology(UAE)	2018	
Efficient and compressive hybrid data dissemination model with data aggregation in healthcare applications using WSN	Abdul Raheem S., Prabhakar M., Venugopal C., Gillela K.	International Journal of Engineering and Technology(UAE)	2018	
Analysis of ZIP load modeling in power transmission system	Ram S.S., Daram S.B., Venkataramu P.S., Nagaraj M.S.	International Journal of Control and Automation	2018	
FPGA implementation of UART with single error correction and double error detection (UART-SEC-DED)	Gorabal A., Nayana D.K.	International Journal of Engineering and Technology(UAE)	2018	
Energy efficient secured cluster based distributed fault diagnosis protocol for IoT	Ara T., Prabhkar M., Shah P.G.	International Journal of Communication Networks and Information Security	2018	
Spectroscopic properties of NiO, PbO, CaO and MgO ionic crystals synthesized by ball milling method	Kumar G.R., Basha D.B., Naidu K.C.B., Ramesh S., Srinivas K.	Recent Patents on Materials Science	2018	
A multiband slot antenna loaded with stubs for WLAN/WIMAX/satellite TV applications	Khan I., Ali T., Devanagavi G.D., Sudhindra K.R., Biradar R.C.	Advanced Electromagnetics	2018	
Application of genetic algorithm for efficient reconstruction of compressive sensed MRI	Shrividya G., Bharathi S.H.	Journal of Advanced Research in Dynamical and Control Systems	2018	
Digital manufacturing of dental implants using computer aided engineering and fused deposition method	Sardar K., Patil R.	International Journal of Mechanical and Production Engineering Research and Development	2018	
Using map-reduce for image analysis in cloud environment	Supreeth S., Raja Rajeshwari M.M.	Lecture Notes in Networks and Systems	2018	
A survey on the path restoration in MPLS networks	Ambika B.J., Naga Maruthi Kumari N., Banga M.K.	Lecture Notes in Networks and Systems	2018	
Liver contour and shape analysis under pattern clustering	Guptha N.S., Patil K.K.	Lecture Notes in Networks and Systems	2018	

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Classifying the lung cancer related genes in protein to protein interaction network using a predictive model	Patil A.K., Patil S.S., Prabhakarprabhakar M.	Journal of Advanced Research in Dynamical and Control Systems	2018	
A process capability improvement of machining parameters of ten ton compactor's rear chassis	Khola V., Harsha R.	International Journal of Mechanical and Production Engineering Research and Development	2018	
Medical image segmentation based on extreme learning machine algorithm in Kernel Fuzzy C-Means using artificial bee colony method	Lingappa H.K., Suresh H.N., Manvi S.K.	International Journal of Intelligent Engineering and Systems	2018	
Novel mechanism of classifying the brain tumor for identifying its critical state	Murthy T.S.D., Sadashivappa G., Shankar D.R.	International Journal of Advanced Computer Science and Applications	2018	
Feature extraction from segmented lung images and feature selection through soft set based approach	Rangaswamy C., Raju G.T., Seshikala G.	Journal of Computational and Theoretical Nanoscience	2018	
Diversity and inclusion management: A focus on employee engagement	Itam U., Bagali M.M.	Gender and Diversity: Concepts, Methodologies, Tools, and Applications	2018	
Investigation of machinability characteristics on C45 steel with cryogenically treated HSS tool for cutting force and temperature using statistical technique	Madival S., Ahmed M.R., Marulaiah L., Halappa M.L.	International Journal of Modern Manufacturing Technologies	2018	
Development of Laser Heat Treatment HVOF Coating to Combat Oxidation on Gas Turbines	Dharamendara M., Jegadeeswaran N.	Materials Today: Proceedings	2018	
A partition-based energy-efficient strategy for deadline-based data collection in wireless sensor networks	Babu R., Shenoy U.K.K., Patil K.K.	International Journal of Sensors, Wireless Communications and Control	2018	
Solution combustion synthesis of ZrO ₂ :Tb ³⁺ nanophosphors viable for WLEDs	Ponkumar S., Janaki K., Prakashbabu D., B Ramalingam H., Munirathnam K., Hari Krishna R.	Materials Today: Proceedings	2018	
Therapeutic molecules for fumigating inflammatory tumor environment	Harikrishnan A., Veena V.	Current Signal Transduction Therapy	2018	
Novel approach for lung image segmentation through enhanced FPCM method	Rangaswamy C., Raju G.T., Seshikala G.	Journal of Advanced Research in Dynamical and Control Systems	2018	
Detection of macro and micro nodule using online region based-active contour model in histopathological liver cirrhosis	Guptha N.S., Patil K.K.	International Journal of Intelligent Engineering and Systems	2018	
Web personalization through probabilistic graphical model incorporated active feedback approach	Doddegowda B.J., Manvi S.S., Raju G.T.	Journal of Advanced Research in Dynamical and Control Systems	2018	
Influence of Mechanical & tribological Behaviour Of Al 2024 MMC Fabricated by Stir Casting Technique-A Review	Kumaraswamy H.S., Bharat V., Krishna Rao T.	Materials Today: Proceedings	2018	
Weather and crop prediction using modified self organizing map for Mysore region	Mohan P., Patil K.K.	International Journal of Intelligent Engineering and Systems	2018	
Energy aware hybrid multicast routing in mobile ad hoc networks: Zone-based approach	Walikar G.A., Biradar R.C.	International Journal of Mobile Network Design and Innovation	2018	
Resource prediction-based routing using agents in mobile ad hoc networks	Chaudhari S.S., Biradar R.C.	International Journal of Communication Networks and Distributed Systems	2018	

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An efficient fault tolerant and cost optimized power model for distributed power generation system	Raghavendra G., Ramachandra M.	Journal of Advanced Research in Dynamical and Control Systems	2018	
A miniaturized decagonal sierpinski UWB fractal antenna	Ali T., Subhash B.K., Biradar R.C.	Progress In Electromagnetics Research C	2018	
A goal programming approach to large scale thermal power generation units	Sridevi P., Harish Babu G.A., Uday Kumar K.N.	International Journal of Engineering Research and Technology	2018	
Allocation of human resources in a health care organization through goal programming	Praveen Kumar K.M., Harish Babu G.A., Uday Kumar K.N.	International Journal of Engineering Research and Technology	2018	
Capital budgeting decision through goal programming	Sandeep Kumar K., Harish Babu G.A., Uday Kumar K.N.	International Journal of Engineering Research and Technology	2018	
Identification of lung cancer related genes using enhanced Floyd warshall algorithm in a protein to protein interaction network	Patil A.K., Patil S.S., Manickam P.	International Journal of Intelligent Engineering and Systems	2018	
Real time estimation of SoC and SoH of batteries	Prasad K.S.V., Divakar B.P.	International Journal of Renewable Energy Research	2018	
Preprocessing of lung images with a novel image denoising technique for enhancing the quality and performance	Rangaswamy C., Raju G.T., Seshikala G.	Lecture Notes in Computational Vision and Biomechanics	2018	
A Study on Mechanical Properties of Silk Fiber Reinforced Epoxy Resin Bio-Composite with SiC As Filler Addition	Akash S., Avinash S., Ramachandra M.	Materials Today: Proceedings	2018	
Gamma radiation-assisted diffusion of Au nanoparticles in nanocavities of polycarbonate: Nano-structural and surface properties	Hareesh K., Sunitha D.V., Ramya P., Williams J.F., Samarin S., Dhole S.D., Sanjeev G.	Materials Research Express	2018	
Development and Application of FBBFBEM Solution for 3-D Complex- Shaped Domain	Anand S.N., Sreerama Reddy T.V., Madhu D., Rao T.K.	Materials Today: Proceedings	2018	
Effects of non-uniform temperature gradients on surface tension driven two component magnetoconvection in a porousfluid system	Nand M., Sumithra R.	ARPJ Journal of Engineering and Applied Sciences	2018	
Production of Polyhydroxyalkanoates (PHAs) using synthetic biology and metabolic engineering approaches	Vijay R., Tarika K.	Research Journal of Biotechnology	2018	
Automated diagnosis of tachycardia beats	Desai U., Nayak C.G., Seshikala G., Martis R.J., Fernandes S.L.	Smart Innovation, Systems and Technologies	2018	
A multiband antenna loaded with metamaterial and slots for GPS/WLAN/WiMAX applications	Ali T., Khaleeq M.M., Pathan S., Biradar R.C.	Microwave and Optical Technology Letters	2018	
Ruthenium ion containing N and S rich triazine based metallopolymer as a low overpotential acid stable electrocatalyst for hydrogen evolution	Udachyan I., Vishwanath R.S., Pradeepa Kumara C.S., Kandaiah S.	Journal of Catalysis	2018	
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Structural, optical and Mössbauer spectroscopic investigations on the environment of Fe in Fe-doped ZnO (Zn _{1-x} Fe _x O) ceramics synthesized by solution combustion method	Mahour L.N., Choudhary H.K., Kumar R., Anupama A.V., Sahoo B.	Ceramics International	2019	
Investigation on mechanical properties of hybrid graphene and beryl reinforced aluminum 7075 composites	Patil S., Haneef M., Manjunath L.H., Reddappa H.N.	IOP Conference Series: Materials Science and Engineering	2019	
Evolutionary Computing Assisted Heterogenous Ensemble Model for Web-of-Service Software Reusability Prediction	Parande P.V., Banga M.K.	4th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques, ICECCOT 2019	2019	
Geometric calibration of a time-of-flight depth sensor and a colour camera pair	Cholachgudda K.E., Biradar R.C., Lokanath M.	Proceedings of the 11th International Conference on Advanced Computing, ICoAC 2019	2019	
A Study on Digital Image Forgery Techniques and its Detection	Chaitra B., Bhaskar Reddy P.V.	Proceedings of the 4th International Conference on Contemporary Computing and Informatics, IC3I 2019	2019	
Key Technologies and challenges in IoT Edge Computing	Naveen S., Kounte M.R.	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019	
On Road Intelligent Vehicle Path Predication and Clustering using Machine Learning Approach	Kamble S.J., Kounte M.R.	Proceedings of the 3rd International Conference on I-SMAC IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2019	2019	
Template-free hydrothermal synthesis of hexa ferrite nanoparticles and its adsorption capability for different organic dyes: Comparative adsorption studies, isotherms and kinetic studies	Jinendra U., Bilehal D., Nagabhushana B.M., Reddy K.R., Reddy C.V., Raghu A.V.	Materials Science for Energy Technologies	2019	
Study on mechanical properties of concrete by using industrial waste	Jayachandra, Venkata Sai Nagendra C., Reddy A.B., Sanjith J.	International Journal of Scientific and Technology Research	2019	
Influence of partial curing on strength of concrete	Mishra R., Reshma T.V., Bhavya B.S., Sankalpasri S.S., Naik P.R.	International Journal of Scientific and Technology Research	2019	
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A comparative analysis of non-performing assets (Npas) of public and private sector banks in india-an endless battle	Harani B., Mutyala S.	International Journal of Scientific and Technology Research	2019	
Finite-time synchronization of Markovian jumping complex dynamical networks and hybrid couplings	Anand K.S., Harish Babu G.A., Syed Ali M., Padmanabhan S.	Chinese Journal of Physics	2019	
Effects of viscous dissipation and convective boundary conditions on magnetohydrodynamics flow of casson liquid over a deformable porous channel	Neeraja A., Renuka Devi R.L.V., Devika B., Naga Radhika V., Krishna Murthy M.	Results in Engineering	2019	
EPS bound flavins driven mediated electron transfer in thermophilic Geobacillus sp.	Gurumurthy D.M., Bharagava R.N., Kumar A., Singh B., Ashfaq M., Saratale G.D., Mulla S.I.	Microbiological Research	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
How Can Leaders Make Their Followers to Commit to the Organization? The Importance of Influence Tactics	Chaturvedi S., Rizvi I.A., Pasipanodya E.T.	Global Business Review	2019	
Introgression of Root and Water Use Efficiency Traits Enhances Water Productivity: An Evidence for Physiological Breeding in Rice (<i>Oryza sativa</i> L.)	Dharmappa P.M., Doddaraju P., Malagondanahalli M.V., Rangappa R.B., Mallikarjuna N.M., Rajendrareddy S.H., Ramanjinappa R., Mavinahalli R.P., Prasad T.G., Udayakumar M., Sheshshayee S.M.	Rice	2019	
Analysis of diabetes mellitus for early prediction using optimal features selection	Sneha N., Gangil T.	Journal of Big Data	2019	
Novel Co and Ni metal nanostructures as efficient photocatalysts for photodegradation of organic dyes	Srinivas M., Ch Venkata R., Kakarla R.R., Shetti N.P., Reddy M.S., Anjanapura V.R.	Materials Research Express	2019	
Experimental investigations of a low heat rejection (LHR) engine powered with Mahua oil methyl ester (MOME) with exhaust gas recirculation (EGR)	Kulkarni P.S., Sharanappa G., Ramesh M.R., Banapurmath N.R., Khandal S.V.	Biofuels	2019	
A compact multiband band slot antenna for wireless applications	Khan I., Ali T., Devanagavi G.D., Sudhindra K.R., Biradar R.C.	Internet Technology Letters	2019	
A comparative pedagogical approach in vernacular architecture: Theoretical method vs PBL method	Srikanth V., Swamy V., Shinde V.V.	Journal of Engineering Education Transformations	2019	
Recognition of Kannada Characters in Scene Images using Neural Networks	Siddiqua S., Naveena C., Manvi S.S.	Proceedings of the IEEE International Conference Image Information Processing	2019	
An Overview of Traditional and Recent Trends in Video Processing	Joy H.K., Kounte M.R.	Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019	2019	
A Novel Circularly Polarized Multiple Elliptical Printed Monopole Antenna	Niveditha E., Chaitra H., Afrose K., Thomas S.	Proceedings of the 2nd International Conference on Smart Systems and Inventive Technology, ICSSIT 2019	2019	
Impact of corporate governance disclosure practices on financial performance of selected sectors	Subramanyam M., Shalini B.	International Journal of Scientific and Technology Research	2019	
Behaviour of ground granulated blast furnace slag concrete in marine environment under chloride attack	Bhat A.V., Tengli S.K.	International Journal of Innovative Technology and Exploring Engineering	2019	
Enhanced and efficient memory model for hadoop mapreduce	Bhaskar A., Ranjan R.	International Journal of Innovative Technology and Exploring Engineering	2019	
Grade card method of ground water health evaluation of mustoor sub-watershed chikballapur taluk Karnataka	Reddy A., Reddy Y.R.	International Journal of Innovative Technology and Exploring Engineering	2019	
Compressive strength of bacterial concrete by varying concentrations of e.Coli and JC3 bacteria for self-healing concrete	Akki R.V., Sunil S.K., Jitendra S., Dhananjay M.	International Journal of Innovative Technology and Exploring Engineering	2019	
Energy efficient clustering using MMHC (Modified multi-hop clustering)	Vimala M., Ranjan R.	International Journal of Innovative Technology and Exploring Engineering	2019	
Effect of beryl addition on mechanical properties of al7075 using a stir casting technique	Patil S., Haneef M.	International Journal of Innovative Technology and Exploring Engineering	2019	

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Real time monitoring of critical equipments in smart grids using WSN	Pavana H., Deshpande R.	International Journal of Scientific and Technology Research	2019	
Fuzzy-based cluster head selection and cluster formation in wireless sensor networks	Shivappa N., Manvi S.S.	IET Networks	2019	
Deterministic and stochastic processes driving the shift in the prokaryotic community composition in wastewater treatment plants of a coastal Chinese city	Hou L., Mulla S.I., Nino-Garcia J.P., Ning D., Rashid A., Hu A., Yu C.-P.	Applied Microbiology and Biotechnology	2019	
Tunable emission and energy-transfer mechanism of single-phase Na ₃ Y(PO ₄) ₂ :Ce ³⁺ , Mn ²⁺ +phosphors for white LEDs	Vishwanath R., Munirathnam K., Vijaya R., Nagajyothi P.C.	Journal of Luminescence	2019	
A robust pre-coding and hybrid equalization assisted MIMO-MU visible light communication system for QoS centric indoor communication	Ali T., Balani W.	Telecommunication Systems	2019	
Dual split-three segment capacitor array Design Based Successive approximation ADC for Io-T ecosystem	Savitha M., Reddy R.V.S.	Integration	2019	
A review of the open-access scenario in Afghanistan	Dandawate V.S., Dhanamjaya M.	Library Hi Tech	2019	
Influence of 120 MeV Si ⁹⁺ ion irradiation on ZnTe semiconductor thin films	Pattar J., PrakashBabu D., Balakrishna K.M., Mahesh H.M.	Radiation Effects and Defects in Solids	2019	
Effects of multiple slip conditions on hydromagnetic flow of Jeffrey fluid over a deformable porous channel	Krishna Murthy M., Renuka Devi R.L.V., Swapna Y., Rachana C.	SN Applied Sciences	2019	
Impact of Lorentz force on free convection flow of a viscous fluid past an infinite vertical plate	Sravan Kumar T.	SN Applied Sciences	2019	
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Consensus pattern selection from structured profile using multiobjective algorithm	Ali A., Hulipalled V.R., Patil S.S., Adbulkader R.	International Journal of Advanced Science and Technology	2019	
Microstructure, tensile properties and hardness behavior of AL7075 matrix composites reinforced with graphene nanoplatelets and beryl fabricated by stir casting method	Patil S., Haneef M.	International Journal of Engineering and Advanced Technology	2019	
Groebner basis and its applications	Singh Y.S., Lairenjam B.	International Journal of Engineering and Advanced Technology	2019	
Improved Cohesive Energy of Metallic Nanoparticles by Using L-J Potential with Structural Effect	Nayak P., Naik S.R., Sar D.K.	Iranian Journal of Science and Technology, Transaction A: Science	2019	
Flexural performance of self consolidating, self cured concrete beams-incorporating Sap	Sanjay Raj A., Annadini S.B.	International Journal of Innovative Technology and Exploring Engineering	2019	
A study on recent trends in Hrm with special reference to work life balance	Swetha M.	International Journal of Scientific and Technology Research	2019	
Thermal imaging techniques in agricultural applications	Aryalekshmi B.N., Biradar R.C., Mohammed Ahamed J.	International Journal of Innovative Technology and Exploring Engineering	2019	

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Physical and biochemical assessment of sugarcane bagasse (<i>Saccharum officinarum</i>)	Chandra I., Ramesh N., Upadhyay A.	International Journal of Innovative Technology and Exploring Engineering	2019	
The impact of the thickness of the porous material on the parallel plate channel flow of ree-eyring fluid when the walls are provided with non-erodible porous lining	Renuka Devi R.L.V., Ebenezer D., Naga Radhika V., Krishna Murthy M.	International Journal of Mechanical and Production Engineering Research and Development	2019	
Electron beam exposure- structural immunity and color tuning in Al ₂ O ₃ -ZrO ₂ :Dy ³⁺ binary matrix prepared by a hybrid approach	Ponkumar S., Janaki K., PrakashBabu D., Hari Krishna R.	Journal of Luminescence	2019	
Optimized memory model for hadoop map reduce framework	Bhaskar A., Ranjan R.	International Journal of Electrical and Computer Engineering	2019	
Fuzzy and PSO Based Clustering Scheme in Underwater Acoustic Sensor Networks Using Energy and Distance Parameters	Krishnaswamy V., Manvi S.S.	Wireless Personal Communications	2019	
The rhenium(I)-diselenoether anticancer drug targets ROS, TGF- β 1, VEGF-A, and IGF-1 in an in vitro experimental model of triple-negative breast cancers	Collery P., Veena V., Harikrishnan A., Desmaele D.	Investigational New Drugs	2019	
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Solution combustion synthesis of SrMoO ₄ nanophosphor using different molybdenum sources and study of its photocatalytic properties	Kusuma M., Jagannath K.V.	Materials Research Express	2019	
Hash Based Integrity Verification for Vehicular Cloud Environment	Hegde N., Manvi S.	Proceedings - 2019 8th IEEE International Conference on Cloud Computing in Emerging Markets, CCEM 2019	2019	
A deep learning based driver classification and trust computation in VANETs	Tangade S., Manvi S.S., Hassan S.	IEEE Vehicular Technology Conference	2019	
Testbeds and simulation tools for SIIoT strategies to shorten time-to-market for SIIoT solutions	Venkateswara Raju K., Bharamagoudr M.R.	International Journal of Recent Technology and Engineering	2019	
Research on IEEE 754 standard single precision floating point multipliers designed using urdhva triyagbhyam sutra of vedic mathematics	Sai Venkatramana Prasada G.S., Seshikala G., Niranjana S.	International Journal of Recent Technology and Engineering	2019	
A characterization of CS-MRI reconstruction using PSO for random under sampling pattern	Shrividya G., Bharathi S.H.	International Journal of Recent Technology and Engineering	2019	
Video enhancement techniques employed over the decade for reliable communication	Padma Reddy A.M., Udaya Rani V., Barath S.R.	International Journal of Innovative Technology and Exploring Engineering	2019	
Research of high speed and energy efficient visual cryptography techniques	Arun V., Biradar R.C., Mahendra V.	International Journal of Innovative Technology and Exploring Engineering	2019	

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Robust sterilization resistant video authentication using pixel randomization and modified lsb steganography	Bhadra J., Murthy M.V., Banga M.K.	International Journal of Recent Technology and Engineering	2019	
Using heart rate to predict students' academic performance	Wong M.L., Senthil S., Robert L.	International Journal of Recent Technology and Engineering	2019	
Tribological behavior and hardness properties of heat treated Al 7075-beryl-graphene hybrid metal matrix composites	Patil S., Haneef M.	International Journal of Recent Technology and Engineering	2019	
Diabetes prediction using data mining classification techniques	Manjusree M., Sateesh Kumar K.A.	International Journal of Recent Technology and Engineering	2019	
An improved hybrid stacked classifier for multi label text categorization	Sree Lakshmi P., Kavitha	International Journal of Recent Technology and Engineering	2019	
Image restoration model using total variance, bilateral and wavelet denoising filter	Mohamed Abdul Kader Jailani N., Thirunavukkarasu V.	International Journal of Recent Technology and Engineering	2019	
An optimized and trained model of cooperative sensing for cognitive radio networks	Madan H.T., Basarkod P.I.	International Journal of Recent Technology and Engineering	2019	
Makespan map reduce architecture for efficient memory utilization	Bhaskar A., Ranjan R.	International Journal of Recent Technology and Engineering	2019	
Performance, combustion and emission characteristics of direct injection diesel engine fueled with castor oil methyl esters and ethanol blends equipped with 6 hole nozzle	Varun Kumar Reddy N., Sangashetty S.G., Banapurmath	International Journal of Recent Technology and Engineering	2019	
Software defect prediction mechanisms for quality enhancement	Amutha A., Arulkumar V., Francis Densil Raj V.	International Journal of Recent Technology and Engineering	2019	
Routing and scheduling issues in vehicular Ad-hoc networks	Kamble S.J., Kounte M.R.	International Journal of Recent Technology and Engineering	2019	
Passive copy-move tamper detection methods for digital images	Thirunavukkarasu V., Ranganathappa M., Sateeshkumar J.	International Journal of Recent Technology and Engineering	2019	
A robust blind image forensic-detection method based on fuzzy technique	Thirunavukkarasu V., Sateesh Kumar J.	International Journal of Recent Technology and Engineering	2019	
Water quality assessment of Hebbal lake in Bangalore city	Naik P.R., Sankalpasri S.S., Bhavya B.S., Reshma T.V.	International Journal of Innovative Technology and Exploring Engineering	2019	
Behavior of piles with raft foundation using safe software	Reshma T.V., Bhavya B.S., Mishra R., Sankalpasri S.S.	International Journal of Innovative Technology and Exploring Engineering	2019	
On-grid adaptive compressive sensing framework for underdetermined DOA estimation by employing singular value decomposition	Raghu K., Prameela Kumari N.	International Journal of Innovative Technology and Exploring Engineering	2019	
Voltage and frequency based optimal load shedding using improved self adaptive harmony search algorithm	Raghu C.N., Manjunatha A., Raghavendra G.	International Journal of Innovative Technology and Exploring Engineering	2019	
A smart dustbin using mobile application	Anilkumar C.S., Suhas G., Sushma S.	International Journal of Innovative Technology and Exploring Engineering	2019	

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One-step gamma radiation aided diffusion of Ag-Au alloy nanoparticles into polycarbonate and its application towards the reduction of 4-Nitrophenol	Hareesh K., Sunitha D.V., Dhole S.D., Boraskar V.N., Phase D.M., Williams J.	Radiation Physics and Chemistry	2019	
Disruption in HR through inclusive emotional culture: Key to sustainable growth in Indian businesses	Ghosh N.	Handbook of Research on Managerial Practices and Disruptive Innovation in Asia	2019	
Employee experience design: An innovation for sustainable human capital management practices	Ghosh N., Itam U.	Handbook of Research on Managerial Practices and Disruptive Innovation in Asia	2019	
γ -Fe ₂ O ₃ nanoparticles modified glassy carbon electrode for the sensitive detection of folic acid	Ramu J., Mahanthappa M., Yellappa S., Chandrasekhar K.B.	Materials Research Express	2019	
Machine learning based sensitivity analysis for the applications in the prediction and detection of cancer disease	Saxena S., Prasad S.N.	2019 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2019 - Proceedings	2019	
Duality properties for the variants of the Discrete W Transform (DWT)	Madhukar B.N., Bharathi S.H.	2019 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2019 - Proceedings	2019	
Comparative study of Narrowband and Wideband Opportunistic Spectrum Access Techniques	Anupama R., Kulkarni S.Y., Prasad S.N.	2019 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2019 - Proceedings	2019	
Similarity properties for the offshoots of the Generalized Discrete Hartley Transform (GDHT)	Madhukar B.N., Bharathi S.H.	2019 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2019 - Proceedings	2019	
Synthesis, characterization and study of cytotoxicity, antioxidant properties of isatin based mixed ligand complexes	Mohan M., Veena V., Ramakrishna Reddy K.	Research Journal of Pharmacy and Technology	2019	
Clustering and data aggregation scheme in underwater wireless acoustic sensor network	Krishnaswamy V., Manvi S.K.S.	Telkomnika (Telecommunication Computing Electronics and Control)	2019	
Performance research on variable data rate reconfigurable architecture for SDR receiver	Nataraj U.R.S., Venkatasiva Reddy R.	International Journal of Recent Technology and Engineering	2019	
Research on CS-MRI reconstruction with WHT as sparsifying transform	Shrividya G., Bharathi S.H.	International Journal of Engineering and Advanced Technology	2019	
Active mesh based motion compensation algorithm for video compression in wavelet sub bands	Vidyasagar K.N., Bharathi S.H., Vinay N.A.	International Journal of Engineering and Advanced Technology	2019	
Optimum usage of GGBS in ready Mix concrete industry	Raghavendra Y.B., Ramalinga Reddy Y.	International Journal of Engineering and Advanced Technology	2019	
Detection of prostate cancer related genes using modified ford-fulkerson algorithm in protein-to-protein interaction network	Kaulgud S.P., Hulipalled V., Patil S.S.	International Journal of Engineering and Advanced Technology	2019	
Dysfluency recognition by using spectral entropy features	Vinay N.A., Bharathi S.H.	International Journal of Engineering and Advanced Technology	2019	

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Normalization of behavioral features in autism spectrum disorder with influencing attributes	Vijayalakshmi K., Vinayakamurthy M., Anuradha	International Journal of Innovative Technology and Exploring Engineering	2019	
Performance evaluation of battery and super-capacitor for electric vehicle with hybrid techniques	Nagesh B.K., Lakshmikantha B.R.	International Journal of Innovative Technology and Exploring Engineering	2019	
Optimal classification of lung cancer related genes using enhanced reliefF algorithm and multiclass support vector machine	Patil A.K., Patil S.S., Prabhakar M.	International Journal of Innovative Technology and Exploring Engineering	2019	
DNA profiling and in vitro cytotoxicity studies of tetrazolo[1,5-a]pyrimidine-based copper(II) complexes	Haleel A.K., Rafi U.M., Mahendiran D., Mitu L., Veena V., Rahiman A.K.	BioMetals	2019	
Enhanced mosquitocidal efficacy of colloidal dispersion of pyrethroid nanometric emulsion with benignity towards non-target species	Mishra P., Dutta S., Haldar M., Dey P., Kumar D., Mukherjee A., Chandrasekaran N.	Ecotoxicology and Environmental Safety	2019	
Molecular Interaction of Hemorrhheologic Agent, Pentoxifylline with Bovine Serum Albumin: An Approach to Investigate the Drug Protein Interaction Using multispectroscopic, Voltammetry and Molecular Modelling Techniques	Mallappa M., Savanur M.A., Gowda B.G., Vishwanth R.S., Puthusseri B.	Zeitschrift fur Physikalische Chemie	2019	
Clustering-based approach for medical data classification	Kodabagi M.M., Tikotikar A.	Concurrency and Computation: Practice and Experience	2019	
Phase transformation and microstructure evolution study in various alloy systems: An insight	Jagadeesh Babu S.M., Kataraki P.S., Narayanaswamy K.S.	IOP Conference Series: Materials Science and Engineering	2019	
Development of foam porous media to undergo surface and submerged flame during premixed combustion	Janvekar A.A., Abdullah M.Z., Ahmad Z.A., Abas A., Kataraki P.S., Ismail A.K., Akhtar M.N., Ishak H.H., Mohamed M.	IOP Conference Series: Materials Science and Engineering	2019	
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Precision Agriculture using Data Mining Techniques and IOT	Sneha N., Sushma K.V., Muzumdar S.S.	1st IEEE International Conference on Advances in Information Technology, ICAIT 2019 - Proceedings	2019	
Alignment of protein interaction networks and disease prediction: A survey	Ali A., Hulipalled V.R., Patil S.S., Abdulkader R.	International Journal of Advanced Trends in Computer Science and Engineering	2019	
Stability and dynamic response of analog and digital control loops of bidirectional buck-boost converter for renewable energy applications	Viswanatha V., Venkata Siva Reddy R., Rajeswari	International Journal of Recent Technology and Engineering	2019	
Micro structural and mechanical properties of agave Americana L. Fiber and silk hybrid fiber composite material	Mansoor P., Sandeep Kumar B.W., Afsar Hussain G.	International Journal of Recent Technology and Engineering	2019	
Web-of-service software reusability prediction using heterogenous ensemble classifier	Parande P.V., Banga M.K.	International Journal of Innovative Technology and Exploring Engineering	2019	

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Women street vendors, challenges and opportunities: An superlative analysis with special reference to chittoor District of Andhra Pradesh, India	Prasad R.V., Subhashini D.	International Journal of Innovative Technology and Exploring Engineering	2019	
Augmentation of classifier accuracy through implication of feature selection for breast cancer prediction	Deepa B.G., Senthil S., Gupta Rahil M., Shah Vishakha R.	International Journal of Recent Technology and Engineering	2019	
Automatic railway level crossing system with embedded precision solar panel using IoT	Francis Densil Raj V., Arul Kumar V., Dalvin Vinoth Kumar A.	International Journal of Recent Technology and Engineering	2019	
Prevalence of type-II diabetics association with PM 2.5 and PM 10 in central region of Tamil Nadu, India	Arockiam L., Sathyapriya S., Jane V.A., Dalvin Vinoth Kumar A.	International Journal of Recent Technology and Engineering	2019	
Geographic analytics and visualization for decision making: An application for online food delivery platform	George K., Sreejith R., Senthil S.	International Journal of Recent Technology and Engineering	2019	
Prevalence of diabetes mellitus in tiruchirappalli district using machine learning	Arockiam L., Sathyapriya S., Jane V.A., Dalvin Vinoth Kumar A.	International Journal of Recent Technology and Engineering	2019	
SDN based data offloading and load balancing techniques for applications in 5G	Shilpa V., Ranjan R.	International Journal of Recent Technology and Engineering	2019	
Cloud computing model for agricultural applications	Vimala M., Ranjan R.	International Journal of Recent Technology and Engineering	2019	
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Social media data analytics to improve the customer services: The case of fast-food companies	Rose S., Sreejith R., Senthil S.	International Journal of Recent Technology and Engineering	2019	
Optimal biclustering using hybrid swarm intelligence for web usage mining	Kavitha	International Journal of Recent Technology and Engineering	2019	
Detection and prevention of dos attacks in vanet with rsu's cooperative message temporal signature	Kabbur M., Arul Kumar V.	International Journal of Recent Technology and Engineering	2019	
Optimization of machine learning techniques on autism spectrum disorder with swarm intelligence based feature selection	Vijayalakshmi K., Vinayakamurthy M., Anuradha V.	International Journal of Recent Technology and Engineering	2019	
Unified provisioning framework for dynamic virtual machine placement optimization in cloud data center	Shah D., Vinayakmurthi M., Kumar A.	International Journal of Recent Technology and Engineering	2019	
Yield forecasting for indian crops with ensemble model	Lokesh C.K., Senthil S.	International Journal of Recent Technology and Engineering	2019	
Design of high speed 32-bit floating point multiplier using Urdhva Triyagbhyam sutra of vedic mathematics	Sai Venkatramana Prasada G.S., Seshikala G., Niranjana S.	International Journal of Recent Technology and Engineering	2019	

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Erosion wear behavior of SiC nano powder filled flax and sisal fabric hybrid composites with taguchi experimental design	Kalagi G., Patil R.	International Journal of Recent Technology and Engineering	2019	
Isomorphic graphs based on isomorphic groups	Pathuri S., Kumari N.N.M.	AIP Conference Proceedings	2019	
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MoS ₂ -graphene-CuNi ₂ S ₄ nanocomposite an efficient electrocatalyst for the hydrogen evolution reaction	Adarakatti P.S., Mahanthappa M., Hughes J.P., Rowley-Neale S.J., Smith G.C., S A., Banks C.E.	International Journal of Hydrogen Energy	2019	
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Temperature and frequency dependence of complex impedance parameters of microwave sintered NiMg ferrites	Chandra Babu Naidu K., Suresh Kumar N., Ranjith Kumar G., Naresh Kumar S.	Journal of the Australian Ceramic Society	2019	
Comparative study on low energy ion beam modification of thermoplastic polymers	Raveesha P.M., Hareesh K., Dhole S.D., Asokan K., Sanjeev G.	Radiation Effects and Defects in Solids	2019	
Influence of ageing on kinetics and strain-hardening behaviour of duplex stainless steels	Vasanth S., Krishna H., Sonnappa D., Nithin H.S., Kataraki P.K.	Emerging Materials Research	2019	
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Hybrid deep network scheme for emotion recognition in speech	Angadi S., Reddy V.S.	International Journal of Intelligent Engineering and Systems	2019	
A penalty based self adaptive harmony search algorithm for optimal load shedding	Raghu C.N., Manjunatha A., Raghavendra G.	International Journal of Engineering and Advanced Technology	2019	
Vehicle detection in night time using background model in urban traffic environment	Pavan Kumar U., Bharathi S.H.	International Journal of Innovative Technology and Exploring Engineering	2019	
Optimized focused Web Crawler with Natural Language Processing based relevance measure in bioinformatics web sources	Mani Sekhar S.R., Siddesh G.M., Manvi S.S., Srinivasa K.G.	Cybernetics and Information Technologies	2019	
Ultrasound assisted fabrication of SrTiO ₃ nanopowders: Effect of electron beam induced structural and luminescence properties for solid state lightning and high temperature dosimetry applications	Yashodamma S., Darshan G.P., Basavaraj R.B., Udayabhanu, Nagabhushana H.	Optical Materials	2019	
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In-situ preparation of nanostructured α -MnO ₂ /polypyrrole hybrid composite electrode materials for high performance supercapacitor	Shivakumara S., Munichandraiah N.	Journal of Alloys and Compounds	2019	
Synchrotron X-ray radiation assisted synthesis of Ag/Polycarbonate and Au/Polycarbonate polymer matrix and its pollutant degradation application	Hareesh K., Sunitha D.V., Dhamgaye V.P., Dhole S.D., Bhoraskar V.N., Phase D.M.	Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms	2019	
Vanadium pentoxide nanorods in latent finger print detection	Navyashree G.R., Hareesh K., Nagabhushana H., Nagaraju G., Sunitha D.V.	Materials Research Express	2019	
Biodiesel synthesis from Garcinia gummi-gutta (L. Robson) seed oil: fuel feasibility evaluation of a novel feedstock by homogeneous and heterogeneous transesterification	Rajagopalachar S., Joshi S.S., Reddy R.P.	Biofuels	2019	
A Compact Square Shaped Multiband Antenna loaded with Rectangular and U-slots for UMTS, WiMAX, WLAN and X-band Applications	Bhat M.M., Subhash B.K., Rajashekhar C.B.	2019 4th IEEE International Conference on Recent Trends on Electronics, Information, Communication and Technology, RTEICT 2019 - Proceedings	2019	
Insights of mathematics for big data	Punith Kumar D.N., Pasha A.	International Journal of Engineering and Advanced Technology	2019	
News rank: Ranking news topics based on social media factors	Kulkarni M., Hulipalled V.R.	International Journal of Engineering and Advanced Technology	2019	
Comparative study of multiple machine learning algorithms for students' performance data for job placement in university	Athreya Shetty B., Pasha A., Amith Singh S., Shreyas N.I., Hande A.R.	International Journal of Engineering and Advanced Technology	2019	
Multiple machine learning classifiers for student's admission to university prediction	Anil B., Pasha A., Aman, Singh A.K., Singh A.K.	International Journal of Engineering and Advanced Technology	2019	
Password processing scheme using enhanced visual cryptography and OCR in hybrid cloud environment	Ranjith R., Supreeth S., Ramya R., Ganesh Prasad M., Chaitra Lakshmi L.	International Journal of Engineering and Advanced Technology	2019	
Adaptive k-nearest centroid neighbor classifier for detecting drifted twitter spam	Lalitha L.A., Hulipalled V.R.	International Journal of Engineering and Advanced Technology	2019	
An effective authentication scheme for videos using invisible watermark	Bhadra J., Vinayaka Murthy M., Banga M.K.	International Journal of Engineering and Advanced Technology	2019	
Detection of liver lesion using ROBUST machine learning technique	Sowmya Sundari L.K., Guptha N.S., Shruthi G., Thanuja K., Anitha K.	International Journal of Engineering and Advanced Technology	2019	
Tracking suicidal tendency using twitter data and machine learning algorithms	Daiphule L., Reddy B., Savith A., Apoorva T.V., Kavyashree	International Journal of Engineering and Advanced Technology	2019	
Intelligent traffic management system	Kishen V., Sathvik Murthy M.S., Kumar M., Koul N.	International Journal of Engineering and Advanced Technology	2019	
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Efficient face recognition system for identifying lost people	Balar B.D., Kavya D.S., Chandana M., Anush E., Hulipalled V.R.	International Journal of Engineering and Advanced Technology	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Machine learning based flower recognition system	Tiwari U., Singh R.K., Wargia R.V., Vikashrao P.U.	International Journal of Engineering and Advanced Technology	2019	
Accuracy of classification algorithms for diabetes prediction	Subhash A.R., Ashwin Kumar U.M.	International Journal of Engineering and Advanced Technology	2019	
Machine learning methods for heart disease prediction	Rashmi G.O., Ashwin Kumar U.M.	International Journal of Engineering and Advanced Technology	2019	
Workspace allocation and management system with realtime feedback from IOT sensors	Nevara J., Mirji J.	International Journal of Engineering and Advanced Technology	2019	
Optimizing random forest to detect disease in apple leaf	Kamalalochana S., Guptha N.	International Journal of Engineering and Advanced Technology	2019	
IoT based smart card pollution and traffic control system	Saha D., Azam F., Kumar B., Abedin F., Jose D.	International Journal of Engineering and Advanced Technology	2019	
Traffic management using convolution neural network	Dhingra G., Supreeth S., Neha K.R., Amruthashree R.V., Eshitha D.	International Journal of Engineering and Advanced Technology	2019	
Inference of gene regulatory networks for prostate cancer using Bayesian networks with feedback and feed forward loops	Koul N., Manvi S.K.S.	International Journal of Engineering and Advanced Technology	2019	
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Smart traffic analysis using machine learning	Aditya Krishna K.V.S., Abhishek K., Swaraj A., Patil S.D., Shyam G.K.	International Journal of Engineering and Advanced Technology	2019	
Stock price prediction using KNN and linear regression	Poornima S.P., Priyanka C.N., Reshma P., Jaiswal S.K., Surendra Babu K.N.	International Journal of Engineering and Advanced Technology	2019	
Automatic noise detection and reduction in images	Manjunath P.C., Dhanush S., Uday Teja G., Srinidhi G., Madhu Babu N.	International Journal of Engineering and Advanced Technology	2019	
Efficient conversational AI agent to improve rural and urban healthcare	Nischita N.J., Mylara Reddy C.	International Journal of Engineering and Advanced Technology	2019	
Crime detection in surveillance videos	Ashok Kumar J.M., Arun Kumar C., Abishek B.R., Thirumagal E.	International Journal of Engineering and Advanced Technology	2019	
NLP models behind RASA stack	Shenoy A., Sushma Ravindra Y., Sharma A., Rajan A., Gv A.	International Journal of Engineering and Advanced Technology	2019	
Android application on plant disease identification using tensorflow	Gowda N.C., Kumar S., Majumbdar S., Abhishek K.N., Sarode P.	International Journal of Engineering and Advanced Technology	2019	
Robotic ARM using computer vision	Sandeep M., Shivgonda L., Rajeswari M., Kaushik S., Tengli N.	International Journal of Engineering and Advanced Technology	2019	
Face recognition system based on LBPH algorithm	Singh A.P., Manvi S.S., Nimbale P., Shyam G.K.	International Journal of Engineering and Advanced Technology	2019	
Face recognition based attendance management system using DLIB	Chaitanya Krishna V.B., Bhaskar Reddy P.V., Chethan Kumar A., Ahmed S., Sampath M.	International Journal of Engineering and Advanced Technology	2019	

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Image steganography technique based on canny edge detection and hamming code for medical data	Sheelavathy, Hamsavani R., Disha J., Bhavana C., Rathod B.	International Journal of Engineering and Advanced Technology	2019	
Wide area disaster management system using mobile intranet	Anitha K., Khadri T., Prurvimuth T., Venkatesh T.D., Nesarikar Y.	International Journal of Engineering and Advanced Technology	2019	
Placemento – An android based project for the automation of placement and training department	Srivastava A., Malik A., Bhatt A., Kumari A., Manju More E.	International Journal of Engineering and Advanced Technology	2019	
Real time person detection and classification using YOLO	Tejas Rao C., Zainuddin M., Patil S.M., Shashank G., Koul N.	International Journal of Engineering and Advanced Technology	2019	
Emotion recognition using open CV	Aditya P.S.R.V., Dinesh Sai P., Varati P., Singh R.R., Ranjitha U.N.	International Journal of Engineering and Advanced Technology	2019	
Machine learning based leaf disease detection	Sowmya Sundari L.K., Rayapuram H., Keerthana M., Kusuma Rathna M., Shalini A.	International Journal of Engineering and Advanced Technology	2019	
Data recovery from encrypted image and recovering image	Naik S.K.R., Yadav K., Yadav H., Gowda N.C., Mounika	International Journal of Engineering and Advanced Technology	2019	
Smart traffic light	Yadav H., Irranna G.G., Nimallesh J., Kiran Kumar B., Archana B.	International Journal of Engineering and Advanced Technology	2019	
Development of image annotation tool by using region grow algorithm	Arun Kumar E., Malage G.M., Manvi S.S., Patil K.K.	International Journal of Engineering and Advanced Technology	2019	
Classification of mammograms using attention learning for localization of malignancy	Nagaraj M., Prabhakar V., Thota S.	International Journal of Engineering and Advanced Technology	2019	
Smart blind stick using artificial intelligence	Pruthvi S., Nihal P.S., Menon R.R., Samith Kumar S., Tiwari S.	International Journal of Engineering and Advanced Technology	2019	
An approach to face detection and recognition using viola jones	Malge A., Dhaduk H.M., Mallikarjuna Shastry P.M.	International Journal of Engineering and Advanced Technology	2019	
BMTC e-pass application	Guna Shekar B., Darshan C., Ganesh Horamata B.V., Mulimani B., Sarvamangala D.R.	International Journal of Engineering and Advanced Technology	2019	
Fatigue detection system based on eye blinks of drivers	Aravind A., Agarwal A., Jaiswal A., Panjiyara A., Mallikarjun Shastry P.M.	International Journal of Engineering and Advanced Technology	2019	
Design and implementation of 12 pulse AC to DC converter in aircraft for aerospace applications	Harshitha G.B., Oommen S.	International Journal of Recent Technology and Engineering	2019	
GC-ZRP: Cross-layer architecture based geographical network condition aware zone routing protocol for MANET	Suhaas K.P., Senthil S.	International Journal of Recent Technology and Engineering	2019	
A 14-bit dual-split capacitor array DAC design based successive approximation ADC	Savitha M.R., Siva Reddy V.	International Journal of Recent Technology and Engineering	2019	
Enhanced cooperative MIMO based routing protocol for QoS enriched and energy efficient transmission over WSNs	Reddy K.C., Devanagavi G.D., Thippeswamy M.N.	International Journal of Innovative Technology and Exploring Engineering	2019	

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A compact dual band BENZ logo antenna with staircase structured ground for millimetre wave (MMW) applications	Subhash B.K., Angulakshmi A., Abhishek K., Kumar O.P., Ali T.	International Journal of Innovative Technology and Exploring Engineering	2019	
27 Al MAS NMR investigations on Al 23 Te 77 glass: Observation of 5- coordinated Al and its influence on electrical switching	Wilson P.T., Chahal S., Pumliahmunga, Madesh Kumar M., Ramesh K.	Solid State Communications	2019	
Enhanced photocatalytic degradation of methylene blue dye using CuS–CdS nanocomposite under visible light irradiation	Mahanthappa M., Kottam N., Yellappa S.	Applied Surface Science	2019	
An evidence of pseudo-elasticity in a caliber rolled Ti–6Al–4V alloy and its effect on tension-compression flow asymmetry	Babu S.M.J., Murty S.V.S.N., Prabhu N., Kashyap B.P.	Materials Science and Engineering A	2019	
Mathematical model and heuristic based subtask scheduling algorithm for order scheduling	Suma T., Murugesan R.	AIP Conference Proceedings	2019	
Microstrip patch slot antenna design for WiMAX and WLAN applications	Prahlad, Kandakarla R.A., Prasanna M., Jugale A.A., Ahmed M.R.	Proceedings of the International Conference on Trends in Electronics and Informatics, ICOEI 2019	2019	
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Memristor based chaotic circuit design for secure communication	Jugale A.A., Bhoomika C.M., Anjanakumari B.T., Ahmed M.R.	Proceedings of the International Conference on Trends in Electronics and Informatics, ICOEI 2019	2019	
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Impact of attention deficit disorder on academic performance of children	Santosh B.R., Rachana N.	Indian Journal of Public Health Research and Development	2019	
Influence of Zn ²⁺ doping on the lattice defects and photoluminescence studies of Sr ₂ CeO ₄ :Eu ³⁺ nanophosphor: Applications for data encryption strategies	Sudheendra H.S., Darshan G.P., Basavaraj R.B., Naik Y.V., Premakumar H.B., Nagabhushana H., Williams J.F., Hareesh K., Kokila M.K.	Optical Materials	2019	

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Enhancement of data transmission using optimized multi-cell approach in 5G backhaul wireless mesh network	Benni N.S., Manvi S.S.	Indonesian Journal of Electrical Engineering and Computer Science	2019	
Monovalent ions co-doped SrTiO ₃ :Pr ³⁺ nanostructures for the visualization of latent fingerprints and can be red component for solid state devices	Yeshodamma S., Sunitha D.V., Basavaraj R.B., Darshan G.P., Prasad B.D., Nagabhushana H.	Journal of Luminescence	2019	
Performance Analysis of 64×64 bit Multiplier Designed Using Urdhva Tiryakbyham and Nikhilam Navatashcaramam Dashatah Sutras	Sai Venkatramana Prasada G.S., Seshikala G., Sampathila N.	2018 IEEE Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2018 - Proceedings	2019	
Potential dependent growth of Cu(OH) ₂ nanostructures on Cu and their thermal conversion to mixed-valent copper oxides p-type photoelectrode	Udachyan I., Vishwanath R.S., Pradeepa Kumara C.S., Kandaiah S.	International Journal of Hydrogen Energy	2019	
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Hierarchical Clustering and Regression Classification based Review analysis on Movie based Applications	Manjunath D.R., Hadimani B.S.	1st International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering, ICATIECE 2019	2019	
Design of Low Transconductance Voltage to Current Converter in CMOS	Rodrigues S.N., Sushma P.S., Kulkarni S.Y.	1st International Conference on Advanced Technologies in Intelligent Control, Environment, Computing and Communication Engineering, ICATIECE 2019	2019	
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Design and Analysis of Digital Feedback Loop AGC for WiMAX 802.16m Receivers	Bharath H.P., Basarkod P.I., Doni A., Reddy A.K.	2019 International Conference on Data Science and Communication, IconDSC 2019	2019	
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Restoration of characters in degraded inscriptions using phase based binarization and geodesic morphology	Bhat S., Seshikala G.	International Journal of Recent Technology and Engineering	2019	

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Study of Maxwell nanofluid flow over a stretching sheet with non-uniform heat source/sink with external magnetic field	Jakati S.V., Raju B.T., Nargund A.L., Sathyanarayana S.B.	Journal of Advanced Research in Fluid Mechanics and Thermal Sciences	2019	
The TiO ₂ -graphene oxide-Hemin ternary hybrid composite material as an efficient heterogeneous catalyst for the degradation of organic contaminants	Munikrishnappa C., Kumar S., Shivakumara S., Mohan Rao G., Munichandraiah N.	Journal of Science: Advanced Materials and Devices	2019	
An efficient human tracking system using Haar-like and hog feature extraction	Prasanna D., Prabhakar M.	Cluster Computing	2019	
Propagation of risk across the phases of software development	Bhujang R.K., Dean S.V.	Proceedings of the International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2018	2019	
Modular multilevel converters technology: A comprehensive study on its topologies, modelling, control and applications	Raju M.N., Sreedevi J., Mandi R.P., Meera K.S.	IET Power Electronics	2019	
Design techniques for low power high gain OTA using miller circuit	Rodrigues S.N., Sushma P.S., Kulkarni S.Y.	Proceedings of the International Conference on Intelligent Sustainable Systems, ICISS 2019	2019	
MFZKAP: Multi factor zero knowledge proof authentication for secure service in vehicular cloud computing	Hegde N., Manvi S.S.	2019 2nd International Conference on Advanced Computational and Communication Paradigms, ICACCP 2019	2019	
A Scheme for Feature Selection from Gene Expression Data using Recursive Feature Elimination with Cross Validation and Unsupervised Deep Belief Network Classifier	Koul N., Manvi S.S.	2019 Proceedings of the 3rd International Conference on Computing and Communications Technologies, ICCCT 2019	2019	
Design, implementation and verification of image compression in high speed dwt algorithm for vlsi applications	Deepa M.K., Naik A.S., Priyadarshini R.	International Journal of Engineering and Advanced Technology	2019	
A study on rtv coating: Ageing and reduction of coating length on insulator	Rajini H., Ravi K.N., Vasudev N.	Proceedings of 2019 International Conference on High Voltage Engineering and Technology, ICHVET 2019	2019	
Balanced double layered bipolar fuzzy graph	Rajeshwari M., Murugesan R., Venkatesh K.A.	International Journal of Mechanical Engineering and Technology	2019	
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One-step bacterial assisted synthesis of CdS/rGO nanocomposite as Hydrogen production catalyst	Hareesh K., Dhole S.D., Phase D.M., Williams J.F.	Materials Research Bulletin	2019	
Facile synthesis of CoFe ₂ O ₄ nanoparticles and application in removal of malachite green dye	Jinendra U., Kumar J., Nagabushana B.M., Raghu A.V., Bilehal D.	Green Materials	2019	
Investigating HVAC thermal comfort and energy efficiency in commercial buildings	Kotisuryam M., Sharanappa G.	International Journal of Mechanical and Production Engineering Research and Development	2019	

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A Comparative Study of Bio-inspired Algorithms for Medical Image Registration	Sarvamangala D.R., Kulkarni R.V.	Studies in Computational Intelligence	2019	
Cluster based Routing Protocols for IOT Application	George A.M., Kulkarni S.Y.	International Journal of Computer Network and Information Security	2019	
Dry sliding wear behaviour of Al-5Zn-2Mg alloy processed by severe plastic deformation	Manjunath G.K., Udaya Bhat K., Preetham Kumar G.V.	Materials Today: Proceedings	2019	
An experiment investigation on physical and mechanical properties of high strength concrete with suitable admixture	Gayana B.C., Shashanka M., Rao A.N., Ram Chandar K.	Materials Science Forum	2019	
Investigation of machinability characteristics on C45 steel with cryogenically treated M2 HSS tool using statistical technique	Kumar S., Ahmed M.R., Lokesh M., Manjunath L.H.	International Journal for Simulation and Multidisciplinary Design Optimization	2019	
Monitoring and recommendations of public transport using GPS data	Gopinath R., Shyam G.K.	Lecture Notes on Data Engineering and Communications Technologies	2019	
Market data analysis by using support vector machine learning technique	Reddy R., Shyam G.K.	Lecture Notes on Data Engineering and Communications Technologies	2019	
Physico-mechanical properties of concrete with industrial waste-A case study	Gayana B.C., Shashanka M., Rao A.N., Ram Chandar K.	World Congress on Civil, Structural, and Environmental Engineering	2019	
Applying Attribute Selection Algorithms in Academic Performance Prediction	Wong M.L., Senthil S.	Lecture Notes on Data Engineering and Communications Technologies	2019	
Image Processing Architecture Using DTCWT Modified Distributed Algorithm for Plant Phenotyping	Yashavantha Kumar T.R., Pinjare S.L., Cyril Prasanna Raj P.	Lecture Notes on Data Engineering and Communications Technologies	2019	
CI-MWSNs: Cross layer model-based QoS centric routing protocol for mission-critical cooperative communication in mobile WSNs	Reddy K.C., Devanagavi G.D., Thippeswamy M.N.	Journal of Telecommunications and Information Technology	2019	
Free vibration characteristics of alkali treated unidirectional long kenaf fiber reinforced epoxy composites at various end conditions	Venkategowda T., Lh M.	International Journal of Mechanical and Production Engineering Research and Development	2019	
Forecasting time series of stock rates using ARIMA	Mohankumari C., Vishukumar M., Chillale N.R.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Energy-aware multi-path transmission of ECG signals for the classification of arrhythmia in wireless sensor network	Bhagyalakshmi V., Pujeri R.V., Devanagavi G.D.	International Journal of Nano and Biomaterials	2019	
A Robust Face Emotion Recognition Approach through Optimized SIFT Features and Adaptive Deep Belief Neural Network	Jayasimha Y., Siva Reddy R.V.	Journal of Applied Security Research	2019	
Comparative study on performance of cement mortar enhanced with carrot powder	Jayachandra, Sanjith J., Kiran B.M., Chethan G.	International Journal of Advanced Research in Engineering and Technology	2019	
Reliable hybrid multicast routing in mobile ad hoc networks: Reinforcement learning-based approach	Walikar G.A., Biradar R.C.	Ad-Hoc and Sensor Wireless Networks	2019	

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Zeta converter simulation for continuous current mode operation	Oommen S., Ballaji A., Ankaiah B., Ananda M.H.	International Journal of Advanced Research in Engineering and Technology	2019	
Wavelets based signal processor for naval surveillance radars	Muralidhara N., Biradar R.C., Jayaramaiah G.V.	International Journal of Engineering Research and Technology	2019	
Array-impulse-pair selection assisted STAP model for efficient clutter suppression and jamming resilience in moving sea-target detection	Rajesh B., Udayarani V., Jayaramaiah G.V.	International Journal of Engineering Research and Technology	2019	
Modelling and optimisation of adhesive bonded joint strength of composites for aerospace applications	Hanumantharaya R., Sogalad I., Basavarajappa S., Manjunath Patel G.C.	International Journal of Computational Materials Science and Surface Engineering	2019	
Survey of security approaches in internet of things solution architectures for communication layer	Kalyani G., Chaudhari S.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Polymer/layered silicate nanocomposites as matrix for bioinsecticide formulations	Mishra P., Seenivasan R., Mukherjee A., Chandrasekaran N.	Nano-Biopesticides Today and Future Perspectives	2019	
Corrigendum: "Evaluation of sperm DNA fragmentation using multiple methods: A comparison of their predictive power for male infertility" [Clin Exp Reprod Med, 46, 1 (2019) (14-21)] DOI:10.5653/cepm.2019.46.1.14	Javed A., Talkad M.S., Ramaiah M.K.	Clinical and Experimental Reproductive Medicine	2019	
Systematic-RLNC based secure and QoS centric routing scheme for WSNs	Notom A., Mrinal S., Parag P.	Journal of Telecommunications and Information Technology	2019	
Design Techniques of Super-Wideband Antenna-Existing and Future Prospective	Balani W., Sarvagya M., Ali T., Manohara Pai M.M., Anguera J., Andujar A., Das S.	IEEE Access	2019	
Remote triggered lab for buck converter using lab view	Ansal V., Anum, Remya V.K., Shenoy A., Sampath, Anirudh Kamath M., Sanath, Kini M.	Journal of Critical Reviews	2019	
Experimental determination of viscosity of Water-Glycerine based Cu nano-fluids	Chaitanya Lahari M.L.R., Sessa Talpa Sai P.H.V., Narayanaswamy K.S., HaseenaBee P., Devaraj S., Sharma K.V.	Materials Today: Proceedings	2019	
Fuzzy controller based grid integration of hybrid solar photovoltaic and DFIG wind energy system to improve power quality	Shenoy K.L., Nayak C.G., Mandi R.P.	Applied Mathematics and Information Sciences	2019	
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Effects of non-uniform temperature gradients on triple diffusive surface tension driven magneto convection in a composite layer	Manjunatha N., Sumithra R.	Universal Journal of Mechanical Engineering	2019	
On the neighborhood alliance sets in a graph	Sooryanarayana B., Sequeira S.L., Vishu Kumar M.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Design of rhenium compounds in targeted anticancer therapeutics	Collery P., Desmaele D., Vijaykumar V.	Current Pharmaceutical Design	2019	

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Efficient Sensory Data Transformation: A Big Data Approach	Pasha A., Latha P.H.	Advances in Intelligent Systems and Computing	2019	
A comprehensive modelling, analysis and optimisation of adhesive bonded single lap glass fibre reinforced composite joints	Rangaswamy H., Sogalad I., Basavarajappa S., Chandrashekarappa M.P.G.	International Journal of Materials Engineering Innovation	2019	
Detecting spammers on social network through clustering technique	Jose T., Babu S.S.	Journal of Ambient Intelligence and Humanized Computing	2019	
An experimental investigation on properties of concrete by partial replacement of cement with dolomite and sand with crushed sea shell	Sai Nagendra C.V., Rama Prasad C.V.S., Rukmini Florence K.N.	International Journal of Scientific and Technology Research	2019	
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IOT based automation system for distribution substation and power theft control	Divyaraj G.N., Aruna T.M., Satyanarayana M.S., Asha K.	Journal of Advanced Research in Dynamical and Control Systems	2019	
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A robust face emotion recognition approach through optimized SIFT features and adaptive deep belief neural network	Jayasimha Y., Venkata Siva Reddy R.	Intelligent Decision Technologies	2019	
An effective ensemble-based machine learning classifier for ASD with feature selection	Vijayalakshmi K., Vinayakamurthy M., Anuradha, Saiprasad	Journal of Advanced Research in Dynamical and Control Systems	2019	
An IoT based cleaning scheme for photovoltaic installations	Bhushith M.K., Ashwini Kumari P., Shradha S., Tejasvini C.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Issues with half-bridge resonant inverter and comparative analysis of power sources for ozone generation application	Pavan B., Divakar B.P., Karthik M.	Journal of Advanced Research in Dynamical and Control Systems	2019	

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A novel optimization approach for solving optimal load shedding problem considering different voltage stability indices	Raghu C.N., Manjunatha A., Raghavendra A.	International Journal of Scientific and Technology Research	2019	
Power management strategy for hybrid energy storage system in hybrid electric vehicles	Komarappa N.B., LakshmiKantha B.R.	International Journal of Intelligent Engineering and Systems	2019	
Boosting using ensemble for improving the accuracy of E-mail spam classification	Parande P.V., Banga M.K.	Journal of Advanced Research in Dynamical and Control Systems	2019	
A circular patch antenna loaded with three complementary ring slots (CrS) for uwb applications	Chandra R.B.J., Khan I., Devanagavi G.D., Sudhindra K.R., Ali T.	Journal of Advanced Research in Dynamical and Control Systems	2019	
A novel key management protocol for vehicular cloud security	Hegde N., Manvi S.S.	Telkonnika (Telecommunication Computing Electronics and Control)	2019	
Sentiment analysis on video using 3D-CNN and bidirectional LSTM	Angadi S., Siva Reddy R.V.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Solution combustion synthesis of porous β -BaSO ₄ nanopowder using benzenesulfonyl methylimidazolium chloride as fuel and sulfonating agent	Jagannath K.V., Kusuma M.	Materials Research Express	2019	
A compact two element MIMO antenna with improved isolation for wireless applications	Aw M.S., Ashwath K., Rp, Ali T.	Journal of Instrumentation	2019	
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A Hybrid Photovoltaic-Fuel Cell for Grid Integration with Jaya-Based Maximum Power Point Tracking: Experimental Performance Evaluation	Padmanaban S., Priyadarshi N., Bhaskar M.S., Holm-Nielsen J.B., Hossain E., Azam F.	IEEE Access	2019	
Audio watermarking based on compressive sensing	Electa Alice Jayarani A., Bhatt M.R., Geetha D.D.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Video enhancement technique based on horn schunck optical flow estimation and laplacian pyramid segmentation	Padma Reddy A.M., Udaya Rani V.	Journal of Advanced Research in Dynamical and Control Systems	2019	
Prediction of lung cancer using blue whale optimizer algorithm with neural network classifier	Senthil S., Ayshwarya B.	Journal of Advanced Research in Dynamical and Control Systems	2019	
OFDM receiver design using adaptive modulation and channel estimation based on kalman filter variations for underwater acoustic communication	Ravi Kumar M.G., Sarvagya M.	International Journal of Engineering and Advanced Technology	2019	
A Hepta-band Antenna Loaded with E-shaped Slot for S/C/X-band Applications	Khan I., Devanagavi G.D., Sudhindra K.R., Ali T., Rashmitha R.K., Gunjal R.	International Journal of Electronics and Telecommunications	2019	
QoS oriented and energy efficient routing protocol for cooperative MIMO based mobile WSN: Q-E2RPC	Reddy K.C., Devanagavi G.D., Thippeswamy M.N.	Journal of Engineering Science and Technology Review	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Fuzzy inference system based 3D geographic routing in wireless sensor networks	Shivappa N., Manvi S.S.	IET Wireless Sensor Systems	2019	
Anodic fabrication of nanostructured Cu:XS and CuNiSx thin films and their hydrogen evolution activities in acidic electrolytes	Udachyan I., Vishwanath R.S., Pradeep Kumara C.S., Kandaiah S.	New Journal of Chemistry	2019	
Better erosion resistance of HVOF sprayed CrC-NiCrFeSiBCoC (35%-65%) and CrC-NiCrFeSiBCoC(80%-20%) coatings	Navinesh B.C., Somundraram B., Jegadeeswaran N., Mamatha M.P.	International Journal of Mechanical and Production Engineering Research and Development	2019	
Intelligent Phase-Locked Loops for Automotive Applications	Gowda M.B., Biradar R.C., Kotgire M.K.	Lecture Notes in Electrical Engineering	2019	
Application potential of Fuzzy and regression in optimization of MRR and surface roughness during machining of C45 steel	Madival S., Ahmed M.R., Halappa M.L., Marulaiah L.	Periodica Polytechnica Mechanical Engineering	2019	
Identification of essential proteins in yeast using mean weighted average and recursive feature elimination	Sekhar S.R.M., Matt S.G., Manvi S.S., Gopalalyengar S.K.	Recent Patents on Computer Science	2019	
Probabilistic principal component analysis-based dimensionality reduction and optimization for arrhythmia classification using ECG signals	Vishwanath B., Pujeri R.V., Devanagavi G.	Bio-Algorithms and Med-Systems	2019	
Evaluation of sperm DNA fragmentation using multiple methods: A comparison of their predictive power for male infertility	Javed A., Talkad M.S., Ramaiah M.K.	Clinical and Experimental Reproductive Medicine	2019	
Preprints in scholarly communication: Re-imagining metrics and infrastructures	Balaji B.P., Dhanamjaya M.	Publications	2019	
Comb needle model for data compression based on energy-efficient technique	Abdul Raheem S., Prabhakar M., Kumar G.	Lecture Notes in Networks and Systems	2019	
Use of social media for improving student engagement at université des mascareignes (UDM)	Roopchund R., Ramesh V., Jaunky V.	Advances in Intelligent Systems and Computing	2019	
Analysis of daily stock trend prediction using ARIMA model	Mohankumari C., Vishukumar M., Chillale N.R.	International Journal of Mechanical Engineering and Technology	2019	
A novel modified sine-cosine optimized MPPT algorithm for grid integrated PV system under real operating conditions	Padmanaban S., Priyadarshi N., Holm-Nielsen J.B., Sagar Bhaskar M., Azam F., Sharma A.K., Hossain E.	IEEE Access	2019	
Erosion rate of HVOF sprayed CRC-NiCrFeSiBcOc (80%-20%) coatings of comparison with substrate metal SS-316	Navinesh B.C., Somasundar B., Mamatha M.P.	International Journal of Mechanical Engineering and Technology	2019	
Study on multi-task oriented service composition and optimization problem of customer order scheduling problem using fuzzy min-max algorithm	Suma T., Murugesan R.	International Journal of Mechanical Engineering and Technology	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Effect of process parameters on wear behavior and water absorption of UHMWPE fabric reinforced epoxy composites	RajendraPrasad P., Prakash J.N., Manjunath L.H.	International Journal of Mechanical Engineering and Technology	2019	
Investigation of machinability characteristics on C45 steel alloy while turning with untreated and cryotreated M2 HSS cutting tools	Santosh, Ahmed M.R., Loksha M., Manjunath L.H.	ARPN Journal of Engineering and Applied Sciences	2019	
On the metro domination number of cartesian product of Pm-Pn and Cm-Cn	Basavaraju G.C., Vishukumar M., Raghunath P.	Journal of Engineering and Applied Sciences	2019	
Replacement of fine aggregates by recycled construction and demolition waste in pavement quality concrete	Puneeth H.C., Mahendra S.P., Rohith M., Naveenkumar K.	Lecture Notes in Civil Engineering	2019	
An ant colony optimized mppt for standalone hybrid pv-wind power system with single cuk converter	Priyadarshi N., Ramachandaramurthy V.K., Padmanaban S., Azam F.	Energies	2019	
Nature-inspired synthesis of ZrO ₂ :Dy ³⁺ viable for WLED applications	Prakashbabu D.	Applied Physics A: Materials Science and Processing	2019	
Survey on sentiment analysis from affective multimodal content	Angadi S., Venkata Siva Reddy R.	Smart Innovation, Systems and Technologies	2019	
X-ray photoelectron spectroscopy and optical analysis of pure white light emitting Dy ³⁺ and Mn ²⁺ codoped Na ₃ Y(PO ₄) ₂ phosphors for solid-state lighting	Munirathnam K., Nagajyothi P.C., Prakashbabu D., Deva Prasad Raju B., Shim J.	Ceramics International	2019	
Analysis of student engagement and course completion in massive open online courses	Suresh Kumar S., Mallikarjuna Shastry P.M.	Studies in Computational Intelligence	2019	
Low power implementation of 32-bit RISC processor with pipelining	Mangalwedhe S., Kulkarni R., Kulkarni S.Y.	Lecture Notes in Electrical Engineering	2019	
Acetone and Diethyl ether: Improve cold flow properties of Dairy Washed Milkscum biodiesel	Srikanth H.V., Venkatesh J., Godiganur S., Manne B.	Renewable Energy	2019	
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Synthesis of calcite-zincite nano composite materials using sol-gel auto combustion method	Sampath Kumar L., Shantha V., Naik C., Drakshayani D.N., Kataraki P.S., Janvekar A.A., Ishak A.	IOP Conference Series: Materials Science and Engineering	2020	
Graph Based Method for Lathe Machining Part Model	Zubair A.F., Nazir B., Hemdi A.R., Yusoff H., Ismail H., Othman M., Kataraki P.S., Panjaitan N., Ishak A.	IOP Conference Series: Materials Science and Engineering	2020	
Dendritic Ferroselite (FeSe ₂) with 2D Carbon-Based Nanosheets of rGO and g-C ₃ N ₄ as Efficient Catalysts for Electrochemical Hydrogen Evolution	Shwetharani R., Kapse S., Thapa R., Nagaraju D.H., Balakrishna R.G.	ACS Applied Energy Materials	2020	
Social bat Optimisation dependent deep stacked auto-encoder for skin cancer detection	Majji R., Prakash P.G.O., Cristin R., Parthasarathy G.	IET Image Processing	2020	
Interface-Driven Multifunctionality in Two-Dimensional TiO ₂ Nanosheet/Poly(Dimercaptothiadiazole-Triazine) Hybrid Resistive Random Access Memory Device	Kumari A., Shanbogh S.M., Udachyan I., Kandaiah S., Roy A., Varade V., Ponnam A.	ACS Applied Materials and Interfaces	2020	

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Synthesis, characterization, crystal structure and anticancer activity of tetrahydro-quinolines using silica iodide as a heterogeneous catalyst	Ramesh K.B., Omkaramurthy B.M., Srinivas M.	Journal of Molecular Structure	2020	
Comparative Study of Selector Device Design for Sneak Current in 3D Crosspoint ReRAM	Dilna U., Prasad S.N.	MPCIT 2020 - Proceedings: IEEE 3rd International Conference on "Multimedia Processing, Communication and Information Technology"	2020	
Design and Implementation of Smart Gloves for the Specially Privileged	Anisha R., Nair A.S., Shreya A., Tharun C., Neethu K.N.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Taylor Rate-Distortion trade-off and Adaptive block search for HEVC Encoding	Anitha Kumari R.D., Udupa N.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
A new approximation algorithm for virtual machine placement with resource constraints in multi cloud environment	Shah D.M., Vinayaka Murthy M., Kumar A.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Investigations and Compression of Genomic Data	Gudodagi R., Venkata Siva Reddy R., Riyaz Ahmed M.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
A Study of the Evolution of Video Codec and its Future Research Direction	Anitha Kumari R.D., Udupa N.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Energy Harvesting Techniques for Monitoring Devices in Smart Grid Application	Pavana H., Deshpande R.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Biofeedback Glove for Stroke Rehabilitation Therapy	Srinivas G., Gowda H.C., Harshitha V., Shankar H., Vidyasagar K.N.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Machine Learning at Resource Constraint Edge Device Using Bonsai Algorithm	Naveen S., Kounte M.R.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Topological exploration for the efficient design of three-dimensional Network on Chip architectures	Naddunoori M., Devanathan M.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
A Compact Quad Band Frequency Reconfigurable Antenna for 5G and Satellite Applications	Subhash B.K., Jyosthna R., Akshay Sunny R., Sunil D.M., Biradar R.C., Ali T.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Estimation of Evapotranspiration for Seasonal Water Usage Analysis	Aryalekshmi B.N., Biradar R.C., Mohammed Ahamed J., Chandrasekar K.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	

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Ensemble Feature Selection from Cancer Gene Expression Data using Mutual Information and Recursive Feature Elimination	Koul N., Manvi S.S.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
A Secure Steganography Model Using Random-Bit Select Algorithm	Gahan A.V., Devanagavi G.D.	Proceedings of 2020 3rd International Conference on Advances in Electronics, Computers and Communications, ICAECC 2020	2020	
Classifying the risk of relapse in multiple myeloma	Koul N., Manvi S.S.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
A comprehensive survey of classification algorithms for formulating crop yield prediction using data mining techniques	Chandana C., Parthasarathy G.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
Centrality measure analysis on protein interaction networks	Ali A., Hulipalled V.R., Patil S.S.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
A robust routing strategy for congestion resilient communication through augmented network-aware and multi-parameter assistance for optimal routing decision in zone routing protocol	Suhaas K.P., Senthil S.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
An efficient framework for classifying the Clothing items based on fashion and fabric of the images	Nandyal S., Tengli N.S.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
A compact safety system for women security using IoT	Panda P.K., Mehtre B., Sunil D.M., Devanathan M., Subhash B.K., Panda S.K.	Proceedings of 2020 IEEE International Conference on Technology, Engineering, Management for Societal Impact Using Marketing, Entrepreneurship and Talent, TEMSMET 2020	2020	
Bio-inspired dimensionality reduction for Parkinson's disease (PD) classification	Pasha A., Latha P.H.	Health Information Science and Systems	2020	
Cyanoxanthomycin	Gurumurthy D.M., Charanraj T.P., Faniband B., Tallur P.N., Bagewadi Z.K., Neelagund S.E., Mulla S.I.	Jordan Journal of Biological Sciences	2020	
Prediction of Protein Secondary Structure from Amino Acid Sequences by Integrating Fuzzy, Random Forest and Feature Vector Methodologies	Sekhar S.R.M., Matt S.G., Manvi S.S.	Jordan Journal of Biological Sciences	2020	
Throughput and Outage Probability Analysis for Cognitive Radio-Non-Orthogonal Multiple Access in Uplink and Downlink Scenarios	Madan H.T., Basarkod P.I.	Mathematical Modelling of Engineering Problems	2020	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Power saving and optimal hybrid precoding in millimeter wave massive MIMO systems for 5G	Nalband A.H., Sarvagya M., Ahmed M.R.	Telkomnika (Telecommunication Computing Electronics and Control)	2020	
Outer sum labeling of a graph	Sooryanarayana B., Manjula K., Vishu K.M.	International Journal of Combinatorial Graph Theory and Applications	2020	
Optimized neural network model for attack detection in LTE network	Jyothi K.K., Chaudhari S.	Computers and Electrical Engineering	2020	
Land surface temperature estimation of mandya district using LANDSAT-8 data	Aryalekshmi B.N., Ahamed M.J., Biradar R.C., Chandrasekar K.	Journal of Applied Science and Engineering	2020	
Synthesis and electrical properties of polyaniline–cerium oxide composites	Ashwini I.S., Pattar J., Anjaneyulu P., Babu D.P., Sreekanth R., Manohara S.R., Nagaraja M.	Synthetic Metals	2020	
Synthesis of Citrus Limon mediated SnO ₂ -WO ₃ nanocomposite: Applications to photocatalytic activity and electrochemical sensor	Manjunatha A.S., Pavithra N.S., Shivanna M., Nagaraju G., Ravikumar C.R.	Journal of Environmental Chemical Engineering	2020	
Influence of electron beam irradiation on structural, thermo and photoluminescence properties of SrTiO ₃ :Sm ³⁺ nanophosphor	Yeshodamma S., Hareesh K., Nagabhushana H., Dwivedi J., Petwal V.C., Sunitha D.V.	Optik	2020	
A review on Graphitic Carbon Nitride based binary nanocomposites as supercapacitors	Ashritha M.G., Hareesh K.	Journal of Energy Storage	2020	
Degradation and detoxification of leather tannery effluent by a newly developed bacterial consortium GS-TE1310 for environmental safety	Saxena G., Purchase D., Mulla S.I., Bharagava R.N.	Journal of Water Process Engineering	2020	
Polyhydroxyalkanoate synthesis by bacteria isolated from landfill and ETP with pomegranate peels as carbon source	Rayasam V., Chavan P., Kumar T.	Archives of Microbiology	2020	
Molecular docking, PKPD, and assessment of toxicity of few chalcone analogues as EGFR inhibitor in search of anticancer agents	Reddy P.B., Reddy M.B.M., Reddy R., Chhajed S., Gupta P.P.	Structural Chemistry	2020	
Molecular Modelling and Insilico Engineering of PapMV-CP Towards Display and Development of Capripox Viral Like Particles Based on Immunogenic P32 Envelop Protein is the Homologous of the Vaccinia-Viral H3L Gene: An Insilico Approach	Kumar B.K., Kumar K.M., Reddy G.B.M., Abraham S., Yogisharadhya R., Prashantha C.N.	International Journal of Peptide Research and Therapeutics	2020	
Numerical investigation on magnetohydrodynamics flow of Casson fluid over a deformable porous layer with slip conditions	Krishna Murthy M.	Indian Journal of Physics	2020	
Combustion, performance, and emission characteristics of dairy-washed milk scum biodiesel in a dual cylinder compression ignition engine	Srikanth H.V., Venkatesh J., Godiganur S., Manne B., Bharath Kumar S., Spurthy S.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2020	
Comparison of tree based classifications and neural network based classification	Sarada B., Dandu M., Tarun S.K.	Proceedings - 2020 21st International Arab Conference on Information Technology, ACIT 2020	2020	

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Optimal DBN-based distributed attack detection model for Internet of Things	Ramesh Babu M., Veena K.N.	International Journal of Communication Systems	2020	
Nephro-protective activity of wheatgrass juice against alcohol-induced oxidative damage in rats	Hebbani A.V., Bulle S., Kanu V.R., Balachandrababu Malini A., Reddy V.D., Chakravarthula V.N.	Toxicology Mechanisms and Methods	2020	
Semi fragile audio crypto-watermarking based on sparse sampling with partially decomposed haar matrix structure	Appadurai E.A.J., Bhatt M.R., Geetha D.D.	Acta Cybernetica	2020	
An Overview on Graphene-Metal Oxide Semiconductor Nanocomposite: A Promising Platform for Visible Light Photocatalytic Activity for the Treatment of Various Pollutants in Aqueous Medium	Mandal S., Mallapur S., Reddy M., Singh J.K., Lee D.-E., Park T.	Molecules (Basel, Switzerland)	2020	
The Importance of Understanding the Anti-Corruption Legislation to Promote Corruption Reporting: Lessons from Mauritius	Jaunky V.C., Jeetoo J., Bajah C., Ramesh V.	International Journal of Public Administration	2020	
Role of heat treatment on the structural and luminescence properties of Yb ³⁺ /Ln ³⁺ (Ln = Tm, Ho and Er) co-doped LaF ₃ nanoparticles	Poma P.Y., Sales T.O., Kumar K.U., Jacinto C.	Physical Chemistry Chemical Physics	2020	
Analogy of Algorithms for Automatic Epileptic Seizure Detection	Kavya S., Prasad S.N.	Proceedings - 5th IEEE International Conference on Recent Trends in Electronics, Information and Communication Technology, RTEICT 2020	2020	
Quantum Algorithms for Machine Learning and Optimization	Sangeetha P., Kumari P.	2020 2nd PhD Colloquium on Ethically Driven Innovation and Technology for Society, PhD EDITS 2020	2020	
Internet of Things: A Survey on Devices, Ecosystem, Components and Communication Protocols	Naveena Pai G., Swathi Pai M., Dankan Gowd V., Shruthi M., Kumar N.B.	Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA 2020	2020	
Homogeneous selection drives antibiotic resistance in two adjacent sub-watersheds, China	Hu A., Wang H., Li J., Mulla S.I., Qiu Q., Tang L., Rashid A., Wu Y., Sun Q., Yu C.-P.	Journal of Hazardous Materials	2020	
Non-Darcian-Benard-magneto-surface tension driven convection in an infinite horizontal composite layer in the presence of heat source/sink and non-uniform temperature gradients	Sumithra R., Manjunatha N., Komala B.	Malaysian Journal of Fundamental and Applied Sciences	2020	
Influence of temperature on friction and wear behavior of APS sprayed NiCrBSi/flyash and NiCrBSi/flyash/tiO ₂ coatings	Nagabhushana N., Rajanna S., Ramesh M.R., Pushpa N.	Journal of Green Engineering	2020	
Modified relief algorithm and long short-term memory network for content based medical information retrieval	Lakshmana, Manvi S.S.K.S., Karibasappa K.G.	Journal of Green Engineering	2020	
Synthesis and optimization of Dy-doped SrZr ₄ (PO ₄) ₆ nanophosphors for plant growth light-emitting diodes	Munirathnam K., Rajavaram R., Nagajyothi P.C., Thiyagaraj S., Srinivas M.	Solid State Sciences	2020	

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Technology in Indian agriculture – A review	Upendra R.S., Umesh I.M., Ravi Varma R.B., Basavaprasad B.	Indonesian Journal of Electrical Engineering and Computer Science	2020	
Structural and functional characterization of bacterial cellulose from <i>Enterobacter hormaechei</i> subsp. <i>steigerwaltii</i> strain ZKE7	Bagewadi Z.K., Dsouza V., Mulla S.I., Deshpande S.H., Muddapur U.M., Yaraguppi D.A., Reddy V.D., Bhavikatti J.S., More S.S.	Cellulose	2020	
Internet of things augmented a novel PSO-employed modified zeta converter-based photovoltaic maximum power tracking system: Hardware realisation	Priyadarshi N., Padmanaban S., Holm-Nielsen J.B., Bhaskar M.S., Azam F.	IET Power Electronics	2020	
New CUK-SEPIC converter based photovoltaic power system with hybrid GSA-PSO algorithm employing MPPT for water pumping applications	Priyadarshi N., Bhaskar M.S., Padmanaban S., Blaabjerg F., Azam F.	IET Power Electronics	2020	
Portable Intensive Care Unit Equipment Using IoT	Rakesh Kumar S.M., Srikanth K.V., Kumar S., Vaibhav K., Madan H.T.	IOP Conference Series: Materials Science and Engineering	2020	
Artificial intelligent robot for enforcement surveillance (AIRES)	Kulkarni P., Meenakshi Sundaram A.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Message from Pro Vice-Chancellor	Shankapal S.R.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Study of evolutionary techniques in the field of network security	Yerriswamy T., Murtugudde G.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Weather parameter and pollution level extraction using iot for various traffic nodal points with solar charging	Panda P.K., Ballaji A., Oommen S., Bharat M.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
A hybrid recommender system using multiclassifier regression model for autism detection	Vijayalakshmi K., Vinayakamurthy M., Anuradha	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Bio-signal analysis for stressdetection using machine learning methods: A review	Sohara Banu A.R., Nagaveni V.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
RiCoBiT - A topology for the future multi core processor: A concept analysis and review of literature	Abishek Satish J., Taqhi H., Mishra H., Chetana Reddy P., Sanju V.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Deep Learning Approach in Intra -Prediction of High Efficiency Video Coding	Joy H.K., Kounte M.R., Joy A.K.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
An intelligent web app chatbot	Banu S., Patil S.D.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	

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A study on agriculture commodities price prediction and forecasting	Hegde G., Hulipalled V.R., Simha J.B.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Message from the Desk of the Chancellor	Raju P.S.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
A framework for sentiment analysis in customer product reviews using machine learning	Rekha K.B., Chandra Gowda N.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Message from the Dean R & i Council	Divakar B.P.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Design of FCSE-GAN for dissection of brain tumour in MRI	Thirumagal E., Saruladha K.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Edge Data Security for RFID-based Devices	Ambareen J., Prabhakar M., Ara T.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Continuous compliance model for hybrid multi-cloud through self-service orchestrator	Rompicharla R., Bhaskar Reddy P.V.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
The BMI and mental illness nexus: A machine learning approach	Reya Pillai R., Saravanan S., Krishna Shyam G.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Message from the Desk of the Vice-Chancellor	Babu K.M.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Profiling of social network users using proximity measures	Rashmi C., Kodabagi M.M.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Efficient data preprocessing approach for imbalanced data in email classification system	Aruna Kumara B., Kodabagi M.M.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Message from the Dean-Planning & Development	Bhagavanulu D.V.S.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
SAEKCS: Sentiment analysis for english - Kannada code switchtext using deep learning techniques	Chundi R., Hulipalled V.R., Simha J.B.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	

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Message from the Registrar	Dhanamjaya M.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Kannada grammar checker using LSTM neural network	Caryappa B.C., Hulipalled V.R., Simha J.B.	Proceedings of the International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2020	2020	
Fabrication and bonding behavior of phenalkamine resin based hybridized silver nano bio-composite laminates with less epoxy content	Akash S., Ramachandra M., Kumar L.R., Avinash S.	AIP Conference Proceedings	2020	
Evaluation and characterization of phenalkamine resin based bio-composite laminates with silver nano particles as reinforcing material	Akash S., Ramachandra M., Kumar L.R., Avinash S.	AIP Conference Proceedings	2020	
Synthesis and luminescence properties of Ce ³⁺ doped CaSiO ₃ nanophosphor	Dhanu R., Kumar M.M., Prakashbabu D.	AIP Conference Proceedings	2020	
Fuel properties of B100 and blends of Terminalia belerica (Roxb.) oil biodiesel synthesised using SrO as a basic heterogeneous catalyst	Sreekanth R., Joshi S.S., Reddy R.P.	Biofuels	2020	
Bi-Directional Power Flow in Solar PV to Maintain the Load Power Constant Using PSCAD	Bharathi V., Chilukuri M.V., Arunachalam M.	Proceedings - 2020 IEEE India Council International Subsections Conference, INDISCON 2020	2020	
Power management strategy for plug in hybrid electric vehicles using artificial intelligence techniques	Nagesh B.K., Lakshmikantha B.R.	Journal of Green Engineering	2020	
An estimation of quantity of water during rainy season due to improper construction of pavements-a case study	Bhagavanulu D.V.S., Balamurugan R.	Journal of Green Engineering	2020	
Anti-tumor effects of Artemisia nilagirica extract on MDA-MB-231 breast cancer cells: deciphering the biochemical and biomechanical properties via TGF- β upregulation	Raju S.R., Balakrishnan S., Kollimada S., Chandrashekara K.N., Jampani A.	Heliyon	2020	
Delay aware routing protocol using optimized AODV with BBO for MPLSMANET	Jayaramu A.B., Banga M.K.	International Journal of Intelligent Engineering and Systems	2020	
Enhanced photocatalytic activity of N, P, co-doped carbon quantum dots: An insight from experimental and computational approach	Yashwanth H.J., Rondiya S.R., Dzade N.Y., Dhole S.D., Phase D.M., Hareesh K.	Vacuum	2020	
Comparative node selection-based localization technique for wireless sensor networks: A bilateration approach	Tabassum N., Devanagavi G.D., Biradar R.C., Lazarescu M.T.	International Journal of Communication Systems	2020	
Is Psychological Contract Relevant in the Healthcare Sector?	Ghosh N., Tabassum F.	Encyclopedia of Organizational Knowledge, Administration, and Technology	2020	
Cloud-based framework to mitigate the impact of COVID-19 on seafarers' mental health	Mittal M., Battineni G., Goyal L.M., Chhetri B., Oberoi S.V., Chintalapudi N., Amenta F.	International Maritime Health	2020	

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A Study on Ontology Based Semantic Information Classification for Epileptic Seizure Using Optimal Fuzzy System	Thanuja K., Patil K.	Proceedings - International Conference on Smart Electronics and Communication, ICOSEC 2020	2020	
A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration with Lyapunov Control Scheme	Priyadarshi N., Padmanaban S., Bhaskar M.S., Blaabjerg F., Holm-Nielsen J.B., Azam F., Sharma A.K.	IEEE Systems Journal	2020	
Characterization and Evaluation of Joint Properties of FSWed AA6061/SiC/FA Hybrid AMCs Using Different Tool Pin Profiles	Sachinkumar, Narendranath S., Chakradhar D.	Transactions of the Indian Institute of Metals	2020	
A novel piracy protection scheme for videos using force-induced pixels	Bhadra J., Murthy M.V., Banga M.K.	Multimedia Tools and Applications	2020	
Photoluminescence of mixed phase CaSiO ₃ :Ce ³⁺ nanophosphors	R. D., Prakashbabu D., P. B., Madesh Kumar M., Ponkumar S., Hari Krishna R., Mani Rahulan K.	Optik	2020	
Effect of Mg-substitution in Co-Ni-Ferrites: Cation distribution and magnetic properties	Bhandare S.V., Kumar R., Anupama A.V., Mishra M., Kumar R.V., Jali V.M., Sahoo B.	Materials Chemistry and Physics	2020	
TLSA: A two level scheduling algorithm for multiple packets arrival in TSCH networks	Asuti M.G., Basarkod P.I.	KSII Transactions on Internet and Information Systems	2020	
Investigation of photocatalytic degradation of reactive textile dyes by Portulaca oleracea-functionalized silver nanocomposites and exploration of their antibacterial and antidiabetic potentials	Saratale G.D., Saratale R.G., Cho S.-K., Ghodake G., Bharagava R.N., Park Y., Mulla S.I., Kim D.-S., Kadam A., Nair S., Shin H.-S.	Journal of Alloys and Compounds	2020	
HRD indicators and branding practices: a viewpoint on the employer brand building process	Itam U., Misra S., Anjum H.	European Journal of Training and Development	2020	
The least monopoly energy of fuzzy graph	Rajeshwari M., Murugesan R., Venkatesh K.A.	Journal of Physics: Conference Series	2020	
A Novel Group-Based Authentication and Key Agreement Protocol for IoT Enabled LTE/LTE-A Network	Adhikari M., Panda P.K., Chattopadhyay S., Majumdar S.	2020 International Conference on Wireless Communications, Signal Processing and Networking, WiSPNET 2020	2020	
Effects of heat source/sink on darcian-benard-surface tension driven magnetoconvection in a composite layer subjected to non-uniform temperature gradients	Sumithra R., Manjunatha N.	JP Journal of Heat and Mass Transfer	2020	
Comparative genomics of rice false smut fungi Ustilaginoidea virens Uv-Gvt strain from India reveals genetic diversity and phylogenetic divergence	Pramesh D., Prasannakumar M.K., Muniraju K.M., Mahesh H.B., Pushpa H.D., Manjunatha C., Saddamhusen A., Chidanandappa E., Yadav M.K., Kumara M.K., Sharanabasav H., Rohith B.S., Banerjee G., Das A.J.	3 Biotech	2020	
Development of ultrasound aided chemical pretreatment methods to enrich saccharification of wheat waste biomass for polyhydroxybutyrate production and its characterization	Saratale G.D., Saratale R.G., Varjani S., Cho S.-K., Ghodake G.S., Kadam A., Mulla S.I., Bharagava R.N., Kim D.-S., Shin H.S.	Industrial Crops and Products	2020	

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Mechanistic insights into the sol-gel synthesis of complex (quaternary) Co–Mn–Zn-spinel ferrites: An annealing dependent study	Bhandare S.V., Kumar R., Anupama A.V., Choudhary H.K., Jali V.M., Sahoo B.	Ceramics International	2020	
Response surface methodology-based optimization of biosurfactant production from isolated Bacillus aryabhatai strain ZDY2	Yaraguppi D.A., Bagewadi Z.K., Muddapur U.M., Mulla S.I.	Journal of Petroleum Exploration and Production Technology	2020	
Anomalous current-voltage and impedance behaviour in doped Poly 3-methylthiophene devices	Anjaneyulu P., Varade V., Sangeeth C.S.S., Menon R.	Journal of Physics D: Applied Physics	2020	
Hydrometallurgical process for the recovery of yttrium from spent fluorescent lamp: Leaching and crystallization experiments	Saratale R.G., Kim H.-Y., Park Y., Shin H.S., Ghodake G., Bharagava R.N., Mulla S.I., Kim D.-S., Saratale G.D.	Journal of Cleaner Production	2020	
Anti-biofilm efficiency of 120 MeV Fe+9 SHI-irradiated polyimide film	Joshi R.P., Hareesh K., Bhadane M.S., Bankar A.V., Asokan K., Dahiwale S.S., Bhoraskar V.N., Dhole S.D.	Radiation Effects and Defects in Solids	2020	
Synthesis and characterization of nano graphene and ZrO2 reinforced Al 6061 metal matrix composites	Boppana S.B., Dayanand S., Anil Kumar M.R., Kumar V., Aravinda T.	Journal of Materials Research and Technology	2020	
Routing Protocol Based on Bacterial Foraging Optimization and Type-2 Fuzzy Logic for Wireless Sensor Networks	Alla V.K., Mallikarjuna M.	2020 11th International Conference on Computing, Communication and Networking Technologies, ICCCNT 2020	2020	
Open-source essential protein prediction model by integrating chi-square and support vector machine	Sekhar S.R.M., Siddesh G.M., Manvi S.S.	International Journal of Open Source Software and Processes	2020	
Design of Area Optimized Arithmetic and Logical Unit for Microcontroller	Purohit A.A., Ahmed M.R., Reddy R.V.S.	Proceedings of 2nd International Conference on VLSI Device, Circuit and System, VLSI DCS 2020	2020	
Microstrip Patch Antenna Design for Space Applications	Jyosthna R., Sunny R.A., Jugale A.A., Ahmed M.R.	Proceedings of the 2020 IEEE International Conference on Communication and Signal Processing, ICCSP 2020	2020	
A Perturbation based Algorithm for Inference of Gene Regulatory Networks for Multiple Myeloma	Koul N., Manvi S.S.	Proceedings of the International Conference on Electronics and Sustainable Communication Systems, ICESC 2020	2020	
Impact of Lorentz Force and Viscous Dissipation on Unsteady Nanofluid Convection Flow over an Exponentially Moving Vertical Plate	Sravan Kumar T., Dinesh P.A., Makinde O.D.	Mathematical Models and Computer Simulations	2020	
Novel fabrication of fixed suspended silicon nitride structure for MEMS devices with dry etching	Subhani K.N., Khandare S., Biradar R.C., Bhat K.N.	IOP Conference Series: Materials Science and Engineering	2020	
Strain sensing capabilities of Ag-sandwiched ITO as transparent thin film resistor	Bhat S.P., Bharathi S.H., Nayak M.M.	IOP Conference Series: Materials Science and Engineering	2020	
Effect of Strontium dinitrate on structural and electrical properties of polyaniline	Ashwini I.S., Sreekanth R., Aravinda T., Pattar J.	AIP Conference Proceedings	2020	
Influence of different natural dyes as sensitizers on the performance of DSSCs	Devi S.B., Babu D.P., Kumar S.N., Bindu P.K.	AIP Conference Proceedings	2020	

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Microwave assisted synthesis of dye sensitized solar cells	Devi S.B., Babu D.P., Kumar S.N.	AIP Conference Proceedings	2020	
Structure and magnetic properties of Ni substituted Co-Mg nanocrystal line ferrites synthesized by sol-gel auto-combustion method	Bhandare S.V., Choudhary H.K., Anupama A.V., Kumar R.V., Kumar R., Jali V.M., Sahoo B.	AIP Conference Proceedings	2020	
Sustainable approaches for urban water management for restoration of rivers in india	Pusalkar V., Swamy V., Shivapur A.	Water and Energy International	2020	
Experimental analysis and prediction of strength of adhesive-bonded single-lap composite joints: Taguchi and artificial neural network approaches	Rangaswamy H., Sogalad I., Basavarajappa S., Acharya S., Manjunath Patel G.C.	SN Applied Sciences	2020	
Analysis of Intelligent Machines using Deep learning and Natural Language Processing	Kounte M.R., Tripathy P.K., Pramod P., Bajpai H.	Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020	2020	
A Review of RPL Protocol Using Contiki Operating System	Simha S.N.V., Mathew R., Sahoo S., Biradar R.C.	Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020	2020	
RFID Characteristics and Its role in 5G Communication	Pawan T.C., Shivaraj H.S., Kounte M.R.	Proceedings of the 4th International Conference on Trends in Electronics and Informatics, ICOEI 2020	2020	
Crystallography, in silico studies, and in vitro antifungal studies of 2,4,5 trisubstituted 1,2,3-triazole analogues	Venugopala K.N., Khedr M.A., Girish Y.R., Bhandary S., Chopra D., Morsy M.A., Aldhubiab B.E., Deb P.K., Attimarad M., Nair A.B., Sreeharsha N., Rashmi V., Kandeel M., Akrawi S.H., Madhusudana Reddy M.B., Shashikanth S., Alwassil O.I., Mohanlall V.	Antibiotics	2020	
Partial purification, characterization and investigation of inhibitory effects of organic compounds on cinnamomum verum polyphenoloxidase enzymes	Laad S., Premakshi H.G., Mirjankar M., Mulla S., Pujari N., Kamanavalli C.	Applied Food Biotechnology	2020	
Microstructure and microhardness of copper coated multiwalled carbon nanotube-graphene reinforced aluminium 6061 alloy nanocomposites	Kumar V., Kempaiah U.N., Satish Babu B., Vijay Kumar S.	International Journal of Mechanical and Production Engineering Research and Development	2020	
High-Temperature Oxidation and Corrosion Behaviour of APS CoCrAlY + Cr3C2-NiCr Composite Coating	Nithin H.S., Nishchitha K.M., Shamanth V., Hemanth K., Babu K.A.	Journal of Bio- and Tribo-Corrosion	2020	
A secure mutual authentication protocol for IoT environment	Panda P.K., Chattopadhyay S.	Journal of Reliable Intelligent Environments	2020	
Future city-challenges and opportunities for water-sensitive sustainable cities, in India	Pusalkar V., Swamy V., Shivapur A.	E3S Web of Conferences	2020	
Synthesis of Terminal Thiazoles from N-Protected Amino Acids and a Study of Their Antibacterial Activities	Lalithamba H.S., Uma K., Gowthami T.S., Nagendra G.	Organic Preparations and Procedures International	2020	
A novel security algorithm ECC-L for wireless sensor network	Ajaykumar N., Sarvagya M., Parandkar P.	Internet Technology Letters	2020	

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Runoff estimation for Arkavathi valley, hebbala valley, KC Valley, South Pennar valley, Vrishabhavathi valley by using soil conservation services curve number method (Scs-cn)	Prabhu N., Mohan Kumar T.M., Inayathulla M.	Water and Energy International	2020	
Synchronization of Singular Markovian Jumping Neutral Complex Dynamical Networks with Time-Varying Delays via Pinning Control	Anand K.S., Yogambigai J., Harish Babu G.A., Ali M.S., Padmanabhan S.	Acta Mathematica Scientia	2020	
Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs	Tangade S., Manvi S.S., Lorenz P.	IEEE Transactions on Vehicular Technology	2020	
Frequency dependence of AC conductivity and dielectric properties evaluation of in-situ prepared polyaniline/manganese dioxide composite	Kulakarni Y.A., Jagadeesh M.R., Jambaladinni S., Kumar H.M.S., Vasanthkumar M.S., Shivakumara S.	Journal of Materials Science: Materials in Electronics	2020	
Statistical optimization and characterization of bacterial cellulose produced by isolated thermophilic Bacillus licheniformis strain ZBT2	Bagewadi Z.K., Bhavikatti J.S., Muddapur U.M., Yaraguppi D.A., Mulla S.I.	Carbohydrate Research	2020	
Framework for knowledge management on education	Narendra U.P., Prabhakar M., Pradeep B.S.	International Journal of Advanced Science and Technology	2020	
Development of accurate and timely students' performance prediction model utilizing heart rate data	Wong M.L., Senthil S.	Handbook of Research on Engineering Innovations and Technology Management in Organizations	2020	
Mechanical and Wear behaviour of Al6061 reinforced with Graphite and TiC Hybrid MMC's	Gowrishankar T.P., Manjunatha L.H., Sangmesh B.	Materials Research Innovations	2020	
A bio-key based authentication scheme for user mobile in fog computing environment	Gowda N.C., Manvi S.S.	International Journal of Advanced Science and Technology	2020	
Removal of organic content and nutrients from wastewater by using rotating biological contactor	Das P., Bhuyan J., Mishra M.	International Journal of Advanced Science and Technology	2020	
Developing the compressive sensing basis matrix by employing the music key as a watermark and acquire the audio signal	Electa Alice Jayarani A., Bhatt M.R., Geetha D.D.	International Journal of Advanced Science and Technology	2020	
Quality of air status in selected traffic junction points of bengaluru city-a case study	Harinath S., Pavithra P., Lumina P.	International Journal of Advanced Science and Technology	2020	
An efficient approach for enhancing security in Internet of Things using the optimum authentication key	Kalyani G., Chaudhari S.	International Journal of Computers and Applications	2020	
Employee experience management: A new paradigm shift in HR thinking	Itam U., Ghosh N.	International Journal of Human Capital and Information Technology Professionals	2020	
Comparative physical study of evans blue by fe3o4@cf-r coated combination of decorated go and tio2 magnetic nanocomposite	Jinendra U., Lakshmi B., Bhat S., Dinesh B.	Rasayan Journal of Chemistry	2020	
An adaptive fractional-sine cosine algorithm for noise removal and video deblurring	Padma Reddy A.M., Udaya Rani V.	International Journal of Scientific and Technology Research	2020	

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A new model applied for evaluating a rhenium-diselenium drug: Breast cancer cells stimulated by cytokines induced from polynuclear cells by LPS	Veena V., Harikrishnan A., Lakshmi B., Khanna S., Desmaele D., Collery P.	Anticancer Research	2020	
Local structure and electrical switching in Al ₂₀ Te ₇₅ X ₅ (X = Si, Ge, As, Sb) glasses	Wilson P.T., Ramanna R., Chahal S., Shekhawat R., Kumar M.M., Ramesh K.	Applied Physics A: Materials Science and Processing	2020	
Novel pyrazolo[3,4-d]pyrimidine derivatives inhibit human cancer cell proliferation and induce apoptosis by ROS generation	Gaonkar S., Savanur M.A., Nadaf A.A., Najare M.S., Mantur S., Garbhagudi M., Mulla S.I., Khazi I.A.M.	Archiv der Pharmazie	2020	
Drug analysis for highly sensitive morphine detection using SPR	Raganna A., Bharathi S.H., Deepthi Murthy T.S., Dilip Chandra E.	International Journal of Advanced Science and Technology	2020	
A comparative study of deep neural network and long-short term memory based voice active detection technique for the recognition of dysfluent speech	Vinay N.A., Bharathi S.H.	International Journal of Advanced Science and Technology	2020	
A systematic review of organized and unorganized retail markets and supply chain management in india	Singh R.K.	International Journal of Advanced Science and Technology	2020	
Effect of glass and coir fiber on geotechnical properties of clayey soil	Urs Y.C., Nanjunda K.N., Thejas H.K.	International Journal of Advanced Science and Technology	2020	
A survey on major problems and solutions of top 10 web application security	Raheem S.A., Veeragandham S., Gillela K.	International Journal of Advanced Science and Technology	2020	
Self-improved grey wolf optimization for estimating carrier frequency offset in SCM-OFDM systems	N R., Sarvagya M.	International Journal of Pervasive Computing and Communications	2020	
Energy Management with Bi-Directional Converters in DC Microgrids	Mahesh G.S., Puskar A., Krishna P.M., Rajashekhar S.	Journal of Physics: Conference Series	2020	
Influence of magnetic field on a curved circular plate and flat plate lubricated with non-Newtonian fluid	Hiremath A.G., Hanumagowda B.N., Siddharama P., Jagadish P.	Journal of Physics: Conference Series	2020	
Larvicidal activities of 2-aryl-2,3-dihydroquinazolin-4-ones against malaria vector anopheles arabiensis, in silico ADMET prediction and molecular target investigation	Venugopala K.N., Ramachandra P., Tratratt C., Gleiser R.M., Bhandary S., Chopra D., Morsy M.A., Aldhubiab B.E., Attimarad M., Nair A.B., Sreeharsha N., Venugopala R., Deb P.K., Chandrashekarappa S., Khalil H.E., Alwassil O.I., Abed S.N., Bataineh Y.A., Palenge R., Haroun M., Pottathil S., Girish M.B., Akrawi S.H., Mohanlall V.	Molecules	2020	
An implementation of KFDD based reversible logic using IBM-Q experience	Sangeetha P., Kumari P.	Proceedings of the 7th International Conference on Computing for Sustainable Global Development, INDIACom 2020	2020	
Placement and coordinated facts: An overview	Divya B.V., Archana N.V.	International Journal of Scientific and Technology Research	2020	
Enhancement of e-commerce security through asymmetric key algorithm	P. D., Babu S., Vijayalakshmi Y.	Computer Communications	2020	

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Defect related photoluminescence study of V2O5: Dy ³⁺ nanostructures	G.R. N., D.V. S., K. H., G. N.	Optik	2020	
Response of prokaryotic communities to extreme precipitation events in an urban coastal lagoon: A case study of Yundang lagoon, China	Wang H., Yang X., Chen Q., Su J.-Q., Mulla S.I., Rashid A., Hu A., Yu C.-P.	Science of the Total Environment	2020	
Polyphenylsulfone/multiwalled carbon nanotubes mixed ultrafiltration membranes: Fabrication, characterization and removal of heavy metals Pb ²⁺ , Hg ²⁺ , and Cd ²⁺ from aqueous solutions	Chandrashekar Nayak M., Isloor A.M., Inamuddin, Lakshmi B., Marwani H.M., Khan I.	Arabian Journal of Chemistry	2020	
Machine learning is the future for lung cancer prognosis and prediction	Balakumar A., Senthil S.	Applications of Deep Learning and Big IoT on Personalized Healthcare Services	2020	
An Overview of Community Detection Algorithms in Social Networks	Varsha K., Patil K.K.	Proceedings of the 5th International Conference on Inventive Computation Technologies, ICICT 2020	2020	
Electric Vehicle Traffic Pattern Analysis and Prediction in Aggregation Regions/Parking Lot Zones to Support V2G Operation in Smart Grid: A Cyber-Physical System Entity	Hampannavar S., Chavhan S., Mansani S., Yaragatti U.R.	International Journal of Emerging Electric Power Systems	2020	
Societal changes and its impact on food habits	Swaroop K.R., Giddaiah R.	International Journal of Scientific and Technology Research	2020	
A study on cement stabilized laterite paver blocks	Tanu H.M., Mishra M., Sunitha M., Reshma T.V., Sankalpasri S.S.	International Journal of Scientific and Technology Research	2020	
Comprehensive study of traffic congestion, travel time and traffic variation at hebbal flyover using vissim software	Sreenatha M., Suresh B., Vinayaka B., Chandraprakash K., Kanimozhee S.	International Journal of Scientific and Technology Research	2020	
The study of microstructure and wear behaviour of titanium nitride reinforced aluminium composites	Mahesh L., Reddy J.S., Jagadeesh L.R., Vinyas M.	AIP Conference Proceedings	2020	
Investigations on Electrical Resistivity and Dielectric Properties of Dy Doped MgO-ZrO ₂ Composite Material	Marappa B., Pattar V., Munirathnam K., Rudresha M.S.	ECS Journal of Solid State Science and Technology	2020	
Electrochemical Determination of Hematoxylin by Pretreated ZnO Nanoflakes Modified Carbon Paste Electrode in the Absence and Presence of Eosin y	Kumar M., Swamy B.E.K., Reddy S., Kumara J.K.S., Zhao W.	Journal of the Electrochemical Society	2020	
6-Substituted benzothiazole based dispersed azo dyes having pyrazole moiety: Synthesis, characterization, electrochemical and DFT studies	Maliyappa M.R., Keshavayya J., Mahanthappa M., Shivaraj Y., Basavarajappa K.V.	Journal of Molecular Structure	2020	
MAR-Sybil: Cooperative RSU Based Detection and Prevention of Sybil Attacks in Routing Process of VANET	Kabbur M., Arul Kumar V.	Journal of Physics: Conference Series	2020	
Congestion-aware wireless network-on-chip for high-speed communication	Devanathan M., Ranganathan V., Sivakumar P.	Automatika	2020	

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An Insight into the Potential Application of Microalgae in Pharmaceutical and Nutraceutical Production	Dhandayuthapani K., Malathy S., Mulla S.I., Gupta S.K.	Algae: Multifarious Applications for a Sustainable World	2020	
Spreading of Microorganism in Bipolar Fuzzy System	Rajeshwari M., Murugesan R., Venkatesh K.A.	Research Journal of Pharmacy and Technology	2020	
EDGE DOMINATION IN SOME BRICK PRODUCT GRAPHS	Kumar U.V.C., Murali R., Girisha A.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2020	
Constructive Effect of Ranking Optimal Features Using Random Forest, Support Vector Machine and Naïve Bayes for Breast Cancer Diagnosis	Deepa B.G., Senthil S.	Big Data Analytics and Intelligence: A Perspective for Health Care	2020	
Recent advancements in fermentation studies for lovastatin biosynthesis	Upendra R.S., Khandelwal P.	Microbial Biotechnology in Food and Health	2020	
Development of cost effective, solar light active Cu _{1-x} CaxFe ₂ O ₄ nanocomposite catalysts for water treatment	Harish K.N., Bhojya Naik H.S., Anantharaju K.S., Reddy S., Aravinda T., Vinay Kumar B., Dinamani M.	Materials Today: Proceedings	2020	
Static and free vibration analysis of functionally graded rectangular plates using ANSYS	Deepak S.A., Shetty R.A.	Materials Today: Proceedings	2020	
Tribological behaviour of aluminium-zinc-magnesium alloy processed by equal channel angular pressing	Manjunath G.K., Bhat K.U., Kumar G.V.P.	Materials Today: Proceedings	2020	
Design and development of solar electric tricycle	Hampali C., Bendigeri C.	Materials Today: Proceedings	2020	
A review on spark plasma sintering of duplex stainless steels	Mahale R.S., Shamanth V., Sharath P.C., Shashanka R., Hemanth K.	Materials Today: Proceedings	2020	
Numerical simulation aided design of heat sink using Z-cast	Suresha S., Pawan H.	Materials Today: Proceedings	2020	
Effect of traverse speed on joint characteristics of FSWed HAMCs	Sachinkumar, Narendranath S., Chakradhar D.	Materials Today: Proceedings	2020	
Pressure drop analysis for hydraulic valves	Tripathi R., Malgan P., Magdum P.	Materials Today: Proceedings	2020	
A study on thermomechanical properties of zirconium di oxide coated piston material of various thickness and its comparison with uncoated material	Kumar M.K., Sudersanan P.D.	Materials Today: Proceedings	2020	
Effect of cryogenic heat treatment & ageing on ultra fine grained aluminium-lithium alloy- A review	Harsha S., Dasharath S.M.	Materials Today: Proceedings	2020	
Development and testing of glass/kenaf inter-ply hybrid polymer composites with egg shell powder as filler	Channabasavanna S.G., Gowda T.V., Manjunatha L.H., Sharvani Shekar P.R., Chandan Kumar S.M.	Materials Today: Proceedings	2020	
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CFD analysis of an economizer for heat transfer enhancement using serrated finned tube equipped with variable fin segments	Babu C.R., Kumar P., Roy S., Kanungo D.	Materials Today: Proceedings	2020	
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Fatigue failure analysis of fillet welded joints used in Offshore structures using numerical methods	Karthik S., Mahendramani G.	Materials Today: Proceedings	2020	
Effect of moisture absorption on woven bamboo/glass fiber reinforced epoxy hybrid composites	Venkatesha B.K., Saravanan R., Anand Babu K.	Materials Today: Proceedings	2020	
Experimental and numerical analysis of temperature and air flow in the classroom using CFD	Jagadeesh L.R., Mahesh L.	Materials Today: Proceedings	2020	
Synthesis and characterization of wollastonite (CaSiO ₃)/titanium oxide (TiO ₂) and hydroxyapatite (HA) ceramic composites for bio-medical applications fabricated by spark plasma sintering technology	Mansoor P., Dasharath S.M.	Materials Today: Proceedings	2020	
A study on structural analysis of composite beam structure	Robinson P., Vishwanath K.H., Ashwini M.V.	Materials Today: Proceedings	2020	
Investigation on mechanical properties of aluminium lithium alloy through rolling	Harsha S., Dasharath S.M.	Materials Today: Proceedings	2020	
Nanoindentation studies on multiwalled carbon nanotubes/graphene reinforced aluminium alloy 6061 nanocomposites	Kumar V., Kempaiah U.N., Shivasharanayyaswamy, Bopanna S.B.	Materials Today: Proceedings	2020	
Oxidation resistance by HVOF coating on gas turbine Superco-605 material	Prabhakaran D., Jegadeeswaran	Materials Today: Proceedings	2020	
Performance test on single cylinder diesel engine by lichens biofuel	Nagesh S.B., Somesha G.H., Tilak S.R., Sachin C., Naresh H.	Materials Today: Proceedings	2020	
Design and analysis of gantry robot for pick and place mechanism with Arduino Mega 2560 microcontroller and processed using pythons	Sharath G.S., Hiremath N., Manjunatha G.	Materials Today: Proceedings	2020	
Analysis of effect of friction stir welding parameters on joint hardness and tensile strength of AA3003/SiC composites	Sachinkumar, Nagamadhu M., Badiger R.I., Babu K.A.	Materials Today: Proceedings	2020	
Room temperature erosion studies on titanium alloy and stellite-6 coatings	Jegadeeswaran N., Babu K.A., Raju B.S., Manjunath L.H., Somasundaram B.	Materials Today: Proceedings	2020	
A review paper on magnesium alloy fabricated by severe plastic deformation technology and its effects over microstructural and mechanical properties	Mansoor P., Dasharath S.M.	Materials Today: Proceedings	2020	
Recent advances in loop heat pipe	Vinod R., Basavarajappa Y.H.	Materials Today: Proceedings	2020	
Study the impact of operational parameters on interface temperature during rotary drilling	Varadaraj K.R., Kumar S.V., Manjunath C., Kumar M.R.	Materials Today: Proceedings	2020	
Studies on solid particle erosion by HVOF sprayed 25% (Cr ₃ C ₂ -25 (Ni ₂₀ Cr)) + 75% NiCrAlY on Ti-31	Anand Babu K., Jegadeeswaran N., Nithin H.S., Kapilan N.	Materials Today: Proceedings	2020	
Investigations on the influence of nano reinforcement on strength of adhesively bonded joints	Hanumantharaya R., Sogalad I., Basavarajappa S.	Materials Today: Proceedings	2020	

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Numerical analysis on flow properties in convergent - Divergent nozzle for different divergence angle	Madhu B.P., Mahendramani G., Bhaskar K.	Materials Today: Proceedings	2020	
Value chain model for Indian Railway Sanitary System	Gunaki P., Devaraj S.	Materials Today: Proceedings	2020	
Effect of carbon nanotube (CNT) additions in Cr3C2-25%NiCr coatings on microstructural and mechanical properties	Manjunatha K., Giridhara G., Jegadeeswaran N.	Materials Today: Proceedings	2020	
Reinforcement with graphene nano platelets and Beryl in Al7075 matrix composites	Patil S., Raju B.S., Haneef M., Nagaral M.	Materials Today: Proceedings	2020	
Heat treatment and its effect on mechanical and wear properties of Al6061/Gr/TiC hybrid MMCs	Gowrishankar T.P., Manjunatha L.H., Sangmesh B.	International Journal of Microstructure and Materials Properties	2020	
Selection of parameters for flash butt welding on mild steel brake tension rods	Rajesh K.R., Devaraj S.	Materials Today: Proceedings	2020	
Effect of graphite on aluminium matrix composites fabricated by stir casting route - A review	Narayana K.S.L., Benal M.M., Shivanand H.K.	Materials Today: Proceedings	2020	
Performance and emissions evaluation of diesel engine fueled with exhaust gas energy preheated CAOME biodiesel	Reddy N.V.K., Sangashetty S.G., Banapurmath N.R.	Materials Today: Proceedings	2020	
Overview on development of multi-dimensional aircraft arresting system at the time adverse failure of landing gear	Prabha S., Raghavendra S.	Materials Today: Proceedings	2020	
Investigate the deformation mechanisms and microstructural development of produced titanium alloys - A review plasma sintering technology	Pusph P., Dashrath S.M.	Materials Today: Proceedings	2020	
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Erosion behaviour of HVOF sprayed WC.Co-NiCrAlYSi (35%-65%) coatings	Somasundaram B., Navinesh B.C., Nagasureshbabu, Jegadeeswaran N.	Materials Today: Proceedings	2020	
Studies on mechanical behaviour of AlSi10Mg alloy produced by Selective Laser Melting and A360 alloy by die casting	Bharath C., Shamanth V., Hemanth K.	Materials Today: Proceedings	2020	
Circular aluminium & mild steel tubes with die radius of 10 mm for energy absorption	Manjunatha G., Sharath G.S., Reddy K.S.T.	Materials Today: Proceedings	2020	
Performance and emission characteristics of a CI engine fueled with milk scum biodiesel	Telgane V., Godiganur S., Srikanth H.V., Patil S.	Materials Today: Proceedings	2020	
A review on design of lower appendage prosthesis	Rakeshsharma K.R., Hemanth K., Shamanth V.	Materials Today: Proceedings	2020	
Analysis optimization and modelling of CO2 welding process parameters in fabrication of mild steel plates	Math P., Kumar B.S.P.	Materials Today: Proceedings	2020	

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Investigating the effect of heat treatment on B4C reinforced aluminum metal matrix composites	Mungara S.R., Manohar H.S., Dubey S., Reddy S.T.	Materials Today: Proceedings	2020	
Evaluating the tribological properties of aluminium based hybrid composites reinforced with Al ₂ O ₃ & ZrO ₂ nano particles	Shreyas P.S., Mahesh B.P., Rajanna S., Rajesh N.	Materials Today: Proceedings	2020	
Review: Synthesis and characterization of silicon nitride and graphite reinforced aluminium hybrid metal matrix composites	Reddy K.S.T., Manohar H.S., Manjunath G., Babu K.A.	Materials Today: Proceedings	2020	
CFD analysis of a single stage intermediate pressure steam turbine	Babu C.R., Hensh P.K.	Materials Today: Proceedings	2020	
Study on mechanical properties of epoxy based Kenaf/Banana/Glass fiber hybrid nano composites	Ramesh Kumar S.C., Shivanand H.K.	Materials Today: Proceedings	2020	
Experimental investigation for the determination of material properties of a composite laminate using resin and DIC techniques	Laxmi B.G., Kaushik K., Jagadishwara Rao Y., Deepika Y., Hiremath N.	Materials Today: Proceedings	2020	
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A review on combustion and vibration condition monitoring of IC engine	Nithin S.K., Hemanth K., Shamanth V.	Materials Today: Proceedings	2020	
Doctor on net with effective medicine dispatcher in medical analysis	Parthasarathy G., Soumya T.R., Ramesh P., Ramanathan L.	Advances in Parallel Computing	2020	
A study of shear friction factor in friction stir welding for developing a finite element model and its importance in the context of formation of defect free and defective weld	Kumaraswamy S., Malik V., Devaraj S., Jain V.K., Avinash L.	Materials Today: Proceedings	2020	
Synthetic polymer-based membranes for dye and pigment removal	Ibrahim G.P.S., Isloor A.M., Lakshmi B.	Synthetic Polymeric Membranes for Advanced Water Treatment, Gas Separation, and Energy Sustainability	2020	
The tourist experience: Modelling the relationship between tourist satisfaction and destination loyalty	Ramesh V., Jaunky V.C.	Materials Today: Proceedings	2020	
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Development of traffic stream characteristic models under mixed traffic conditions	Reddy S.S., Rao K.J., Rama Krishna C.B., Srikanth T.	Materials Today: Proceedings	2020	
Towards a model of urban studies classification	Balaji B.P., Dhanamjaya M.	Knowledge Organization	2020	
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Comparative study on thermal comfort of a HVAC system with two and four airflow inlet using CFD analysis for commercial building	Suryam M.K., Sharanappa G.	International Journal of Engineering Research and Technology	2020	
Effect of cenosphere addition on mechanical properties of bamboo and E-glass fiber reinforced epoxy hybrid composites	Venkatesha B.K., Saravanan R.	International Journal of Vehicle Structures and Systems	2020	
Experimental investigation on 4 stroke single cylinder P244 kirloskar CI engine using fish and waste cooking oil biodiesel blends with diesel	Vinod R., Keerthi B.L., Basavarajappa Y.H., Karthik S.	International Journal of Vehicle Structures and Systems	2020	
Influence of IOP, IT and nozzle geometry on the performance and emission characteristics of DI diesel engine running on ROME	Varun Kumar Reddy N., Sangashetty S.G., Banapurmath N.R.	International Journal of Vehicle Structures and Systems	2020	
CFD simulation for turbulent flow past NACA4412 aerofoil	Manjunath C., Somesha G.H., Majumdar S.	International Journal of Vehicle Structures and Systems	2020	
Effect of laser treated HVOF coating on Ti-15 alloy for combating oxidation on gas turbines at 700°C	Dharamendara M., Jegadeeswaran N.	International Journal of Vehicle Structures and Systems	2020	
Studies on process parameter optimization of inconel 718 turning operation using taguchi based grey relational analysis	Raju B.S., Chandrasekhar U., Manjunath L.H.	International Journal of Vehicle Structures and Systems	2020	
COVID-19 and cancer comorbidity: Therapeutic opportunities and challenges	Pathania A.S., Prathipati P., Abdul B.A.A., Chava S., Katta S.S., Gupta S.C., Gangula P.R., Pandey M.K., Durden D.L., Byraredy S.N., Challagundla K.B.	Theranostics	2020	
A comprehensive review of traditional video processing	Joy H.K., Kounte M.R.	Advances in Science, Technology and Engineering Systems	2020	
Modeling and analysis of additional clear channel assessment to improve performance of ieee 802.15.4-based mac protocol	Asuti M.G., Basarkod P.I.	Journal of Telecommunications and Information Technology	2020	
Exosomes: Novel players of therapy resistance in neuroblastoma	Richard H., Pokhrel A., Chava S., Pathania A., Katta S.S., Challagundla K.B.	Advances in Experimental Medicine and Biology	2020	
Power scaling and antenna selection techniques for hybrid beamforming in mmWave massive MIMO systems	Nalband A.H., Sarvagya M., Ahmed M.R.	International Journal of Electronics and Telecommunications	2020	
EARPC { Energy Aware Routing Protocol for Cooperative MIMO Scheme in WSNs	Reddy K.C., Devanagavi G.D., Thippeswamy N.M.	Journal of Telecommunications and Information Technology	2020	
Design and implementation of reconfigurable neuro-inspired computing model on a FPGA	Venkata Prashanth B.U., Ahmed M.R.	Advances in Science, Technology and Engineering Systems	2020	
Investigation of plant flavonoids as potential dengue protease inhibitors	Jayadevappa M.K., Karkera P.R., Siddappa R.Y., Telkar S., Karunakara P.	Journal of HerbMed Pharmacology	2020	
Creating and estimating replacement in evaluation process through multiple criteria decision making	Malagi V., Kumara P.K.M., Babu H.G.A., Kumar U.K.N.	International Journal of Engineering Research and Technology	2020	

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Wireless Access Support for Distribution Management System (DMS) to Microgrid Communication in Power Network	Himabindu N., Mandi R.P., Hampannavar S., Manasani S.	Lecture Notes in Electrical Engineering	2020	
Cotton leaf image segmentation using modified factorization-based active contour method	Patil B.M., Amarapur B.	International Journal of Advanced Computer Science and Applications	2020	
Cluster-based authentication for machine type communication in LTE network using elliptic curve cryptography	Jyothi K.K., Chaudhari S.	International Journal of Cloud Computing	2020	
Performance analysis of various multipliers using 8T-full adder with 180nm technology	Sai Venkatramana Prasada G.S., Seshikala G., Niranjana S.	Recent Advances in Electrical and Electronic Engineering	2020	
Research on state space modeling, stability analysis and pid/pidn control of dc–dc converter for digital implementation	Viswanatha V., Venkata Siva Reddy R., Rajeswari	Lecture Notes in Electrical Engineering	2020	
Low Power Bulk Driven Series Parallel OTA for Low Frequency Applications	Shivaprasad S.P., Kulkarni S.	Advances in Science, Technology and Engineering Systems	2020	
Rainbow connection number of flower snark graph	Srinivasa Rao K., Vijaya Chandra Kumar U., Mekala A.	International Journal of Applied Mathematics	2020	
Decolourization of distillery spent wash under continuous mode	Chandra I., Ramesh N., Upadhyay A.	Indian Journal of Environmental Protection	2020	
Cultural characteristics and cordycepin production of some Cordyceps militaris strains under artificial cultivation conditions	Nguyen L.T., Van Le V., Nguyen B.T.T., Ngo N.X., Nguyen H.T.T., Nguyen Q.D., Mulla S.	Biotechnologia	2020	
Detection of pothole and warning system	Divya M.N., Koparde A.G., Guruprasad K.B., Naregal N.S., Nandeesh B.K.	International Journal of Pharmaceutical Research	2020	
A novel complementary slotted split ring resonator loaded truncated arc patch antenna with enhanced performance	Rao M.S., Basarkod P.I.	Progress In Electromagnetics Research C	2020	
Investigating the Impact of Deep Cryogenic Treatment on Surface Roughness and Cutting Force in Turning C45 Steel	Santosh, Riyaz Ahmed M., Loksha M., Manjunath L.H.	Materials Today: Proceedings	2020	
Applications of Polymer Light-Emitting Devices and Displays	Babu D.P., Kumar S.N., Kumar N.S., Naidu K.C.B., Basha D.B.	Polymers for Light-Emitting Devices and Displays	2020	
The study of berwald connection of a finsler space with a special (α, β) -metric	Mylarappa V.D., Kampalappa N.S.	Advances in Mathematics: Scientific Journal	2020	
The least monopoly distance energy of fuzzy graph	Rajeshwari M., Murugesan R., Venkatesh K.A.	Advances in Mathematics: Scientific Journal	2020	
Articulation point based quasi identifier detection for privacy preserving in distributed environment	Chandrakar I., Hulipalled V.R.	International Journal of Communication Networks and Information Security	2020	
Squeeze film lubrication on a rigid sphere and a flat porous plate with piezo-viscosity and couple stress fluid	Hanumagowda B.N., Sreekala C.K., Noorjahan, Makinde O.D.	Defect and Diffusion Forum	2020	
Stabilized domain-wall pinning in a constricted nanowire	Prashanth B.U.V., Ahmed M.R.	Materiali in Tehnologije	2020	

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Implementation of Brain Machine Interface using Mind wave Sensor	Kounte M.R., Tripathy P.K., Pramod P., Bajpai H.	Procedia Computer Science	2020	
A Novel Multiband Microstrip Patch Antenna for 5G Communications	Punith S., Praveenkumar S.K., Jugale A.A., Ahmed M.R.	Procedia Computer Science	2020	
Artificial Neural Network based Modelling and Simulation to Identify new candidates for hosting Skyrmons	Prashanth B.U.V., Ahmed M.R.	Procedia Computer Science	2020	
Microstrip Patch Antenna Design for Fixed Mobile and Satellite 5G Communications	Rashmitha R., Niran N., Jugale A.A., Ahmed M.R.	Procedia Computer Science	2020	
Optimal Hybrid Precoding for Millimeter wave Massive MIMO Systems	Nalband A.H., Sarvagya M., Ahmed M.R.	Procedia Computer Science	2020	
Machine Learning Approach on Traffic Congestion Monitoring System in Internet of Vehicles	Kamble S.J., Kounte M.R.	Procedia Computer Science	2020	
Computer Aided Numerical Simulations of Current Induced Domain Wall in a Nanowire	Prashanth B.U.V., Ahmed M.R.	Procedia Computer Science	2020	
Application of hybrid genetic algorithm for successful CS-MRI reconstruction	Shrividya G., Bharathi S.H.	Journal of Advanced Research in Dynamical and Control Systems	2020	
Accurate alliances in graphs	Hegde C., Sooryanarayana B., Sequeira S.L., Vishu Kumar M.	Journal of Advanced Research in Dynamical and Control Systems	2020	
Survey on MTC Group Authentication and Key Management for MTC in LTE Networks	Jyothi K.K., Chaudhari S.	Lecture Notes in Electrical Engineering	2020	
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A Four-Switch-Type Converter Fed Improved Photovoltaic Power System	Priyadarshi N., Azam F., Bhoi A.K., Sharma A.K.	Green Energy and Technology	2020	
Design of Wind Energy Conversion System Under Different Fault Conditions	Vardia M., Priyadarshi N., Ali I., Azam F., Bhoi A.K.	Green Energy and Technology	2020	
A Fuzzy Logic Control Based Vibration Control System for Renewable Application	Choudhary T., Priyadarshi N., Kumar P., Azam F., Bhoi A.K.	Green Energy and Technology	2020	
A Proton Exchange Membrane-Based Fuel Cell Integrated Power System	Priyadarshi N., Azam F., Bhoi A.K., Sharma A.K.	Green Energy and Technology	2020	
A Closed-Loop Control of Fixed Pattern Rectifier for Renewable Energy Applications	Priyadarshi N., Azam F., Bhoi A.K., Sharma A.K.	Green Energy and Technology	2020	
Maximum Power Point Tracking for Wind Energy Conversion System	Vardia M., Priyadarshi N., Ali I., Azam F., Bhoi A.K.	Green Energy and Technology	2020	
Dynamic Operation of Grid-Connected Photovoltaic Power System	Priyadarshi N., Azam F., Bhoi A.K., Sharma A.K.	Green Energy and Technology	2020	
A Multilevel Inverter-Controlled Photovoltaic Generation	Priyadarshi N., Azam F., Bhoi A.K., Sharma A.K.	Green Energy and Technology	2020	

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'Customer Satisfaction', Loyalty and 'Adoption' of E-Banking Technology in Mauritius	Ramesh V., Jaunky V.C., Roopchund R., Oodit H.S.	Advances in Intelligent Systems and Computing	2020	
Factor's Persuading 'Online Shopping' Behaviour in Mauritius: Towards Structural Equation Modelling	Ramesh V., Jaunky V.C., Lafleur C.	Advances in Intelligent Systems and Computing	2020	
Arithmetic and logical unit design for area optimization for microcontroller	Purohit A.A., Ahmed M.R., Venkata Siva Reddy R.	International Journal on Emerging Technologies	2020	
FPGA Implementation of Bio-Inspired Computing Architecture Based on Simple Neuron Model	Prashanth B.U.V., Ahmed M.R.	2020 International Conference on Artificial Intelligence and Signal Processing, AISP 2020	2020	
Deep Learning Techniques for Obstacle Detection and Avoidance in Driverless Cars	Sanil N., Venkat P.A.N., Rakesh V., Mallapur R., Ahmed M.R.	2020 International Conference on Artificial Intelligence and Signal Processing, AISP 2020	2020	
A survey on copyright protection of audio signals and study on the robustness and performance assessment factors	Electa Alice Jayarani A.	Journal of Critical Reviews	2020	
Automatic detection and grading of diabetic maculopathy using fundus images	Rajput G.G., Reshmi B.M., Rajesh I.S.	Procedia Computer Science	2020	
Performance Improvement of M-Class Phasor Measurement Unit (PMU) using Hamming and Blackman Windows	Hampannavar S., Teja C.B., Swapna M., Kumar U.R.Y.	2020 IEEE International Conference on Power Electronics, Smart Grid and Renewable Energy, PESGRE 2020	2020	
Physical and wear properties of UHMWPE fabric reinforced epoxy composites	Prasad P.R., Prakash J.N., Manjunath L.H., Reddy P.V.	International Journal of Automotive and Mechanical Engineering	2020	
Survey: Classification and reconstruction of archaeological artefacts	Priyadarshini R., Soumya A.	Advances in Intelligent Systems and Computing	2020	
Vehicle Monitoring and Accident Prevention System Using Internet of Things	Parthasarathy G., Justindhas Y., Soumya T.R., Ramanathan L., AnigoMerjora A.	Lecture Notes on Data Engineering and Communications Technologies	2020	
Sentimental Analysis Using Convolution Neural Network Through Word to Vector Embedding for Patients Dataset	Parthasarathy G., Preethi D., Christo M.S., Soumya T.R., Saravanakumar J.	Lecture Notes on Data Engineering and Communications Technologies	2020	
Enabling Technologies for Internet of Vehicles	Kamble S.J., Kounte M.R.	Lecture Notes on Data Engineering and Communications Technologies	2020	
A Multicast Transmission Routing Protocol for Low Power Lossy Network Based IoT Ecosystem	Ganesh D.R., Patil K.K., Suresh L.	Lecture Notes on Data Engineering and Communications Technologies	2020	
Signature Recognition and Verification Using Zonewise Statistical Features	Lakkannavar B.F., Kodabagi M.M., Naik S.P.	Lecture Notes on Data Engineering and Communications Technologies	2020	
Multifactor authentication assist crypto model for wireless sensor networks (MFA-WSNs)	Ajaykumar N., Sarvagya M., Parandkar P.	Journal of Advanced Research in Dynamical and Control Systems	2020	
An analysis of heart disease for diabetic patients using recursive feature elimination with random forest	Channabasavaraju B.D., Vinayakamurthy U.	Journal of Computer Science	2020	
Development and study on corrosion properties of Al6061/Nanocarbon black reinforced aluminium metal matrix composites	Manohar H.S., Reddy Mungara S., Anand S.N., Sharan Teja Reddy K.	Materials Today: Proceedings	2020	

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Effect of Zr on nanocrystalline Al-4.5 wt.% Cu alloy and its strengthening mechanisms prepared by mechanical alloying	Dasharath S.M., Arati C.	Materials Today: Proceedings	2020	
Better wear resistance of HVOF coating CrC-NiCrFeSiBCoC(35%-65%) and CrC-NiCrFeSiBCoC(80%-20%) on SS316 steels	Navinesh B.C., Somasundaram B., Jagadeeswaran J., Mamatha M.P.	Materials Today: Proceedings	2020	
Effect of carbon black nano-fillers on tribological properties of Al6061-Aluminium metal matrix composites	Teja Reddy S., Manohar H.S., Anand S.N.	Materials Today: Proceedings	2020	
Fabrication & characterization of ZnS micro particulate filled glass and jute fibre reinforced hybrid polymer composites	Raju B.S., Manjunatha L.H., Santosh S., Jagadeeswaran N.	Materials Today: Proceedings	2020	
A statistical analysis of optimization of wear behavior of Al7075-Beryl-Graphene hybrid composites using Taguchi technique	Patil S., Haneef M., Seenappa S.	Materials Today: Proceedings	2020	
Processing, microstructure and mechanical behavior of spray casted Al-4.5 wt% Cu alloy	Devaraj S., Narayanaswamy K.S., Hemanth K., Shamanth V.	Materials Today: Proceedings	2020	
Studies on microstructure and mechanical characteristics of as cast AA6061/SiC/fly ash hybrid AMCs produced by stir casting	Sachinkumar S., Narendranath S., Chakradhar D.	Materials Today: Proceedings	2020	
A face based basis function solutions to thermal conduction problems for 3-D irregular shaped bodies using BEM	Anand S.N., Sreerama Reddy T.V., Madhu D.	Materials Today: Proceedings	2020	
Wear behavior of HVOF sprayed WC-Co/NiCrAlYSi (35-65%) and WC-Co/NiCrAlYSi (80-20%) coatings on turbine SS316 steel	Somasundaram B., Navinesh B.C., Jagadeeswaran J., Mamatha M.P.	Materials Today: Proceedings	2020	
Investigation of mechanical properties of polymer composites used for orthopedic application	Hampali C., Dushyanth Kumar C.K., Manjunatha D., Rohith A., Vinay Kumar T.	Materials Today: Proceedings	2020	
Microstructural and mechanical properties of magnesium alloy processed by severe plastic deformation (SPD)-A review	Mansoor P., Dasharath S.M.	Materials Today: Proceedings	2020	
Static and modal analysis of diaphragm spring used in micro depth sensing indenting Machine	Hiremath N., Tarun K.S.	Materials Today: Proceedings	2020	
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Corrosion resistance by HVOF coating on gas turbine materials of cobalt based superalloy	Prabhakaran D., Jagadeeswaran N., Somasundaram B., Raju B.S.	Materials Today: Proceedings	2020	
Urban data application towards quality of life optimization in Indian cities	Shubhi S., Kumar S.	CEUR Workshop Proceedings	2020	

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A new optimised interleaver design for high-dimensional data transmission in SCM-OFDM system	Rashmi N., Sarvagya M.	International Journal of Wireless and Mobile Computing	2020	
Keyless, Robust and Cost-Effective Privacy Protection Algorithm for Videos Using Steganography	Bhadra J., Banga M.K., Vinayaka Murthy M.	Advances in Intelligent Systems and Computing	2020	
Bagging for Improving Accuracy of Diabetes Classification	Parande P.V., Banga M.K.	Advances in Intelligent Systems and Computing	2020	
Mixture Design Using Low-Cost Adsorbent Materials for Decolourisation of Biomethanated Distillery Spent Wash in Continuous Packed Bed Column	Chandra I., Upadhyay A., Ramesh N.	Smart Innovation, Systems and Technologies	2020	
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In Search of the Future Technologies: Fusion of Machine Learning, Fog and Edge Computing in the Internet of Things	Naveen S., Kounte M.R.	Lecture Notes on Data Engineering and Communications Technologies	2020	
Tensile toughness characteristics of cast Al-Zn-Mg alloys processed by equal channel angular pressing	Manjunath G.K., Bhat K.U., Preetham Kumar G.V.	Materials Science Forum	2020	
Hanning weighted window analysis assisted time-series analysis model for slow moving target detection in sea clutter	Rajesh B., Udayarani V., Jayaramaiah G.V.	International Journal of Engineering Research and Technology	2020	
Integrated reporting insight: Why organisation voluntarily reports?	Ara M., Harani B.	International Journal of Scientific and Technology Research	2020	
Financial inclusion with reference to access to banking services: An empirical analysis	Shylaja H.N.	International Journal of Scientific and Technology Research	2020	
Design and performance analysis of artificial neural network based artificial synapse for bio-inspired computing	Prashanth B.U.V., Ahmed M.R.	Advances in Intelligent Systems and Computing	2020	
Neuro-fuzzy inference approach for detecting stages of lung cancer	Rangaswamy C., Raju G.T., Seshikala G.	Advances in Intelligent Systems and Computing	2020	
Fault-resilient and QoS centric dynamic network sensitive routing protocol for mobile-WSNs	Ganesh D.R., Patil K.K., Suresh L.	International Journal of Autonomous and Adaptive Communications Systems	2020	
Design of Low-Power Active High-Pass Filter Using Operational Transconductance Amplifier	Nivitha Rodrigues S., Sushma P.S.	Lecture Notes in Electrical Engineering	2020	
Feature Selection from Gene Expression Data Using SVMRF and Feed-Forward Neural Network Classifier	Koul N., Manvi S.S.	Lecture Notes in Electrical Engineering	2020	
Artificial Neural Network-Based Smart Energy Meter Monitoring and Control Using Global System for Mobile Communication Module	Ashwini Kumari P., Geethanjali P.	Advances in Intelligent Systems and Computing	2020	
Efficiency enhancement using optimized static scheduling technique in TSCH networks	Asuti M.G., Basarkod P.I.	International Journal of Electrical and Computer Engineering	2020	

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Energy efficient clustering using the AMHC (adaptive multi-hop clustering) technique	Vimala M., Ranjan R.	International Journal of Electrical and Computer Engineering	2020	
Framework for comprehensive enhancement of brain tumor images with single-window operation	Deepthi Murthy T.S., Sadashivappa G.	International Journal of Electrical and Computer Engineering	2020	
Gamma-irradiation induced modifications in structural and magnetic properties of nanocrystalline Mn _{0.5} Zn _{0.5} Sm _x Fe _{2-x} O ₄ ceramics	Anupama A.V., Kumar R., Choudhary H.K., Angadi V.J., Somashekarappa H.M., Rudraswamy B., Sahoo B.	Radiation Physics and Chemistry	2020	
Synthesis and anti-tuberculosis studies of 10-phenyl sulfonyl-2-alkyl/aryl-4, 10 dihydrobenzo [4, 5] imidazo [1, 2-a] pyrimidin-4-one derivatives	Jagannath K.V.	Current Chemistry Letters	2020	
An Adaptive Neuro-Fuzzy Inference System-Based Intelligent Grid-Connected Photovoltaic Power Generation	Priyadarshi N., Azam F., Sharma A.K., Vardia M.	Advances in Intelligent Systems and Computing	2020	
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Simply Supported Polygon Plate Frequencies using Classical and Shear Deformation Theories	Deepak S.A., Rajesh A.S., Dushyanthkumar G.L., Sudheer K.K.	International Journal of Vehicle Structures and Systems	2021	
Integration of RES with MPPT by SVPWM scheme	Kumar B.H., Subburaj V.	Intelligent Renewable Energy Systems: Integrating Artificial Intelligence Techniques and Optimization Algorithms	2021	
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Neural Network Based Mental Depression Identification and Sentiments Classification Technique From Speech Signals: A COVID-19 Focused Pandemic Study	Ahmed S.T., Singh D.K., Basha S.M., Abouel Nasr E., Kamrani A.K., Aboudaif M.K.	Frontiers in Public Health	2021	
Assessment of LULC Changes for Hesaraghatta Watershed Using GIS Tools and Remote Sensed Data	Bharath A., Manjunatha M., Tangadagi R.B., Preethi S., Dangeti M.	Nature Environment and Pollution Technology	2021	
A 20–44 GHz wideband LNA design using the sige technology for 5G millimeter-wave applications	Balani W., Sarvagya M., Ali T., Samasgikar A., Kumar P., Pathan S., Pai M M M.	Micromachines	2021	
An overview of recent advancements in microbial polyhydroxyalkanoates (Pha) production from dark fermentation acidogenic effluents: A path to an integrated bio-refinery	Saratale R.G., Cho S.-K., Saratale G.D., Kumar M., Bharagava R.N., Varjani S., Kadam A.A., Ghodake G.S., Palem R.R., Mulla S.I., Kim D.-S., Shin H.-S.	Polymers	2021	
Delay aware downlink resource allocation scheme for future generation tactical wireless networks	Ravishankar H., Patil K.K.	IAES International Journal of Artificial Intelligence	2021	
Analysis of various surface energy balance models for evapotranspiration estimation using satellite data	Aryalekshmi B.N., Biradar R.C., Chandrasekar K., Mohammed Ahamed J.	Egyptian Journal of Remote Sensing and Space Science	2021	

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Hybrid nanofluid slip flow and heat transfer over a stretching surface	Kumar T.S.	Partial Differential Equations in Applied Mathematics	2021	
Effects of rhenium(I)-diselenoether and of its diselenide ligand on the production of cathepsins B and S by MDA-MB231 breast malignant cells	Collery P., Veena V., Desmaele D., Hari Krishnan A., Lakshmi B.	Anticancer Research	2021	
Highly corrosion resistant platinum-rhodium alloy coating and its photocatalytic activity	Devendra B.K., Praveen B.M., Tripathi V.S., Nagaraju G., Nagaraju D.H., Nayana K.O.	Inorganic Chemistry Communications	2021	
Drainage morphometry based sub-watershed prioritization of Kalinadi basin using geospatial technology	Bharath A., Kumar K.K., Maddamsetty R., Manjunatha M., Tangadagi R.B., Preethi S.	Environmental Challenges	2021	
Combined secure approach based on whale optimization to improve the data classification for data analytics	Sarada B., Vinayaka Murthy M., Udaya Rani V.	Pattern Recognition Letters	2021	
Investigation of ON Current and Subthreshold Swing of an InSb/Si Heterojunction Stacked Oxide Double-Gate TFET with Graphene Nanoribbon	Samuel T.S.A., Venkatesh M., Pandian M.K., Vimala P.	Journal of Electronic Materials	2021	
A computational overview on phylogenetic characterization, pathogenic mutations, and drug targets for Ebola virus disease	Vasudevan K., Thirumal Kumar D., Udhaya Kumar S., Saleem A., Nagasundaram N., Siva R., Tayubi I.A., George Priya Doss C., Zayed H.	Current Opinion in Pharmacology	2021	
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Glucose electrocatalysts derived from mono- or dicarbene coordinated nickel(II) complexes and their mesoporous carbon composites	Yhobu Z., Brinda K.N., Achar G., Malecki J.G., Keri R.S., Nagaraju D.H., Budagumpi S.	Applied Organometallic Chemistry	2021	
Hydrogen Evolution Reaction by Platinum Coating	Devendra B.K., Praveen B.M., Tripathi V.S., Nagaraju D.H., Nayana K.O.	Iranian Journal of Science and Technology, Transaction A: Science	2021	
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A Detailed Evolutionary Scrutiny of PEIS with GPS Fleet Tracker and AOMDV-SAPTV Based on Throughput, Delay, Accuracy, Error Rate, and Success Rate	Pandian M.T., Prasad S.N., Sharma M.	Wireless Personal Communications	2021	
Mechanical and Moisture Absorption Behaviour of Alkali Treated Sida Acuta Composite	Chandra Mohan H.K., Devaraj S., Ranganatha R., Narayana Swamy K.S.	Transactions of the Indian Institute of Metals	2021	
An hybrid security framework using internet of things for healthcare system	Kumar S.S., Koti M.S.	Network Modeling Analysis in Health Informatics and Bioinformatics	2021	

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Mutational analysis in international isolates and drug repurposing against SARS-CoV-2 spike protein: molecular docking and simulation approach	Pulakuntla S., Lokhande K.B., Padmavathi P., Pal M., Swamy K.V., Sadasivam J., Singh S.A., Aramgam S.L., Reddy V.D.	VirusDisease	2021	
Analysis of human aldehyde dehydrogenases (ALDH) gene expression pattern in breast cancer tissue samples: rutin-copper complex inhibit the breast cancer cell proliferation	Pattar S.V., Mirjankar M.R., Kulkarni S., Gai P.B., Pujar N.K., Premakshi H.G., Mulla S.I., Babu R.L., Kamanavalli C.M.	Egyptian Journal of Medical Human Genetics	2021	
Non-Darcian-Bénard Double Diffusive Magneto-Marangoni Convection in a Two Layer System with Constant Heat Source/Sink	Manjunatha N., Sumithra R.	Iraqi Journal of Science	2021	
Analysis of parallel flow heat exchanger using SiO ₂ nanofluids in the laminar flow region	Lahari M.L.R.C., Sai P.H.V.S.T., Sharma K.V., Narayanaswamy K.S., Bee P.H., Devaraj S.	Journal of Physics: Conference Series	2021	
Metal-Metal Interactions in Bi-, Tri- and Multinuclear Fe, Ru and Os N-Heterocyclic Carbene Complexes and their Catalytic Applications	Narayana B.K., Keri R.S., Hanumantharayudu N.D., Budagumpi S.	European Journal of Inorganic Chemistry	2021	
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THE EFFECTS OF COUPLESTRESS ON THE PERFORMANCE OF SQUEEZE FILM BETWEEN ELLIPTICAL PLATES LUBRICATED WITH A FERROFLUID	Shakilahammad, Kumar J.S., Hanumagowda B.N.	ARPN Journal of Engineering and Applied Sciences	2021	
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Dynamic Analysis of Base Isolated Connected Buildings Subjected to Seismic and Blast Induced Vibrations	Kangda M.Z., Bakre S.	Soil Mechanics and Foundation Engineering	2021	
Development of soft actuators for stroke rehabilitation using deep learning	Al-Shammari N.K., Alshammari A.S., Albadarn S.M., Ahmed S.T., Basha S.M., Alzamil A.A., Gabr A.M.	International Journal of Advanced and Applied Sciences	2021	
Analysis of microgrid integrated Photovoltaic (PV) Powered Electric Vehicle Charging Stations (EVCS) under different solar irradiation conditions in India: A way towards sustainable development and growth	Himabindu N., Hampannavar S., Deepa B., Swapna M.	Energy Reports	2021	

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Garlic and cilantro assisted phytoextraction of zinc using <i>Sansevieria roxburghiana</i> from contaminated soil	Mirjankar M.R., Pattar S.V., G P.H., Pujar N.K., Laad S., Ganeshkar M.P., Mulla S.I., Kamanavalli C.M.	Biocatalysis and Agricultural Biotechnology	2021	
In-silico genome wide analysis of Mitogen activated protein kinase kinase gene family in <i>C. sinensis</i>	Paul A., Srivastava A.P., Subrahmanya S., Shen G., Mishra N.	PLoS ONE	2021	
Sono-chemical synthesis of silver quantum dots immobilized on exfoliated graphitic carbon nitride nanostructures using ginseng extract for photocatalytic hydrogen evolution, dye degradation, and antimicrobial studies	Mallikarjuna K., Vattikuti S.V.P., Manne R., Manjula G., Munirathnam K., Mallapur S., Marraiki N., Mohammed A., Reddy L.V., Rajesh M., Razab M.K.A.A.	Nanomaterials	2021	
Framework for classification of cancer gene expression data using Bayesian hyper-parameter optimization	Koul N., Manvi S.S.	Medical and Biological Engineering and Computing	2021	
Experimental investigation and optimization of compression moulding parameters for MWCNT/glass/kevlar/epoxy composites on mechanical and tribological properties	Rangaswamy H., M H.H., Gowdru Chandrashekarappa M.P., Pimenov D.Y., Giasin K., Wojciechowski S.	Journal of Materials Research and Technology	2021	
Electrochemical studies of heat-treated NiCrMoFeCoAl and NiCrMoFeCoAl-30%Cr3C2 HVOF coatings on T22 boiler steel	Patil V.G., Kandaiah S., Somasundaram B.	International Journal of Applied Ceramic Technology	2021	
In vitro cytotoxicity efficacy of phytosynthesized Ag/ZnO nanocomposites using <i>Murraya koenigii</i> and <i>Zingiber officinale</i> extracts	Arumai Selvan D.S., keerthi M., Murugesan S., Shobana S., Lakshmi B., Veena V., Rahiman A.K.	Materials Chemistry and Physics	2021	
Modeling and analysis of priority and range-based-deterministic and synchronous multichannel extension-guaranteed time slot allocation in IEEE 802.15.4e medium access control protocol	Asuti M.G., Basarkod P.I.	Transactions on Emerging Telecommunications Technologies	2021	
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Privacy Preserving Big Data mining using Pseudonymization and Homomorphic Encryption	Chandrakar I., Hulipalled V.R.	2021 2nd Global Conference for Advancement in Technology, GCAT 2021	2021	
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Bacteriocin production optimization applying RSM and hybrid (ANN-GA) method for the indigenous culture of <i>Pediococcus pentosaceus</i> Sanna 14	Upendra R.S., Khandelwal P., Ahmed M.R.	Journal of Applied Pharmaceutical Science	2021	
Synthesis of high surface area and plate-like Magnesium Oxide nanoparticles by pH-controlled precipitation method	Sreekanth R., Pattar J., Anupama A.V., Mallikarjunaswamy A.M.M.	Applied Physics A: Materials Science and Processing	2021	
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Demystifying the role of emotions in decision-making sciences: A new hrd indicator dimension	Ghosh N.	International Journal of Human Capital and Information Technology Professionals	2021	
Degradation mechanism and toxicity reduction of methyl orange dye by a newly isolated bacterium <i>Pseudomonas aeruginosa</i> MZ520730	Kishor R., Purchase D., Saratale G.D., Romanholo Ferreira L.F., Hussain C.M., Mulla S.I., Bharagava R.N.	Journal of Water Process Engineering	2021	
Effective compressed sensing MRI reconstruction via hybrid GSGWO algorithm	Guruprasad S., Bharathi S.H., Anto Ramesh Delvi D.	Journal of Visual Communication and Image Representation	2021	
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Analytical Modeling and Simulation of Gate-All-Around Junctionless Mosfet for Biosensing Applications	Preethi S., Venkatesh M., Karthigai Pandian M., Lakshmi Priya G.	Silicon	2021	
Synthesis, electrical, and dielectric properties of novel polyaniline/strontium di-nitrate composites	Ashwini I.S., Pattar J., Sreekanth R., Nagaraja M., Manohara S.R., Anjaneyulu P.	Polymer Composites	2021	
Continuous wave laser probed thermal nonlinearity in TiO ₂ and TiO ₂ -dye nano colloidal	Pramodini S., Aravinda L.S., Nagaraja K.K., Poornesh P.	Optics and Laser Technology	2021	
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Dielectric properties of A-site Mn-doped bismuth sodium titanate perovskite: (Bi _{0.5} Na _{0.5}) _{0.9} Mn _{0.1} TiO ₃	Madolappa S., Choudhary H.K., Punia N., Anupama A.V., Sahoo B.	Materials Chemistry and Physics	2021	
From Infection to Immunity: Understanding the Response to SARS-CoV2 Through In-Silico Modeling	Castiglione F., Deb D., Srivastava A.P., Lio P., Liso A.	Frontiers in Immunology	2021	

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Fecal pollution mediates the dominance of stochastic assembly of antibiotic resistance in an urban lagoon (Yundang lagoon), China	Hou L., Wang H., Chen Q., Su J.-Q., Gad M., Li J., Mulla S.I., Yu C.-P., Hu A.	Journal of Hazardous Materials	2021	
ON CHARACTERISTIC IDEAL BUNDLES OF A LIE ALGEBRA BUNDLE	Kumar R.	Journal of Algebra and Related Topics	2021	
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Microbiome analysis of the rhizosphere from wilt infected pomegranate reveals complex adaptations in fusarium—a preliminary study	Das A.J., Ravinath R., Usha T., Rohith B.S., Ekambaram H., Prasannakumar M.K., Ramesh N., Middha S.K.	Agriculture (Switzerland)	2021	
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Performance analysis of MR damper based semi-active suspension system using optimally tuned controllers	Tharehalli mata G., Mokenapalli V., Krishna H.	Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering	2021	
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Micro phasor measurement unit (μ PMU) placement for maximum observability in smart distribution network	Hampannavar S., Deepa B., Swapna M.	2021 IEEE PES/IAS PowerAfrica, PowerAfrica 2021	2021	
Highly efficient visible light driven photocatalytic activity of zinc/ferrite: Carbamazepine degradation, mechanism and toxicity assessment	Mohan H., Ramalingam V., Adithan A., Natesan K., Seralathan K.-K., Shin T.	Journal of Hazardous Materials	2021	
MHD slip flow and heat transfer of Cu-Fe ₃ O ₄ / ethylene glycol-based hybrid nanofluid over a stretching surface	Ezhil K., Thavada S.K., Ramakrishna S.B.	Biointerface Research in Applied Chemistry	2021	
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Particle swarm optimization tuned unified power flow controller for power oscillation reduction	Ananda M.H., Shivakumar M.R.	Indonesian Journal of Electrical Engineering and Computer Science	2021	
A self adaptive new crossover operator to improve the efficiency of the genetic algorithm to find the shortest path	Chattoraj M., Vinayakamurthy U.R.	Indonesian Journal of Electrical Engineering and Computer Science	2021	

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Investigation of luminescence spectroscopic characteristics in Eu ³⁺ -doped Zn ₂ SiO ₄ by Judd–Ofelt parameters	Prathibha K.N., Krishna R.H., Nagesh B.V., Prakashbabu D., Panigrahi B.S., Ananthanarayanan R.	Journal of Materials Science: Materials in Electronics	2021	
Ruthenium (III) catalysed and uncatalysed oxidation of tosemide by hexacyanoferrate (III) in aqueous alkaline medium: A kinetic comparative approach	Ravindra K.S., Shastry V.A., Kumar M., Nagarajaiah H., Ramyashree H.	Journal of the Indian Chemical Society	2021	
Evaluation of cell wall-associated direct extracellular electron transfer in thermophilic <i>Geobacillus</i> sp.	Gurumurthy D.M., Bilal M., Nadda A.K., Reddy V.D., Saratale G.D., Guzik U., Ferreira L.F.R., Gupta S.K., Savanur M.A., Mulla S.I.	3 Biotech	2021	
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Grading of Knee Osteoarthritis Using Convolutional Neural Networks	Sarvamangala D.R., Kulkarni R.V.	Neural Processing Letters	2021	
Bayesian learning scheme for sparse DOA estimation based on maximum-a-posteriori of hyperparameters	Raghu K., Prameela Kumari N.	International Journal of Electrical and Computer Engineering	2021	
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Secure efficient signature for internet of things over near-ring	Muthukumar V., Arun M., Satheesh Kumar S., Kumta S.D., Angeline Kavitha M., Vijayaraghavan R.	Journal of Physics: Conference Series	2021	
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Student Performance Appraisal System	Chindhe T.B., Patil B.M.	Proceedings of the 6th International Conference on Communication and Electronics Systems, ICCES 2021	2021	
Modeling and simulation for capacity fade prediction of lithium-ion battery	Bairwa B., Hampannavar S., Vishal K.S., Bhargavi K.M.	EUROCON 2021 - 19th IEEE International Conference on Smart Technologies, Proceedings	2021	
Wind speed assessment and techno-economic analysis of a community microgrid in warm and humid climate zone of India	Himabindu N., Hampannavar S., Swapna M., Patil K.N.	EUROCON 2021 - 19th IEEE International Conference on Smart Technologies, Proceedings	2021	
Adaptive data augmentation training based attention regularized densenet for diagnosis of thoracic diseases	Shetty R., Sarapadi P.N.	Indian Journal of Computer Science and Engineering	2021	
Public Key Encryption with Equality Test for Industrial Internet of Things Based on Near-Ring	Muthukumaran V., Manimozhi I., Sundar P.P.V., Karthikeyan T., Gopu M.	International Journal of e-Collaboration	2021	
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Enhanced visible light-driven photocatalysis of iron-oxide/titania composite: Norfloxacin degradation mechanism and toxicity study	Mohan H., Ramasamy M., Ramalingam V., Natesan K., Duraisamy M., Venkatachalam J., Shin T., Seralathan K.-K.	Journal of Hazardous Materials	2021	
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Development and mechanical characterisation of al6061-al2 o3-graphene hybrid metal matrix composites	Boppana S.B., Dayanand S., Murthy B.V., Nagaral M., Telagu A., Kumar V., Auradi V.	Journal of Composites Science	2021	
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Performance enhancement of PI-Controller using SVM for DFIG-grid interconnected system	Das M.C., Dash R., Swain S.C., Subburaj V.	2021 2nd International Conference for Emerging Technology, INCET 2021	2021	
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Microstructural and Mechanical Characterization of Spark-Plasma-Sintered Compact of Al-4.5 wt.% Cu Alloy Powder	Chandra Mohan H.K., Devaraj S., Narayana Swamy K.S.	Journal of Materials Engineering and Performance	2021	
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IoT-based automated pond water quality monitoring system for aquaculture farms	Menon A.G., Prabhakar M.	Proceedings of the 2021 8th International Conference on Computing for Sustainable Global Development, INDIACom 2021	2021	
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A review on effect of processing parameters on mechanical properties of MMCs by friction stir process	Florence D.P.L., Sai P.H.V.S.T., Devaraj S., Narayanaswamy K.S.	AIP Conference Proceedings	2021	
Deep convolutional neural strategy for detection and prediction of melanoma skin cancer	Dandu R., Jayakameshwaraiiah, Ravi Kumar Y.B.	Biomedical Engineering - Applications, Basis and Communications	2021	
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Effect of waste foundry sand and fly ash on mechanical and fresh properties of concrete	Reshma T.V., Manjunatha M., Sankalpasri S., Tanu H.M.	Materials Today: Proceedings	2021	
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Microwave radiation induced performance modifications of dye-sensitized solar cells	Bharathi Devi S., Prakash Babu D., Naresh Kumar S., Ponkumar S.	Radiation Effects and Defects in Solids	2021	
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Effect of Mn codopant on thermoluminescence properties of γ -rays irradiated Na ₃ Y(PO ₄) ₂ :Dy phosphors for dosimetry applications	Munirathnam K., Nagajyothi P.C., Hareesh K., Kumar M.M., Dhole S.D.	Applied Physics A: Materials Science and Processing	2021	
Taylor rate-distortion trade-off and adaptive block search for HEVC encoding	Kumari R.D., Udupa A.N.	International Journal of Computational Vision and Robotics	2021	
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Atranorin, an antimicrobial metabolite from lichen Parmotrema rampoddense exhibited in vitro anti-breast cancer activity through interaction with Akt activity	Harikrishnan A., Veena V., Lakshmi B., Shanmugavalli R., Theres S., Prashantha C.N., Shah T., Oshin K., Togam R., Nandi S.	Journal of Biomolecular Structure and Dynamics	2021	
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Competitive removal mechanism to simultaneously incarcerate bisphenol A, triclosan and 4-tert-octylphenol within beta-cyclodextrin crosslinked citric acid used for encapsulation in polypropylene membrane protected-micro-solid-phase extraction	Hafiz Rozaini M.N., Saad B., Lim J.W., Yahaya N., Ramachandran M.R., Mohd Ridzuan N.D., Kiatkittipong W., Pasupuleti V.R., Lam S.M., Sin J.C.	Chemosphere	2022	
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Synthesis and biological evaluation of novel dialkyl (4-amino-5H-chromeno[2,3-d]pyrimidin-5-yl)phosphonates	Sreelakshmi P., Krishna B.S., Santhisudha S., Murali S., Reddy G.R., Venkataramaiah C., Rao P.V., Reddy A.V.K., Swetha V., Zyryanov G.V., Reddy C.D., Reddy C.S.	Bioorganic Chemistry	2022	
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Weather-based maize yield forecast in Saudi Arabia using statistical analysis and machine learning	Jayagopal P., Muthukumar V., Koti M.S., Kumar S.S., Rajendran S., Mathivanan S.K.	Acta Geophysica	2022	
Effect of MHD and viscosity variation on the couple stress squeeze film between curved circular plate and a flat porous plate	Salma A., Hanumagowda B.N.	Partial Differential Equations in Applied Mathematics	2022	
Structural, electrical, and magnetic properties of nano Sr _{1-x} La _x Fe ₁₂ O ₁₉ (X = 0.2–0.8)	Baba Basha D., Suresh Kumar N., Chandra Babu Naidu K., Ranjith Kumar G.	Scientific Reports	2022	
Stacked auto-encoders based visual features for speech/music classification	Kumar A., Solanki S.S., Chandra M.	Expert Systems with Applications	2022	
Vibrio cholerae O139 genomes provide a clue to why it may have failed to usher in the eighth cholera pandemic	Ramamurthy T., Pragasa A.K., Taylor-Brown A., Will R.C., Vasudevan K., Das B., Srivastava S.K., Chowdhury G., Mukhopadhyay A.K., Dutta S., Veeraraghavan B., Thomson N.R., Sharma N.C., Nair G.B., Takeda Y., Ghosh A., Dougan G., Mutreja A.	Nature Communications	2022	
Modeling and Simulation of Double Gate Dielectric Stack Silicon Substrate Memristor Circuits for Low Power Applications	Lakshmi Priya G., Rawat N., Abhishek S., Venkatesh M.	Silicon	2022	
Sonication-supported synthesis of cobalt oxide assembled on an N-MWCNT composite for electrochemical supercapacitors via three-electrode configuration	Nare R.K., Ramesh S., Basavi P.K., Kakani V., Bathula C., Yadav H.M., Dhanapal P.B., Kotanka R.K.R., Pasupuleti V.R.	Scientific Reports	2022	

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In-silico characterization of phytochemicals identified from Vitex negundo (L) extract as potential therapy for Wnt-signaling proteins	Gouthami K., Veeraraghavan V., Nagaraja P.	Egyptian Journal of Medical Human Genetics	2022	
A state-of-the-art review on the experimental investigations of bendable concrete	Solanki D.S., Kangda M.Z., Sarur S., Noroozinejad Farsangi E.	Journal of Building Pathology and Rehabilitation	2022	
Innovative feature selection and classification model for heart disease prediction	Nagarajan S.M., Muthukumar V., Murugesan R., Joseph R.B., Meram M., Prathik A.	Journal of Reliable Intelligent Environments	2022	
Effect of Heat and Mass Transfer on a Couple Stress Fluid in an Asymmetric Channel with Peristalsis	Sreegowrav K.R., Indira R., Dinesh P.A., Gayathri M.S.	AIP Conference Proceedings	2022	
A Study on Curved Circular Plates with Micropolar Fluids	Anagod R.R., Joghyalla S.K., Naganagowda H.B.	AIP Conference Proceedings	2022	
Effect of MHD Flow of a Casson Fluid in an Inclined Porous Channel Under Temperature Dependent Physical Parameters	Raju B.T., Satish R., Kumar J.S.	AIP Conference Proceedings	2022	
Effect of Non-Newtonian Ferrofluid on the Squeeze Film Performance of Curved Circular Plates	Joghyalla S.K., Shakilahammad, Naganagowda H.B., Allahbaksh S.	AIP Conference Proceedings	2022	
Non-Newtonian Ferrofluid Lubrication of Porous Annular Plates Under The Influence of Rotational Inertia	Joghyalla S.K., Naganagowda H.B., Ramanna P., Shivakumar V., Muniraju R.	AIP Conference Proceedings	2022	
Porous Rough Circular Stepped Plated Lubricated With Piezo-Viscous Dependency And Couple Stress Fluid	Vasanth K.R., Hanumagowda B.N.	AIP Conference Proceedings	2022	
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Impact of Side Friction on Saturation Flow at Signalized Intersections in Mixed Traffic Conditions	Sushmitha R., Srikanth S., Ravi Shankar K.V.R.	U.Porto Journal of Engineering	2022	
UPLC-ESI-Q-TOF-MSE-based metabolomics analysis of Acer mono sap and evaluation of osteogenic activity in mouse osteoblast cells	Natesan K., Srivalli T., Mohan H., Jayaprakash A., Ramalingam V.	Food and Function	2022	
Type II NdWO ₃ /g-C ₃ N ₄ n Heterojunction for Visible-Light-Driven Photocatalyst: Exploration of Charge Transfer in Nd ³⁺ -Ion-Doped WO ₃ /g-C ₃ N ₄ Composite	Kalidasan K., Mallapur S., Vishwa P., Kandaiah S.	Industrial and Engineering Chemistry Research	2022	
Histone deacetylase inhibitors as antidiabetic agents: Advances and opportunities	Sonthalia M., Roy B.S., Chandrawanshi D., Ganesh G.V., Jayasuriya R., Mohandas S., Rajagopal S., Ramkumar K.M.	European Journal of Pharmacology	2022	
Structural, electrical and dielectric properties of chitosan/polyaniline/vanadium-pentoxide hybrid nanocomposites	Prashanth S., Nagaraja M., Mokshanatha P.B., Pattar J., Manohara S.R., Sunil K.	Journal of Molecular Structure	2022	

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High-Energy-Density Asymmetric Supercapacitor Based on Layered-Double-Hydroxide-Derived CoNi ₂ S ₄ and Eco-friendly Biomass-Derived Activated Carbon	Siddiqa A., Nagaraju D.H., Padaki M.	Energy and Fuels	2022	
Design of IOT Enabled Integrative Biosensor to Detect Toxic Heavy Metal Contaminants in Water Reservoirs	Thirumala Akash K., Upendra R.S., Samvrudhi K., Ahmed M.R.	Water and Energy International	2022	
Using Multi-Label Multi-Class Support Vector Machines with Semantic and Lexical Features for Aspect Category Detection	Shanmugapriya G., Manasa Y., Mohammad A.B., Hasane Ahammad Sk.	International Journal on Recent and Innovation Trends in Computing and Communication	2022	
Tuning the Surface Functionality of Fe ₃ O ₄ for Sensitive and Selective Detection of Heavy Metal Ions	Manjunatha Kumara K.S., Nagaraju D.H., Yhobu Z., Nayan Kumar H.N., Budagumpi S., Kumar Bose S., Shivakumar P., Palakollu V.N.	Sensors	2022	
Dynamic Traveling Route Planning Method for Intelligent Transportation Using Incremental Learning-Based Hybrid Deep Learning Prediction Model with Fine-Tuning	Kamble S.J., Kounte M.R.	Transport and Telecommunication	2022	
Design and Analysis of DFIG-STATCOM Coordinated P2P Grid Connected System Using RMSProp	Hete R.R., Mishra S.K., Dash R., Jyotheeswara Reddy K., Subburaj V., C.D.	Sustainability (Switzerland)	2022	
Windmill Global Sourcing in an Initiative Using a Spherical Fuzzy Multiple-Criteria Decision Prototype	Raizah Z., Kodipalya Nanjappa U.K., Ajjipura Shankar H.U., Khan U., Eldin S.M., Kumar R., Galal A.M.	Energies	2022	
A novel and comprehensive mechanism for the energy management of a Hybrid Micro-grid System	Sayeed F., Hanumanthakari S., Oommen S., Anitha G., Hemavathi S., Pundir A.K.S., Sudhakar M., Sathyamurthy R., Mohanavel V.	Energy Reports	2022	
Performing the classification of pulsation cardiac beats automatically by using CNN with various dimensions of kernels	Alagarsamy M., Vedam J.M.J., Shanmugam N., Eswaran P.M., Sankaraiyer G., Suriyan K.	International Journal of Reconfigurable and Embedded Systems	2022	
Adaptive control-based Isolated bi-directional converter for G2V & V2G charging with integration of the renewable energy source	Singirikonda S., Obulesu Y.P., Kannan R., Reddy K.J., Kiran Kumar G., Alhakami W., Baz A., Alhakami H.	Energy Reports	2022	
A critical review on biomass-based sustainable biorefineries using nanobiocatalysts: Opportunities, challenges, and future perspectives	Saratale R.G., Cho S.-K., Bharagava R.N., Patel A.K., Varjani S., Mulla S.I., Kim D.S., Bhatia S.K., Ferreira L.F.R., Shin H.S., Saratale G.D.	Bioresource Technology	2022	
Design and Development of a Ceramic-Based MIMO Filtenna with Circular Polarization Features	Narayanaswamy N.K., Rashmi Priyadarshini B.K., Rani B.A., Anjum N., Jyothi S.K., Dwivedi A.K.	Journal of Electronic Materials	2022	
Recent advances in on-site monitoring of heavy metal ions in the environment	Nayan Kumar H.N., Nagaraju D.H., Yhobu Z., Shivakumar P., Manjunatha Kumara K.S., Budagumpi S., Praveen B.M.	Microchemical Journal	2022	
Hybrid optimization enabled deep learning technique for multi-level intrusion detection	G. S. R. E.S., Azees M., Rayala Vinodkumar C.H., Parthasarathy G.	Advances in Engineering Software	2022	

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Effect of triethanolamine and sodium hexametaphosphate on formation, growth and breakdown of passive layer in concrete pore solution	Mandal S., Singh J.K., Mallapur S., Lee D.-E., Park T.	Journal of Building Engineering	2022	
Seismic Performance Upgrade of Elevated Water Tanks Utilizing Friction Dampers	Kangda M.Z., Bakre S., Kancharla H., Noroozinejad Farsangi E.	Practice Periodical on Structural Design and Construction	2022	
BiLaWO ₆ : Er ³⁺ /Tm ³⁺ /Yb ³⁺ phosphor: Study of multiple fluorescence intensity ratiometric thermometry at cryogenic temperatures	Pavani K., Neves A.J., Pinto R.J.B., Freire C.S.R., Soares M.J., Graca M.P.F., Kumar K.U., Jakka S.K.	Ceramics International	2022	
Synthesis and characterization of paraffin wax with carbon nanotubes and magnesium oxide	Venugopal J., Prathap L., Rao C.M.M.P., Alagesan J., Manjunatha L.H., Gangodkar D., Mohanavel V., Sathyamurthy R.	Energy Reports	2022	
Fake Review Detection and Emotion Recognition Based on Semantic Feature Selection with Bi-Directional Long Short Term Memory	Reddy R., Motagi A.U.	International Journal of Intelligent Engineering and Systems	2022	
Bromo-protopine, a novel protopine derivative, alleviates tau pathology by activating chaperone-mediated autophagy for Alzheimer's disease therapy	Sreenivasmurthy S.G., Iyaswamy A., Krishnamoorthi S., Reddi R.N., Kammala A.K., Vasudevan K., Senapati S., Zhu Z., Su C.-F., Liu J., Guan X.-J., Chua K.-K., Cheung K.-H., Chen H., Zhang H.-J., Zhang Y., Song J.-X., Kumar Durairajan S.S., Li M.	Frontiers in Molecular Biosciences	2022	
Surface Thermal Behavior and RT CO Gas Sensing Application of an Oligoacene naphthylene with p-Hydroxyphenylacetic Acid Composite	Basivi P.K., Hamieh T., Pasupuleti K.S., Pasupuleti V.R., Rao V.N., Kim M.-D., Kim C.W.	ACS Omega	2022	
MHD on convective mass transfer in annular flow: Catheter based drug release	Deshapande P.K., Rao I.R., Thavada S.K.	Biointerface Research in Applied Chemistry	2022	
Implementation of biological fuel cells in treating pharmaceutical effluents	Chandrashekhar P., Harshitha G.K., Ramanjinappa R., Manjula K.R., Mayegowda S.B.	Microbial Fuel Cell: Electricity Generation and Environmental Remediation	2022	
An overview of modelling and power management in microbial fuel cells	Mohanty M., Panda A., Prusty S.B., Padhee S.	Microbial Fuel Cell: Electricity Generation and Environmental Remediation	2022	
Efficient key exchange protocol for industrial internet of things	Muthukumaran V., Joseph R.B., Kumar S.S., Kumta D.S., Vijayaraghavan R.	AIP Conference Proceedings	2022	
Energy management system for charging stations for electric and hydrogen vehicles using solar, hydrogen and fuel cell technology	Raj E.F.I., Saravanan A., Durairaj U., Selvakumar S., Sagar B.S., Ganavi M., Pavithra G.	AIP Conference Proceedings	2022	
Efficient authenticated key establishment protocol for telecare medicine information systems	Mahalakshmi, Kumar R.L., Ranjini K.S., Sindhu S., Udhayakumar R.	AIP Conference Proceedings	2022	
Off-Grid Based DOA Estimation Algorithm Using Auto-Regression (1) Sparse Bayesian Learning with Linear Interpolation Model	Karigowda R., Nagaraj P.K.	Mathematical Modelling of Engineering Problems	2022	

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Prediction of Cardiovascular Diseases by Integrating Electrocardiogram (ECG) and Phonocardiogram (PCG) Multi-Modal Features using Hidden Semi Markov Model	Patil P.B., Reddy V.B., Ashokumar P.S.	International Journal on Recent and Innovation Trends in Computing and Communication	2022	
[DECISION ALGORITHM FOR INTRA PREDICTION IN HIGH-EFFICIENCY VIDEO CODING (HEVC), 高效视频编码(HEVC)中的帧内预测决策算法]	Joy H.K., Kounte M.R.	Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University	2022	
Synthesis and characterization of plate like high surface area MgO nanoparticles for their antibacterial activity against Bacillus cereus (MTCC 430) and Pseudomonas aeruginosa (MTCC 424) bacteria	Rajagopalachar S., Pattar J., Mulla S.	Inorganic Chemistry Communications	2022	
Polyphenols and Their Nanoformulations: Protective Effects against Human Diseases	Anand S., Sowbhagya R., Ansari M.A., Alzohairy M.A., Alomary M.N., Almalik A.I., Ahmad W., Tripathi T., Elderderly A.Y.	Life	2022	
Dynamics of Heat Transfer Analysis of Convective-Radiative Fins with Variable Thermal Conductivity and Heat Generation: Differential Transformation Method	Ananth Subray P.V., Hanumagowda B.N., Varma S.V.K., Zidan A.M., Kbir Alou M., Raju C.S.K., Shah N.A., Junsawang P.	Mathematics	2022	
A dynamic approach for parameter tuning in genetic algorithm using crossover and mutation ratios	Chattoraj M., Vinayakamurthy U.R.	Indonesian Journal of Electrical Engineering and Computer Science	2022	
Classification of malware using multinomial linked latent modular double q learning	Kudrekar S.V., Murthy U.R.V.	Indonesian Journal of Electrical Engineering and Computer Science	2022	
Surface thermodynamic properties by reverse phase chromatography and visual traits using computer vision techniques on Amberlite XAD-7 acrylic-ester-resin	Kumar B.P., Hamieh T., Kakani V., Rao P.V., Pasupuleti K.S., Ramesh S., Kim M.-D., Kim C.W.	Polymers for Advanced Technologies	2022	
Spectrum trading and sharing in unmanned aerial vehicles based on distributed blockchain consortium system	Liu L., Shafiq M., Sonawane V.R., Murthy M.Y.B., Reddy P.C.S., Reddy K.M.N.C.K.	Computers and Electrical Engineering	2022	
Statistical features learning to predict the crop yield in regional areas	Ramanahalli P.P., Siddamallu H.K., Basavaraju R.K.Y.	International Journal of Electrical and Computer Engineering	2022	
Pyridine-functionalized N-heterocyclic carbene gold(I) binuclear complexes as molecular electrocatalysts for oxygen evolution reactions	Yhobu Z., Markandeya G.B., Malecki J.G., Srinivasa H.T., Keri R.S., Nagaraju D.H., Azam M., Al-Resayes S.I., Budagumpi S.	Applied Organometallic Chemistry	2022	
Recent development in chemosensor probes for the detection and imaging of zinc ions: a systematic review	Sadananda D., Mallikarjunaswamy A.M.M., Prashantha C.N., Mala R., Gouthami K., Lakshminarayana L., Ferreira L.F.R., Bilal M., Rahdar A., Mulla S.I.	Chemical Papers	2022	
An adaptive TS-fuzzy model based RBF neural network learning for grid integrated photovoltaic applications	Priyadarshi N., Sanjeevikumar P., Bhaskar M.S., Azam F., Taha I.B.M., Hussien M.G.	IET Renewable Power Generation	2022	

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Bioactivity and Pharmacological Potential of Date Palm (Phoenix dactylifera L.) Against Pandemic COVID-19: a Comprehensive Review	Ahmad Mohd Zain M.R., Abdul Kari Z., Dawood M.A.O., Nik Ahmad Ariff N.S., Salmuna Z.N., Ismail N., Ibrahim A.H., Thevan Krishnan K., Che Mat N.F., Edinur H.A., Abdul Razab M.K.A., Mohammed A., Mohamed Salam S.K.N., Rao P.V., Mohamad S., Hamat B., Zainal Abidin S., Seong Wei L., Ahmed Shokri A.	Applied Biochemistry and Biotechnology	2022	
Design, synthesis and molecular docking studies of some 1-(5-(2-fluoro-5-(trifluoromethoxy)phenyl)-1,2,4-oxadiazol-3-yl)piperazine derivatives as potential anti-inflammatory agents	Kulkarni B., Manjunatha K., Joy M.N., Sajith A.M., Prashantha C.N., Pakkath R., Alshammari M.B.	Molecular Diversity	2022	
Advances in Zinc and Magnesium Battery Polymer Cathode Materials	Shivakumar P., Manjunatha Kumara K.S., Bose S.K., Nagaraju D.H.	ACS Applied Energy Materials	2022	
UV-light-enhanced room temperature NO ₂ gas-sensing performances based on sulfur-doped graphitic carbon nitride nanoflakes	Basivi P.K., Pasupuleti K.S., Gelija D., Kim M.-D., Pasupuleti V.R., Kim C.W.	New Journal of Chemistry	2022	
Application of microbes in dye decolorization	Gouthami K., Lakshminarayana L., Veeraraghavan V., Bilal M., Bharagava R.N., Ferreira L.F.R., Rahdar A., Bankole P.O., Americo-Pinheiro J.H.-P., Mulla S.I.	Microbial Biotechnology: Role in Ecological Sustainability and Research	2022	
Resolving Topological Indices of Graphs	Sooryanarayana B., Chandrakala S.B., Roshini G.R., Kumar M.V.	Iranian Journal of Mathematical Chemistry	2022	
Correction to: New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases (Journal of Nanoparticle Research, (2021), 23, 11, (254), 10.1007/s11051-021-05370-7)	Qindeel M., Sabir F., Sargazi S., Mohammadzadeh V., Mulla S.I.	Journal of Nanoparticle Research	2022	
Price Volatility Spillovers in Commodities Market: An Analytical Study of Selected Commodities	Pillai R., Lokanadha Reddy M.	Finance India	2022	
SIMO DC-DC Converter for E-Vehicle and Regenerative Braking Based on Simulation and Model Investigation	Suresh S., Raghu C.N., Dash R., Kalvakurthi J.R., Athikkal S., Subburaj V.	Energies	2022	
Improving Efficiency of Large RFID Networks Using a Clustered Method: A Comparative Analysis	Pandian M.T., Chouhan K., Kumar B.M., Dash J.K., Jhanjhi N.Z., Ibrahim A.O., Abulfaraj A.W.	Electronics (Switzerland)	2022	
Early alert for sleep deprivation using mobile sensor data fusion	Sah D.K., Ravindra C., Cengiz K., Alshehri Y., Alnazzawi N., Ivkovic N.	Computers and Electrical Engineering	2022	
Experimental study for optimizing superfinishing process parameters of high-quality alloy bearing steel	Qasem I., Hussien A.A., Janvekar A.A., Kataraki P.S., Pracki M., Abdul Mujeebu M.	Surface Topography: Metrology and Properties	2022	
Ensemble of constraint handling techniques for PV parameter extraction using differential evolutionary algorithms	Puttaramaiah A.K., Geethanjali P.	International Journal of Power Electronics and Drive Systems	2022	

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Electrochemical corrosion behaviour of zinc and zinc-reduced graphene oxide coatings on mild steel in 3.5% NaCl solution	Dharanendra R.A., Prakash M.S., Sreenivasa S., Shivakumara S.	Bulletin of Materials Science	2022	
UV Photodetection from a p-n Junction-Based GLAD-Fabricated Au/n-TiO ₂ NW/p-Si Device	Deb P., Daimary S., Chetri P., Dhar J.C.	Journal of Electronic Materials	2022	
6G enabled federated learning for secure IoMT resource recommendation and propagation analysis	Ahmed S.T., Kumar V.V., Singh K.K., Singh A., Muthukumaran V., Gupta D.	Computers and Electrical Engineering	2022	
Application of artificial intelligence for university information system	Udupa P.	Engineering Applications of Artificial Intelligence	2022	
Novel laccase from Xylaria polymorpha and its efficiency in the biotransformation of pharmaceuticals: Optimization of operational conditions, comparative effect of redox-mediators and toxicity studies	Bankole P.O., Omoni V.T., Tennison-Omovoh C.A., Adebajo S.O., Mulla S.I., Adekunle A.A., Semple K.T.	Colloids and Surfaces B: Biointerfaces	2022	
Co-biomass degradation of fluoranthene by marine-derived fungi; Aspergillus aculeatus and Mucor irregularis: Comprehensive process optimization, enzyme induction and metabolic analyses	Bankole P.O., Taghohor Omoni V., Mulla S.I., Adebajo S.O., Adekunle A.A.	Arabian Journal of Chemistry	2022	
A comprehensive analysis of consumer decisions on Twitter dataset using machine learning algorithms	Pandi V., Nithyanandam P., Manickavasagam S., Meerasha I.M., Jaganathan R., Balasubramanian M.K.	IAES International Journal of Artificial Intelligence	2022	
Improving the classification accuracy of melanoma detection by performing feature selection using binary Harris hawks optimization algorithm	Bansal P., Vanjani A., Mehta A., Kavitha J.C., Kumar S.	Soft Computing	2022	
Autophagy and EMT in cancer and metastasis: Who controls whom?	Gundamaraju R., Lu W., Paul M.K., Jha N.K., Gupta P.K., Ojha S., Chattopadhyay I., Rao P.V., Ghavami S.	Biochimica et Biophysica Acta - Molecular Basis of Disease	2022	
Response Surface Methodology Based Optimization, Partial Purification and Characterization of Alkaline Phosphatase Isolated from Pseudomonas asiatica Strain ZKB1 and its Application in Plant Growth Promotion	Bagewadi Z.K., Yaraguppi D.A., Mulla S.I., Deshpande S.H.	Molecular Biotechnology	2022	
Algae bioprocess to deal with cosmetic chemical pollutants in natural ecosystems: A comprehensive review	Mishra P., Kiran N.S., Romanholo Ferreira L.F., Mulla S.I.	Journal of Basic Microbiology	2022	
Modeling and simulation of solar irrigation system with IM drive using PWM controller	Bairwa B., Kumar S., Niharika J., Sagar B.S., Nithyashree R., Prem Kumar S.	AIP Conference Proceedings	2022	
A compact frequency reconfigurable antenna for wireless applications using PIN diodes	Banuprakash R., Ganesh P., Subhash B.K.	AIP Conference Proceedings	2022	
A unified model linking time-domain and frequency-domain analyses to represent the components of active and non-active power	Pavan B., Divakar B.P.	AIP Conference Proceedings	2022	

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Design and simulation of high speed electronic circuit breaker	Burri A., Honnesh C.S., Sachin G., Ananda M.H., Bairwa B.	AIP Conference Proceedings	2022	
Comparative performance of insulating materials used in high voltage insulators	Rajini H., Ballaji A., Saahithi S., Bharat M., Ashwini Kumari P.	AIP Conference Proceedings	2022	
Solar and wave powered catamaran boat	Vageesha K., Hajeri S.S.P.S., Venkateshmurthy B.S.	AIP Conference Proceedings	2022	
Modelling and simulation of load sharing in microgrid control	Saahithi S., Bharat M., Rajini H., Bhargavi K.M., Ashwini Kumari P.	AIP Conference Proceedings	2022	
Ambulance booking system using GPS	Bhonsle V.S., Panchagnula V.K., Thota S., Perumalla V.S.V.K., Sanka P.V.T.	AIP Conference Proceedings	2022	
Power quality issues by nonlinear loads and use of K-rated transformer	Kumar S., Bairwa B., Hampannavar S., Ankaiah B.	AIP Conference Proceedings	2022	
Vitality recuperation from civic rigid squander	Charan Vishnu C., Ankaiah B., Ananda M.H., Loshan Kumar N.	AIP Conference Proceedings	2022	
Design and development desalination procedure to sea water using renewable sources	Venkatesh Murthy B.S., Santhoshkumar H., Nagesh H.	AIP Conference Proceedings	2022	
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Design of a standalone PV system for the all-weather condition: A practical approach	Ballaji A., Dash R., Rajini H., Bharat M., Pavan B.	AIP Conference Proceedings	2022	
Performance analysis of permanent magnet DC motor for marine vessel using fuel cell	Doddabasappa N., Satpathy S.S., Singh A.K., Bhatia N.K., Singh S., Anil Kumar D.B.	AIP Conference Proceedings	2022	
A non-isolated DC-DC converter with high gain in continuous conduction mode of operation	Doddabasappa, Akhil P.H., Dheeraj S., Irshad A., Thabaj A.V., Anil Kumar D.B.	AIP Conference Proceedings	2022	
Modeling and simulation of wireless electric vehicle charging using solar and wind energy	Nethra K., Bairwa B., Sai Kiran G.S., Tejas Gowda K.B., Tharun K.M., Yeshwanth V.	AIP Conference Proceedings	2022	
Survey and technical evaluations of various topologies of multilevel inverters	Narayana Swamy K., Divakar B.P.	AIP Conference Proceedings	2022	
Comparison of phase disposition SPWM control methods on capacitor clamped MLI	Narayana Swamy K., Rakesh M., Suprathick R.S., Abhishek G.R., Sunil	AIP Conference Proceedings	2022	
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Performance analysis of flat plate hybrid PV/thermal configurations	Babu C., Immanuel A., Jyotheeswara Reddy K., Kumar K., Ramaswamy S., Venkateswarlu S.	AIP Conference Proceedings	2022	
Optimization of electricity bill using smart hybrid charge controller for residential loads	Bharat M., Ramya P., Saahithi S., Rajini H.	AIP Conference Proceedings	2022	
Design of IoT based battery monitoring system	Sagar B.S., Bairwa B., Reddy K.K., Jyothi V., Keerthana R., Manasa R.	AIP Conference Proceedings	2022	
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Voice and hand gesture controlled robotic vehicle	Himabindu N, Anurag A., Balabheem, Singh B.K., Upadhyay B.	AIP Conference Proceedings	2022	
IoT based manhole cover management	Dwarakanath G.V., Sudarsanam P., Bhanuprakash R., Kushalappa T.S., Yadav A.	AIP Conference Proceedings	2022	
Design of superboost DC-DC converter with multiple input for EV application	Bharat M., Swapna C.H., Kiran M.B., Latha H.P., Nandini S.P., Kumar S.	AIP Conference Proceedings	2022	
Analysis of solar and wind potential in e-mobility application	Gopinath A., Daulayal S., Kori A., Vasudha Lakshmi P.A., Mudeeb P.	AIP Conference Proceedings	2022	
Design and implementation of fast charging system for electrical vehicle	Saahithi S., Kavya K., Kishore R., Manasa R., Nagesh	AIP Conference Proceedings	2022	
Editorial: Regulatory action of calcium channels in pain pathway	Rajagopal S., Kumar D.P., Arul A.B.	Frontiers in Cellular Neuroscience	2022	
Mechanical and tribological characteristics of aluminium 2618 matrix composite reinforced with boron carbide	Chikkegouda S.P., Gurudath B., Sharath B.N., Karthik S., Mahale R.S.	Biointerface Research in Applied Chemistry	2022	
Voltammetric determination of various food azo dyes using different modified carbon paste electrodes	Mahale R.S., Shashanka R., Vasanth S., Vinaykumar R.	Biointerface Research in Applied Chemistry	2022	
AI-driven Real-time System for Land Surveillance and Reconnaissance	Shahnoor S.F., Suthar K., Kumar R., Rathore M., Biradar R.C., Cholachgudda K.	ACM International Conference Proceeding Series	2022	
[TRANSFER LEARNING WITH PIX2PIX GAN FOR GENERATING REALISTIC PHOTOGRAPHS FROM VIEWED SKETCH ARTS, 使用像素2像素GAN进行迁移学习, 从查看的素描艺术中生成逼真的照片]	Raghavendra M.K.S., Sarappadi P.N.	Xinan Jiaotong Daxue Xuebao/Journal of Southwest Jiaotong University	2022	
A Fuzzy AHP-Fuzzy TOPSIS Urged Baseline Aid for Execution Amendment of an Online Food Delivery Affability	Ajjipura Shankar H.U., Kodipalya Nanjappa U.K., Alsulami M.D., Prasannakumara B.C.	Mathematics	2022	
A Mouse Model with Ablated Asparaginase and Isoaspartyl Peptidase 1 (Asrg11) Develops Early Onset Retinal Degeneration (RD) Recapitulating the Human Phenotype	Biswas P., Berry A.M., Zawaydeh Q., Bartsch D.-U.G., Raghavendra P.B., Hejtmancik J.F., Khan N.W., Riazuddin S.A., Ayyagari R.	Genes	2022	
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Targeted metagenome sequencing reveals the abundance of Planctomycetes and Bacteroidetes in the rhizosphere of pomegranate	Ravinath R., Das A.J., Usha T., Ramesh N., Middha S.K.	Archives of Microbiology	2022	
Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks	Kumar B.M., Guduru R.K.R., Srinivas A., Ana F., Ramudu K., Dhiman G.	Optical and Quantum Electronics	2022	
Bicycle safety index for bicycle level of service on urban streets with extreme mixed weather conditions	Adinarayana B., Kasinayana B.	Innovative Infrastructure Solutions	2022	

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Statistical device simulations of III-V nanowire resonant tunneling diodes as physical unclonable functions source	Rezaei A., Maciazek P., Sengupta A., Dutta T., Medina-Bailon C., Asenov A., Georgiev V.P.	Solid-State Electronics	2022	
Optimal state estimation techniques for accurate measurements in internet of things enabled microgrids using deep neural networks	Padupanambur S.R., Ahmed M.R., Divakar B.P.	International Journal of Electrical and Computer Engineering	2022	
Synergistic effect on the performance of ash-based bricks with glass wastes and granite tailings along with strength prediction by adopting machine learning approach	Praburanganathan S., Chithra S., Simha reddy Y.B.	Environmental Science and Pollution Research	2022	
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(Zn, Ni)-ferrite nanoparticles for promoted osteogenic differentiation of MC3T3-E1 cells	Mohan H., Karthi N., Muthukumar Sathya P., Ramalingam V., Thimmarayan S., Hossain M.A., Aravinthan A., Shin T.	Journal of Industrial and Engineering Chemistry	2022	
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A Two-Step Horizon Optimum Switching Vector-Model Predictive Control with a Novel Shunt Active Filter Reference Current Extraction	Cheepati K.R., Rivera M., Wheeler P., Subburaj V., Krishnan S., Daram S.B., Amaresh K.	Journal of Circuits, Systems and Computers	2022	
Intelligent recognition system for viewpoint variations on gait and speech using CNN-CapsNet	Merlin Linda G., Sree Rathna Lakshmi N.V.S., Murugan N.S., Mahapatra R.P., Muthukumaran V., Sivaram M.	International Journal of Intelligent Computing and Cybernetics	2022	
Development of Blue-green infrastructure framework to restore nallahs (dirty drains) to nadis (streams), in India	Pusalkar V., Swamy V., Shivapur A.	E3S Web of Conferences	2022	
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High Temperature Corrosion Behavior of High Velocity Oxy Fuel Sprayed NiCrMoFeCoAl-30%SiO ₂ and NiCrMoFeCoAl-30%Cr ₂ O ₃ Composite Coatings on ASTM SA213-T22 Steel in a Coal-fired Boiler Environment	Patil V.G., Somasundaram B., Kandaiah S., Ramesh M.R., Kumar S.	International Journal of Engineering, Transactions A: Basics	2022	
Signature-based Traffic Classification for DDoS Attack Detection and Analysis of Mitigation for DDoS Attacks using Programmable Commodity Switches	Yerriswamy T., Murtugudde G.	International Journal of Performability Engineering	2022	

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DEVELOPMENT OF LANE CHANGE MODELS THROUGH MICROSCOPIC SIMULATION UNDER MIXED TRAFFIC	Srikanth S., Mehar A.	Jurnal Teknologi	2022	
Underground blast effects on structural pounding	Kangda M.Z., Mate N., Bakre S.	Earthquake Engineering and Engineering Vibration	2022	
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Perspectives of conducting polymer nanostructures for high-performance electrochemical capacitors	Samtham M., Singh D., Hareesh K., Devan R.S.	Journal of Energy Storage	2022	
Design and analysis of 28 GHz CMOS low power LNA with 6.4 dB gain variability for 5G applications	Roobert A.A., Arunodhayamary P.S., Rani D.G.N., Venkatesh M., Julius L.J.	Transactions on Emerging Telecommunications Technologies	2022	
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Effect of Cutout on the Stability and Failure of Laminated Composite Cylindrical Panels Subjected to In-Plane Pulse Loads	Keshav V., Patel S.N., Kumar R., Watts G.	International Journal of Structural Stability and Dynamics	2022	
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Improved photocatalytic activity of TiO ₂ nanoparticles through nitrogen and phosphorus co-doped carbon quantum dots: an experimental and theoretical study	Yashwanth H.J., Rondiya S.R., Dzade N.Y., Hoye R.L.Z., Choudhary R.J., Phase D.M., Dhole S.D., Hareesh K.	Physical Chemistry Chemical Physics	2022	

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Polypyrrole Coated Multiwalled Carbon Nanotube Hybrids for Corrosion Inhibition	Madhusudhan C.K., Kumar R.S.P., Faisal M., Mahendra K., Raghavendra N., Vasantha V.T.	Colloid Journal	2022	
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MOBILE PAYMENT ADOPTION AMONG YOUTH: GENERATION Z AND DEVELOPING COUNTRY PERSPECTIVE	Purohit S., Kaur J., Chaturvedi S.	Journal of Content, Community and Communication	2022	
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GC-MS analysis, molecular Docking and pharmacokinetic studies of various bioactive compounds from methanolic leaf extracts of <i>Leucas aspera</i> (L) against anti - Capripox viral activity	Burranboina K.K., Kumar K.M., Manjunatha Reddy G.B., Yogisharadhya R., Prashantha C.N., Dhulappa A.	Chemical Data Collections	2022	
A spongy <i>Rhizophora mucronata</i> derived ultra-high surface area activated carbon for high charge density supercapacitor device	Siddiqa A., Sherugar P., Nagaraju D.H., Padaki M.	Journal of Energy Storage	2022	
Evolutionary model to guarantee quality of service for tactical worldwide interoperability for microwave access networks	Huchappa R., Patil K.K.	IAES International Journal of Artificial Intelligence	2022	
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A novel block chain based cluster head authentication protocol for machine-type communication in LTE network: Statistical analysis on attack detection	Krishna Jyothi K., Chaudhari S.	Journal of King Saud University - Computer and Information Sciences	2022	
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Comparative study of nitrogen doped multi walled carbon nanotubes grafted with carboxy methyl cellulose hybrid composite by inverse gas chromatography and its UV photo detectors application	Kumar B.P., Rao P.V., Hamieh T., Kim C.W.	Journal of Chromatography A	2022	
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Performance Evaluation of Solar-PV-Based Non-Isolated Switched-Inductor and Switched-Capacitor High-Step-Up Cuk Converter	Priyadarshi N., Bhaskar M.S., Azam F., Singh M., Dhaked D.K., Taha I.B.M., Hussien M.G.	Electronics (Switzerland)	2022	
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Intrusion detection in big data using hybrid feature fusion and optimization enabled deep learning based on spark architecture	M .P . R., Reddy P.V.B., Thirukrishna J.T., Vidyadhari C.	Computers and Security	2022	
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Pounding in Base-Isolated Buildings Subjected to Underground Blasting	Kailas A., Bakre S., Kangda M.Z.	Practice Periodical on Structural Design and Construction	2022	
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Data privacy preservation in MAC aware Internet of things with optimized key generation	Kalyani G., Chaudhari S.	Journal of King Saud University - Computer and Information Sciences	2022	
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Color tunable SrZrO ₃ :Sm ³⁺ nanopowders with satisfactory photoluminescent, band engineering properties for warm white LEDs and advanced forensic applications	Sushma K.C., Kumar S., Nagaraju G., Aarti D.P., Reddy M.B.M., Rudresha M.S., Basavaraj R.B.	Journal of Molecular Structure	2022	
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Improved Technique for Preserving Privacy While Mining Real Time Big Data	Chandrakar I., Hulipalled V.R.	International Journal of Communication Networks and Information Security	2022	
Comparative Study of Grain Size and Mechanical Properties of Die-cast and Spray Formed Al-4.5 wt. % Cu Alloys Deposit	Narayana Swamy K.S., Devaraj S., Chandra Mohan H.K.	Metallography, Microstructure, and Analysis	2022	

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Preparation of self-assembled porous flower-like nanostructured magnetite (Fe ₃ O ₄) electrode material for supercapacitor application	Manikandan N., Lakshmi B., Shivakumara S.	Journal of Solid State Electrochemistry	2022	
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Third-order nonlinear optical characteristics of Er ³⁺ -doped BaMoO ₄ nanostructures	Sharath R.A., Rahulan K.M., Flower N.A.L., Sujatha R.A., Vinitha G., Rajeev L.R., Saha T., Prakashbabu D.	Journal of Materials Science: Materials in Electronics	2022	
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Unravelling the Molecular Interaction of Pentoxifylline with Calf Thymus DNA: A Multitechnique Approach	Mallappa M., Savanur M.A., Gowda B.G., Reddy M.B.M., Mulla S.I.	ChemistrySelect	2022	
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Hepatoprotective Potential of Malaysian Medicinal Plants: A Review on Phytochemicals, Oxidative Stress, and Antioxidant Mechanisms	Venmathi Maran B.A., Iqbal M., Gangadaran P., Ahn B.-C., Rao P.V., Shah M.D.	Molecules	2022	
Electrochemical capacitance performance of high surface area, porous hematite (α -Fe ₂ O ₃) nanorods	Manikandan N., Lakshmi B., Shivakumara S.	Journal of Materials Science: Materials in Electronics	2022	
Predicting invasive ductal carcinoma tissues in whole slide images of breast Cancer by using convolutional neural network model and multiple classifiers	Deepa B.G., Senthil S.	Multimedia Tools and Applications	2022	
Multiresidue pesticide analysis in green chilli using GC-MS/MS using modified QuEChERS method with highly efficient Fe ₃ O ₄ @CFR@GO nanocomposite	Khetagoudar M.C., Jinendra U., Praveen Kumar A., Bilehal D., Prasad Kollur S.	Inorganic Chemistry Communications	2022	
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Experimental Investigation on the Performance of Different Cutting Fluids on Cutting Force During Turning of Duplex Stainless Steel-2205 under MQL Technique	Kumar S.T.P., Prasada H.P.T., Nagamadhu M., Pattar N., Kivade S.B., Sachinkumar, Ravichandra K.R., Hanumanthlal S.	Mathematical Modelling of Engineering Problems	2022	
Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities	Saratale R.G., Cho S.-K., Saratale G.D., Kadam A.A., Ghodake G.S., Magotra V.K., Kumar M., Bharagava R.N., Varjani S., Palem R.R., Mulla S.I., Kim D.-S., Shin H.-S.	Polymers	2022	
Impact of Single Amino Acid Substitutions in Parkinsonism-Associated Deglycase-PARK7 and Their Association with Parkinson's Disease	Anjum F., Joshia N., Mohammad T., Shafie A., Alhumaydhi F.A., Aljasir M.A., Shahwan M.J.S., Abdullaev B., Adnan M., Elsbali A.M., Pasupuleti V.R., Hassan M.I.	Journal of Personalized Medicine	2022	
Tele-robotic recommendation framework using multi-dimensional medical datasets on COVID-19 classification	Al-Shammari N.K., Almansour H.B., Basha S.M., Ahmed S.T.	International Journal of Advanced and Applied Sciences	2022	
Platinum Coatings on SS304: Photocatalytic Dye Degradation Application	Devendra B.K., Praveen B.M., Tripathi V.S., Nagaraju G., Nayana K.O., Nagaraju D.H.	Iranian Journal of Science and Technology, Transaction A: Science	2022	
Distributed ARC Structure for Performance Optimization of Phase-Change Material-Based Tunable Photodetection	Srivastava V., Sunny	Journal of Electronic Materials	2022	
Evolutionary tree-based quasi identifier and federated gradient privacy preservations over big healthcare data	Krishna S., Murthy U.V.	International Journal of Electrical and Computer Engineering	2022	
Bioelectrochemical technologies for removal of xenobiotics from wastewater	Gupta S.K., Rachna, Singh B., Mungray A.K., Bharti R., Nema A.K., Pant K.K., Mulla S.I.	Sustainable Energy Technologies and Assessments	2022	
Spectral change and far-red emission of Mn ²⁺ ions co-doped NaSrB ₅ O ₉ :Dy ³⁺ luminescence material for plant growth LEDs	Munirathnam K., Mallikarjuna K., Vijaya R., Nagajyothi P.C., Reddy K.R., Srinivas M.	Journal of Rare Earths	2022	
Decolorization of amaranth RI and fast red E azo dyes by thermophilic Geobacillus thermoleovorans KNG 112	Rajashekarappa K.K., Mahadevan G.D., Neelagund S.E., Sathynarayana M., Vijaya D., Mulla S.I.	Journal of Chemical Technology and Biotechnology	2022	
Approaches of overproduction and purification of pleurotus laccase for the treatment of sugarcane vinasse	Junior J.A., da Silva Vilar D., Santana C.E.M., Bharagava R.N., Bilal M., Mulla S.I., Arora P.K., Lima A.S., de Souza R.L., Ferreira L.F.	Innovative Bio-Based Technologies for Environmental Remediation	2022	
Recent advances in the chemistry of the phosphoethynolate and arsaethynolate anions	Basappa S., Bhawar R., Nagaraju D.H., Bose S.K.	Dalton Transactions	2022	
Examining the structural relationship between employee branding, TQHRM and sustainable employability outcome in Indian organized retail	Itam U.J., Swetha M.	TQM Journal	2022	

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A review: electrical and gas sensing properties of polyaniline/ferrite nanocomposites	Ramakrishnaiah T., Gunderi Dhananjaya P., Vakwadi Sainagesh C., Reddy S., Kumaraswamy S., Chikkahanumajja Surendranatha N.	Sensor Review	2022	
Retraction Note: An efficient human tracking system using Haar-like and hog feature extraction (Cluster Computing, (2019), 22, S2, (2993-3000), 10.1007/s10586-018-1747-5)	Prasanna D., Prabhakar M.	Cluster Computing	2022	
Nanosized Emulsion System: A Comprehensive Tool Towards Controlling Vector Mosquito Populations	Mishra P., Chandrasekaran N., Mukherjee A., Tyagi B.K.	Genetically Modified and other Innovative Vector Control Technologies: Eco-bio-social Considerations for Safe Application	2022	
Efficient Re-configurable Multiply and Accumulate Unit for Convolutional Neural Network	Chintapoodi P., Thirumuru R., Muzammil Parvez M., Mohammad A.B., Sudhagar G.	Proceedings - 2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems, ICMACC 2022	2022	
Interference Aware Routing in 5G Backhaul Wireless Mesh Networks	Benni N.S., Manvi S.S.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Flight Delay Prediction for Indian Air Carriers with Explainable Artificial Intelligence	Singh J., Jayaprakash M.D., Agarwal R.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Insights on Assessing Image Processing Approaches Towards Health Status of Plant Leaf	Harsha R., Veena K.V.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Social Media Event Summarization using Neural Networks	Yadala S., Gurram A., Yamunadevi S., Veeresh U., Latha S.B., Chitti T.N.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
A Survey of Saga Frameworks for Distributed Transactions in Event-driven Microservices	Koyya K.M., Muthukumar B.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Detection of Malicious Nodes in Flying Ad-hoc Network with Supervised Machine Learning	Tangade S., Kumar R.A., Malavika S., Monisha S., Azam F.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Waste Segregation using IoT and Image Recognition	Rashmi C., Jha R.K., Chatterjee R., Kamthane S.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Road Condition Monitoring and Information System: Survey	Kodabagi M., Pavithra S., Bhavana N., Rakshitha H.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Product Affinity Analysis to Increase Sales using Machine Learning	Joseph S., Mithun D.J., Agarwal R.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	

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Electrical Equivalent Circuit Modeling of Lithium-Ion Battery	Bairwa B., Pareek K., Manohar K.A., Nanditha Varshini E.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Recent Security Challenges in Agriculture Applications in Smart Agriculture: A Survey	Kavya M., Geetha D.D.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
Fertilizer Quality Assessment Methods for Sustainable Agriculture	Thirumala Akash K., Upendra R.S., Ahmed M.R., Mathias S., Ananya R., Nayak D., Bhaskar S., Dabke Y.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
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Analysis on Attributes of Software Defined Radio for Space Communication	Anil Kumar S.C., Devanathan M., Chaithra T., Divya M.L., Anitha H., Kumar A.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
EV Home Charging Infrastructure & Low Battery AI Algorithm	Sharma D.K., Harsha Vardhan B.K., Hulipalled V.R.	Proceedings of the 3rd International Conference on Smart Technologies in Computing, Electrical and Electronics, ICSTCEE 2022	2022	
A Monocular Camera Depth Estimate Approximation using Deep learning	Rajanna, Agarwal R., Simha J.B.	2022 International Conference on Futuristic Technologies, INCOFT 2022	2022	
Customer Following Trolley using ESP32	Ranjith R., Naveen S.	2022 International Conference on Futuristic Technologies, INCOFT 2022	2022	
Virtual Air Canvas Using OpenCV and Mediapipe	Ramachandra H.V., Balaraju G., Deepika K., Navya M.S., Sebastian S.R.	2022 International Conference on Futuristic Technologies, INCOFT 2022	2022	
Analysis of Principal Component Analysis Algorithm for Various Datasets	Naveen S., Omkar A., Goyal J., Gaikwad R.	2022 International Conference on Futuristic Technologies, INCOFT 2022	2022	
MOBILE PHONE RECOMMENDER USING MULTI CRITERIA DECISION MAKING ALGORITHM	Ragaventhiran J., Sindhuja M., Prasath N., Muthu Kumar B., Islabudeen M.	Malaysian Journal of Computer Science	2022	
AN UNSUPERVISED MALWARE DETECTION SYSTEM FOR WINDOWS BASED SYSTEM CALL SEQUENCES	Ragaventhiran J., Vigneshwaran P., Kodabagi M.M., Ahmed S.T., Ramadoss P., Megantoro P.	Malaysian Journal of Computer Science	2022	
Design and analysis of EV Charging Station using PV Integrated Battery System	Ballaji A., Dash R., Subburaj V., Reddy K.J., Swain S.C., Bharat M.	2022 International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2022	2022	

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Implementation of Synthetic Artificial Human Like Voice Over Robotic Voice	Mithun S., Niharika P., R Bharamagoudra M.	2022 International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2022	2022	
Analysis of Low Power DC-Motor Drive Control Using Fractional Order PI Controller	Amarkhed M.S., Dash R., Rachana M.S., Muktheesh A., Meghana K., Swain S.C.	2022 International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2022	2022	
Design and Analysis of MPPT using Advanced PSO based on Fuzzy Fokker Planck Solution under Partial Shading Condition	Patnaik B., Swain S.C., Ballaji A., Dash R.	2022 International Conference on Smart Generation Computing, Communication and Networking, SMART GENCON 2022	2022	
Design and Development of Negative Conversion Ratios Using Capacitor Topology by Selecting Different Arbitrary Condition	Saahithi S., Naveenya N., Sonika S.R., Sree H.N., Gagandeepa S.D., Subburaj V.	Proceedings - 2nd International Conference on Next Generation Intelligent Systems, ICNGIS 2022	2022	
Enhancement of Water Purification Process Using Smart IoT Monitoring System	Thirumala Akash K., Vinay S.V., Ahmed M.R.	Proceedings - 2022 4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2022	2022	
Smart Fire Detection System with Call Alert and Water Sprinkler Unit Using IoT	Ranjith R., Naveen S.L.	Proceedings - 2022 4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2022	2022	
Network Intrusion Detection System using ML	Kumar R., Nalband A.H.	Proceedings - 2022 4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2022	2022	
Foretelling of space-time PM2.5Air pollutant using Machine Learning	Mahalakshmi, MAbdul Haq N.	Proceedings - 2022 4th International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2022	2022	
INFLUENCE OF FLY ASH AND ALCCOFINE ON VARIOUS PROPERTIES OF SELF-COMPACTING CONCRETE	Muralidhar A., Tengli S.K.	Journal of the Balkan Tribological Association	2022	
FEATURE ENGINEERING WITH SENTENCE SIMILARITY USING THE LONGEST COMMON SUBSEQUENCE FOR EMAIL CLASSIFICATION	Kumara B.A., Kodabagi M.M.	Malaysian Journal of Computer Science	2022	
Introduction to polymeric nanomaterials	Gouthami K., Lakshminarayana L., Faniband B., Veeraraghavan V., Bilal M., Bhargava R.N., Ferreira L.F.R., Rahdar A., Kakkameli S., Mulla S.I.	Smart Polymer Nanocomposites: Design, Synthesis, Functionalization, Properties, and Applications	2022	
Electrode materials for EDLC and pseudocapacitors	Ashritha M.G., Hareesh K.	Smart Supercapacitors: Fundamentals, Structures, and Applications	2022	
Heart Disease Prediction and Classification Using Machine Learning and Transfer Learning Model	Sivaprasad R., Hema M., Ganar B.N., Sunil D.M., Mehta V., Fahlevi M.	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings	2022	
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Design & study of quadrature hybrid 4 port network for matching, isolation, and coupling around the operating frequency	Pradeep Kumar K., Kiran Kumar A., Srinidhi N.N., Itagi S.	International Interdisciplinary Humanitarian Conference for Sustainability, IIHC 2022 - Proceedings	2022	
Locating Cyberbullying and Mental Health in the Recent Literature	Mubashir M., Nasrin T.	Tripodos	2022	
A Novel Approach of Smart Contract based Distributed Ledger Technology using Deep Learning Techniques to Secure Medical Images	Chandini A.G., Basarkod P.I.	IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022	2022	
Development of Solar Coupled Synchronous Buck Converter	Potturi S., Bairwa B., Mallikarjuna K., Mayur C.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Anomaly Detection in Surveillance Videos Using Deep Learning	Nithesh K., Tabassum N., Geetha D.D., Kumari R.D.A.	IEEE International Conference on Knowledge Engineering and Communication Systems, ICKES 2022	2022	
Feature Selection Based Naïve Bayes Algorithm for Twitter Sentiment Analysis	Aruna T.M., Asha K., Divyaraj G.N., Pareek P.K.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Development of IoT Based GSM Controller for Agriculture Applications	Bairwa B., Reddy K.Y., Deva D., Kavya K., Manohar K.A.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Comparative Analysis of Deepfake Video Detection Using Inception Net and Efficient Net	Geetha Rani E., Mounika E., Gopala Krisnan C., Bellam T., Bhuvaneshwari P., Rengaraju K.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
A Practical Approach of Recognizing and Detecting Traffic Signs using Deep Neural Network Model	Geetha Rani E., Bellam T., Mounika E., Bhuvaneshwari P., Gopala Krishnan C., Anusha D.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Prediction of Experimental Yield during Transesterification of Mahua Oil Biodiesel Using Artificial Neural Network	Kapilan N., Balaji S., Manoi I.V.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Deep Learning based Handwritten Arithmetic Equation Solver	Karegowda A.G., Leenarani A., Poornima D., Pooja R., Bhatt S., Bharathi P.T.	4th International Conference on Emerging Research in Electronics, Computer Science and Technology, ICERECT 2022	2022	
Switched Capacitor MLI Design Ideology with Less number of Switches using Hysteresis Bandwidth Control	Saahithi S., Raghu C.N., Reddy J., Dash R., Subburaj V.	2022 IEEE International Power and Renewable Energy Conference, IPRECON 2022	2022	
RDI-SD: An Efficient Rice Disease Identification based on Apache Spark and Deep Learning Technique	Prasad M.S.G., Pratap M.S., Jain P., Gujjar J.P., Kumar M.A., Kukreti A.	International Conference on Artificial Intelligence and Data Engineering, AIDE 2022	2022	
Smart Cart Powered by Artificial Intelligence	Samantaray R.R., Hegde N., Azeez A., Fathima A., Prasad S., Surendiran J.	Proceedings of the 2022 3rd International Conference on Communication, Computing and Industry 4.0, C2I4 2022	2022	
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Teleconsultation and Human Parameter Monitoring system using Arduino UNO and NODE MCU	Samantaray R.R., Azeez A., Hegde N., Surendiran J., Mohammadi S.H., Tabassum Z.	Proceedings of the 2022 3rd International Conference on Communication, Computing and Industry 4.0, C2I4 2022	2022	
StaVen: A Secure and Lightweight PWA for Traffic Facilitation	Sathyaprakash B.P., Nilange P., Prathab S., Prajwal P., Manoj S.K.	4th International Conference on Circuits, Control, Communication and Computing, I4C 2022	2022	
Automation of Server Security Assessment	Varun C.P., Agarwal R.	4th International Conference on Circuits, Control, Communication and Computing, I4C 2022	2022	
A Hybrid Qualitative and Quantitative Approach for Automatic Short Answer Grading Using Classification Algorithms	Sree Lakshmi P., Simha J.B.	4th International Conference on Circuits, Control, Communication and Computing, I4C 2022	2022	
Fault Detection of PMS Motor Mated to Gear Box by Monitoring Inverter Input Currents	Venkatesh Murthy B.S., Nagaraj C., Nagesh H., Subha V., Nivedita J.M.	4th International Conference on Circuits, Control, Communication and Computing, I4C 2022	2022	
Smart Wearable Wristband for Patients' Health Monitoring System through IoT	Vonteddu S.N.R., Nunna P., Jain S., Samson Isaac J., Nitya S., Diwakar G.	3rd International Conference on Power, Energy, Control and Transmission Systems, ICPECTS 2022 - Proceedings	2022	
Development of Fault Detection Method in Cable Using Arduino UNO	Bairwa B., Rathod S., Yaragatti U.R., Manohar K.A.	7th IEEE International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2022 - Proceedings	2022	
A Novel Chaotic Shark Smell Optimization with LSTM for Spatio-Temporal Analytics in Clustered WSN	Kusuma S.M., Veena K.N., Varun B.V.	International Journal of Information Security and Privacy	2022	
Two Port MIMO Antenna for Wideband Applications	Jayakumar S., Kavya M., Sarvagya M., Ravi K.M.G., Subhash B.K., Navya B.R.	2022 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2022	2022	
Enhanced reliability considerations for manufacturability of space TR modules of Radar Imaging Payload	Chippalkatti V.S., Biradar R.C.	2022 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2022	2022	
EXTRACTION AND RECOVERING OF FINGER VEIN VERIFICATION BASED ON DEEP ATTRIBUTE REPRESENTATION	Muthu Kumar B., Ragaventhiran J., Bhavana N., Thurai Pandian M., Islabudeen M., Sampath A.K.	Malaysian Journal of Computer Science	2022	
CONNECTING USER PROFILES OF SOCIAL NETWORKS USING PROXIMITY-BASED CLUSTERING	Rashmi C., Kodabagi M.M.	Malaysian Journal of Computer Science	2022	
Clustering Algorithm to Mitigate Intra and Inter Cell Interference in 5G Backhaul Wireless Mesh Networks	Benni N.S., Manvi S.S.	INDICON 2022 - 2022 IEEE 19th India Council International Conference	2022	
Channel Allocation Scheme to Mitigate Interference in 5G Backhaul Wireless Mesh Networks	Benni N.S., Manvi S.S.	2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI 2022	2022	
Image Based Classification of COVID-19 Infection Using Ensemble of Machine Learning Classifiers and Deep Learning Techniques	Shalini L., Manvi S.S., Gardiner B., Gowda N.C.	2022 International Conference on Data Science, Agents and Artificial Intelligence, ICDSAAI 2022	2022	
DWT Algorithm for Macro & Micro Block based Multiple Histogram Shifting for Video Data Hiding	Venkata Ramana K., Sowtharya C., Jithesh K., Reddy P.L., Apoorva M.C., Kumar A.	International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings	2022	

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Heart Disease Prediction and Classification using Machine Learning and Transfer Learning Model	Sivaprasad R., Hema M., Ganar B.N., Sunil D.M., Mehta V., Fahlevi M.	International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings	2022	
Splicing Image Forgery Detection by Deploying Deep Learning Model	Krishnamoorthy N., Amuthadevi C., Geedtha M.K., Reddy P.L., Anitha Rani K.S., Gopinathan R.	International Conference on Automation, Computing and Renewable Systems, ICACRS 2022 - Proceedings	2022	
Detection and Stage Classification of UNet Segmented Lung Nodules Using CNN	Deepajothi S., Balaji R., Madhuvanathi T., Priakanth P., Daniya T., Velliangiri S.	2022 5th International Conference on Multimedia, Signal Processing and Communication Technologies, IMPACT 2022	2022	
Data Analytics in Farming: Rice price prediction in Andhra Pradesh	Shaker Reddy P.C., Suryanarayana G., Prakash K L.N.C.P., Yadala S.	2022 5th International Conference on Multimedia, Signal Processing and Communication Technologies, IMPACT 2022	2022	
Systematic analysis of Quercetin and its derivatives with special reference to anti-inflammatory property-based on network pharmacology	Dutta S., Kumar H.P.P., Ramesh N., Middha S.K.	Plant Science Today	2022	
Improving the Reliability of RPL Using Hybrid Deep Learning and Objective Function-Based DODAG Structure for AMI	Savitha M.M., Basarkod P.I.	Mathematical Modelling of Engineering Problems	2022	
Two-Wheeler Location Tracking and Tilt Monitoring System	Thirumala Akash K., Samvrudhi K., Gudodagi R., Ahmed M.R., Vinay V.S.	2022 6th International Conference on Computing, Communication, Control and Automation, ICCUBEA 2022	2022	
Afghan Women and the Taliban: Tracing Questions of Legal Rights, Insecurity and Uncertainty in Select Texts vis-à-vis the Current Crisis	Anupama B.N., Chowdhury P.D.	Rupkatha Journal on Interdisciplinary Studies in Humanities	2022	
Performance Evaluation and Fault Detection in DC-Microgrid using HHT Analysis	Pati S.B., Barik S.K., Kundu S., Dash R., Nanditha Varshini E.	2nd Odisha International Conference on Electrical Power Engineering, Communication and Computing Technology, ODICON 2022	2022	
Automated Oral Cancer Detection using Deep Learning-based Technique	Muqet M.A., Mohammad A.B., Krishna P.G., Begum S.H., Qadeer S., Begum N.	2022 8th International Conference on Signal Processing and Communication, ICSC 2022	2022	
An Efficient Hybrid Protocol Framework for DDoS Attack Detection and Mitigation Using Evolutionary Technique	Yerriswamy T., Gururaj M.	Journal of Telecommunications and Information Technology	2022	
Fuzzy Sematic Segmentation and efficient Classification of Lung Cancer Multi-dimensional datasets	Dev P.P., Patil S.D., Hulipalled V.R., Patil K.	International Journal of Fuzzy System Applications	2022	
Ge2Sb2Te5 Enabled Active Switching of Fano Resonance in Tunable Terahertz Metamaterial	Mishra P., Srivastava V., Sunny	Optics InfoBase Conference Papers	2022	
An Efficient Ensemble Method Using K-Fold Cross Validation for the Early Detection of Benign and Malignant Breast Cancer	Mahesh T.R., Kaladevi A.C., Balajee J.M., Vivek V., Prabu M., Muthukumaran V.	International Journal of Integrated Engineering	2022	
Significance of Insilco Approaches in Finding Novel Biomolecules Challenging Newly Emerging, Resurging, Deliberately Emerging Global Outbreaks	Munikannaian R., Upendra R.S., Nagar S.S.	Eurasia Proceedings of Science, Technology, Engineering and Mathematics	2022	

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OIDCBMS: A Novel Neural Network based Intrusion Detection System to Cloud Computing based on New Cube Algorithm	Srilatha D., Thillaiarasu N.	4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings	2022	
DDoSNet: A Deep Learning Model for detecting Network Attacks in Cloud Computing	Srilatha D., Thillaiarasu N.	4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings	2022	
Cloud Computing for Suitable Data Management and Security within Organisations	Bhattacharyya L., Purohit S.G., Fatmawati E., Sunil D.M., Toktakynovna Z., Sriramakrishnan G.V.	4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings	2022	
Study of Microstructural and Mechanical Properties of Ti-Alloys Synthesis from High Energy Ball Milling by Spark Plasma Sintering-A Review	Pushp P., Dasharath S.M.	Key Engineering Materials	2022	
Performance and Characterization of 4-Stroke Diesel Engine Using Zirconium Dioxide (ZrO ₂) Coated Piston of Different Thickness	Kalyana Kumar M., Sudersanan P.D.	Solid State Phenomena	2022	
A Study on Optimization of CO ₂ Welding Process Parameters on Structural Steel by Using Taguchi Method	Math P., Praveen Kumar B.S.	Key Engineering Materials	2022	
Aluminum 4.5 wt. % Copper Alloy Powder Sintering Temperature Effect on Microstructure and Mechanical Properties of Spark Plasma Sintered Compact	Narayana Swamy K.S., Devaraj S., Chandra Mohan H.K.	Key Engineering Materials	2022	
Study on Solid Particle Erosion Studies of Stellite-6 HVOF Coating on Titanium Alloy	Prabhakaran D., Jegadeeswaran N., Somasundaram B., Raju B.S.	Solid State Phenomena	2022	
Microstructural and Mechanical Behavioural Properties of Cold Compacted Ultra-Fined Grained (UFG) Magnesium AZ31B Alloy Prepared by Ball Milling Process	Mansoor P., Dasharath S.M.	Key Engineering Materials	2022	
Investigations on Machinability Behavior in Turning of Al7075/Beryl/Graphene Nano Platelets Hybrid Composites with Multilayer Coated Carbide Insert Using Taguchi and Statistical Techniques	Patil S., Ahmed S.A., Gunaki P., Pasha A.A., Nagaral M.	Key Engineering Materials	2022	
Mechanical and Tribological Properties Correlations of Die Cast and Spray Formed Aluminum 2.5wt.% Cu-2.5wt.% Mg-5wt.% Zn Alloy	Chandrammohan H.K., Devaraj S., Narayana Swamy K.S., Venkatesh B.K.	Solid State Phenomena	2022	
Enhancing data security on a self-defensive Jacket Along with Microphone using IoT Technology and Cloud Computing	Acharya M., Prasad S.N.	Proceedings of International Conference on Technological Advancements in Computational Sciences, ICTACS 2022	2022	
Design and Development of Autonomous Driving Car Using NvidiaJetson Nano Developer Kit	Kounte M.R., Shri C.V.A., Harshvardhan V.S., Kumari A., Dhruv S.	Proceedings of 4th International Conference on Cybernetics, Cognition and Machine Learning Applications, ICCMLA 2022	2022	
Epileptic Seizure Classification and Prediction Model Using Fuzzy Logic-Based Augmented Learning	Fathima S.N., Rekha K.B., Safinaz S., Ahmed S.T.	International Journal of Fuzzy System Applications	2022	

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Smart DS-CDMA receiver based on feed forward neural network	Drakshayini M.N., Kounte M.R.	Advances in Parallel Computing	2022	
MAP-REDUCE BASED DISTANCE WEIGHTED K-NEAREST NEIGHBOR MACHINE LEARNING ALGORITHM FOR BIG DATA APPLICATIONS	Gothai E., Muthukumar V., Valarmathi K., Sathishkumar V.E., Thillaiarasu N., Karthikeyan P.	Scalable Computing	2022	
INTEGRATING COLLABORATIVE FILTERING TECHNIQUE USING RATING APPROACH TO ASCERTAIN SIMILARITY BETWEEN THE USERS	Pavithra C., Saradha M.	Scalable Computing	2022	
Interdependent Attribute Interference Fuzzy Neural Network-Based Alzheimer Disease Evaluation	Ahmed S.T., Koti M.S., Muthukumar V., Joseph R.B., Satheesh K.S.	International Journal of Fuzzy System Applications	2022	
Simulative study on integrated optical multimode waveguides with guided beams based on the system standardization of elements	Rashed A.N.Z., Jahan K., Mohammad A.B., Ahammad S.H., Hossain M.A., Fawzy F.A.	Journal of Optical Communications	2022	
Efficient Approach for Autism Detection using deep learning techniques: A Survey	Lylath S., Rananavare L.B.	2022 IEEE 3rd Global Conference for Advancement in Technology, GCAT 2022	2022	
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Modelling Of Smart Energy Management System For Solar Microgrid Using MATLAB/SIMULINK	Ankaiah B., Charan Vishnu C., Oommen S., Ananda M.H., Kumar M., Rajini H.	2022 IEEE 3rd Global Conference for Advancement in Technology, GCAT 2022	2022	
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Implementation of IoT in Agriculture: A Scientific Approach for Smart Irrigation	Viswanatha V., Ramachandra A.C., Venkata Siva Reddy R., Ashwini Kumari P., Srinivasa Murthy R., Sathisha B.M.	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference	2022	
A Analysis About MHD, Couple Stress, And The Roughness Of The Surface on A Long Cylinder and Infinite Porous Plate	Hanumagowda B.N., Sreekal C.K., Kumar V., Kodekalmath V.I.	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference	2022	

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A Survey on use of FPGA in Automotive System	Aishwarya G., Patil B., Joshi P.V., Sudarsham K.M., Vaidyanathan K., Parandkar P., Dsouza A.	2022 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2022 - Proceedings	2022	
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Text Summarization using NLP Technique	Balaji N., Megha N., Kumari D., Sunil Kumar P., Bhavatarini N., Shikah Rai A.	2022 IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics, DISCOVER 2022 - Proceedings	2022	
Real-time Litter Recognition Using Improved YOLOv4 Tiny Algorithm	Shalini V., Tangade S., Prajna P.K., Sangeetha J.P., Azam F., Anoop G.L.	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference	2022	
PV Power Prediction and Investigation for Movable Solar PV Module	Manohar K.A., Bairwa B., Yaragatti U.R., Raghu C.N.	MysuruCon 2022 - 2022 IEEE 2nd Mysore Sub Section International Conference	2022	
Detection IoT attacks using Lasso regression algorithm with ensemble classifier	Sheelavathy K.V., Udaya Rani V.	International Journal of Pervasive Computing and Communications	2022	
An efficient management education in developing women entrepreneurial aspirations	Ayer B., Lakshmi D.V., Mathew A., Saradha M., Devarayasamudram S., Karthik R.	International Journal of System Assurance Engineering and Management	2022	
An Autonomous Adaptive Enhancement Method Based on Learning to Optimize Heterogeneous Network Selection	Sucharitha Y., Reddy P.C.S.	International Journal of Sensors, Wireless Communications and Control	2022	
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Investigation on Wear Analysis of Aluminium (Al) 7075 Alloy Reinforced with Titanium Carbide (TiC) and Graphene (Gr) Nanoparticles	Lingaraju S.V., Mallikarjuna C., Venkatesha B.K.	Solid State Phenomena	2022	
GHG Impact Analysis on the Performance of Solar PV Output using SVM Kernel Debugging	Patnaik B., Swain S.C., Dash R.	Proceedings of 2022 1st IEEE International Conference on Industrial Electronics: Developments and Applications, ICIDeA 2022	2022	
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Analytical Hierarchy Process (AHP):A Steady Method for Quality Decision Making: A Case Study in Snack Food Industry	Shalini K., Rohini G., Vishal P., Polasi S.	Journal of Pharmaceutical Negative Results	2022	
AN OVERVIEW ON DIABETES MELLITUS: MATHEMATICAL APPROACH	Ranjani N.S., Mahalakshmi	Journal of Pharmaceutical Negative Results	2022	
A STUDY OF INVENTORY CONTROL TECHNIQUES TO OPTIMISE REVENUE IN SMALL RETAIL STORES	Sneha K.V., Pandey A., Polasi S.	Journal of Pharmaceutical Negative Results	2022	
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INVESTIGATION OF N-POLICY MARKOVIAN QUEUEING SYSTEM WITH DESPONDENT ARRIVALS, RETAINMENT OF RENEGED CUSTOMERS AND CONTROLLABLE ARRIVAL RATES	Nisha A.B., Saradha M., Varalakshmi M.	Journal of Pharmaceutical Negative Results	2022	
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Small signal stability in a Microgrid using PSO based Battery storage system	Divya B.V., Archana N.V., Latha N., Surendra U.	2022 IEEE Industrial Electronics and Applications Conference, IEACon 2022	2022	
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Medical decision support system using data mining	Taranath N.L., Roopashree H.R., Yogeesh A.C., Darshan L.M., Subbaraya C.K.	Predictive Modeling in Biomedical Data Mining and Analysis	2022	
Enhanced LEACH Protocol for Wireless Sensor Networks	Samvrudhi K., Thirumala Akash K., Ahmed M.R., Prashanth B.U.V.	13th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2022	2022	
A critical review on microstructure and hardness of aluminum alloy 6061 joints obtained by friction stir welding-past, present, and its prospects	Patil S., Nagamadhu M., Malyadri T.	Materials Today: Proceedings	2022	
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Lip Segmentation using Haar Cascade: A Smart Cosmetic Selector	Sadarabalaji, Tabassum N., Praneetha Reddy A.N., Geetha D.D., Raghav Kalyan L., Ashwini P., Madhu K.	Proceedings - 2022 1st International Conference on Technology Innovation and Its Applications, ICTIIA 2022	2022	
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Microbe-assisted phytoremediation of environmental contaminants	Devi A., Ferreira L.F.R., Saratale G.D., Mulla S.I., More N., Bharagava R.N.	Advances in Microbe-assisted Phytoremediation of Polluted Sites	2022	
Databases, DrugBank, and virtual screening platforms for therapeutic development	Middha S.K., David A., Haldar S., Boro H., Panda P., Bajare N., Milesh L., Devaraj V.R., Usha T.	Computational Approaches for Novel Therapeutic and Diagnostic Designing to Mitigate SARS-CoV2 Infection: Revolutionary Strategies to Combat Pandemics	2022	
An intelligent deep learning LSTM-DM tool for finger vein recognition model USING DSAE classifier	Madhusudhan M.V., Udayarani V., Hegde C.	International Journal of System Assurance Engineering and Management	2022	
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Performance Analysis of Emerging Low-Power Junctionless Tunnel FETs	Lakshmi Priya G., Venkatesh M., Preethi S., Venish Kumar T., Balamurugan N.B.	Emerging Low-Power Semiconductor Devices: Applications for Future Technology Nodes	2022	

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Biochemical and biophysical changes in plasma and erythrocyte membranes of alcohol-consuming type 2 diabetics: a clinical study	Ellutla N., Hebbani A.V., Reddy V.D., Lonappan D.K., Nallanchakravarthula V.	Romanian Journal of Diabetes, Nutrition and Metabolic Diseases	2022	
Deep Learning Based Application in Identifying Originality of the Hand Written Document using Convolution Neural Network	Pallavi M.O., Sneha S., Sundaram M., Preetham N.	Proceedings of the 2022 International Conference on Connected Systems and Intelligence, CSI 2022	2022	
A novel hybrid grey wolf optimized fuzzy logic control based photovoltaic water pumping system	Priyadarshi N., Padmanaban S., Bhaskar M.S., Azam F., Khan B., Hussien M.G.	IET Renewable Power Generation	2022	
Entropy generation optimization in an unsteady hybrid nanofluid flow between two rotating disks: a numerical bioconvection model	Mahesh A., Raju C.S.K., Babu M.J., Madhusudhana Rao B., Varma S.V.K., Prasannakumara B.C.	Waves in Random and Complex Media	2022	
Framework for freight movement in Bangalore city, India	Srikanth S., Ballari S.O., Eswar S.	IOP Conference Series: Earth and Environmental Science	2022	
Deep Learning Medical Solutions: A short review on COVID-19 Detection Using Chest X-ray Image with CNN Multiple Architectures	Sequeira S.S., Sneha N., Pallavi M.O., Kumar P.	Proceedings - 2022 5th International Conference on Computational Intelligence and Communication Technologies, CCICT 2022	2022	
Efficient DC to DC Adaptive on-Time Controlled Buck Converter for Low Power Application	Mohankumara M., Nayana D.K.	2022 2nd Asian Conference on Innovation in Technology, ASIANCON 2022	2022	
Drone-based Detection and Geo-Mapping of Wastes, Weeds and Diseases in Plants using Deep Learning	Kounte M.R., Niran N., Hegde P.S., Dandur N.R., Nisha S.	2022 2nd Asian Conference on Innovation in Technology, ASIANCON 2022	2022	
A Robust Blockchain Architecture for Electronic Health Data using Efficient Lightweight Encryption Model with Re-Encryption Scheme	Chandini A.G., Basarkod P.I.	IEEE International Conference on Data Science and Information System, ICDSIS 2022	2022	
Smart System for Realtime Electrocardiogram Monitoring and Storage	Shree Vallabha A., Nethra P., Rashmitha R., Prathyusha T., Bharathi S.H.	IEEE International Conference on Data Science and Information System, ICDSIS 2022	2022	
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A Novel Paradigm to Artificial Intelligence in Transforming Supply Chain Management in the Agile Business World	Pattnaik M., Vijayalakshmi N.S., Sharma M., Kumar A., Sharaschandra K.S.	Proceedings of the 2022 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, ICSES 2022	2022	
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Direct Torque Control of Induction Motor Using ConvLSTM Based on Gaussian Pillbox Surface	Potturi S., Reddy K.J., Dash R., Jena R., Subburaj V., Dhanamjayulu C.	Mathematical Problems in Engineering	2022	
Correction to: Multifunctional biogenic Al-doped zinc oxide nanostructures synthesized using bioreductant chaetomorpha linum extricate exhibit excellent photocatalytic and bactericidal ability in industrial effluent treatment (Biomass Conversion and Biorefinery, (2022), 10.1007/s13399-022-03177-7)	Somu P., Khanal H.D., Gomez L.A., Vinaykumar R., Shim J.-J., Lee Y.R.	Biomass Conversion and Biorefinery	2022	
PERFORMANCE STUDY OF COMPRESSION IGNITION ENGINE FUELED WITH DAIRY SCUM BIODIESEL AND Al ₂ O ₃ NANOADDITIVES	Telgane V., Godiganur S., Srikanth H.V.	International Journal of Energy for a Clean Environment	2022	
Effect of Scattering Angle in Electron Transport of AlGa _N and InGa _N	Vijetha T., Mallick P.S., Karthik R., Rajan K.	Advances in Materials Science and Engineering	2022	
BOUNDARY LAYER FLOW OF A CONDUCTING HYPERBOLIC NANOFUID OVER A STRETCHING SURFACE WITH CHEMICAL REACTION AND HEAT SOURCE/SINK	Venkateswarlu S., Varma S.V.K., Kumar R.V.M.S.S.K.	Journal of Theoretical and Applied Mechanics (Bulgaria)	2022	
A review of tensile, hardness, wear, and microstructural characteristics of friction stir welded/processed composites	Biradar R., Patil S.	Materials Today: Proceedings	2022	
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Active Switching of Electromagnetic Induced Transparency in Ge ₂ Sb ₂ Te ₅ Tunable Terahertz Metamaterial	Mishra P., Srivastava V., Sunny	2022 Conference on Lasers and Electro-Optics, CLEO 2022 - Proceedings	2022	

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Onboard Pointing Error Detection and Estimation of Observation Satellite Data Using Extended Kalman Filter	Dhanalakshmi R., Bhavani N.P.G., Raju S.S., Shaker Reddy P.C., Marvaluru D., Singh D.P., Batu A.	Computational Intelligence and Neuroscience	2022	
Exploration of NMI-MsCl mediated amide bond formation for the synthesis of novel 3,5-substituted-1,2,4-oxadiazole derivatives: synthesis, evaluation of anti-inflammatory activity and molecular docking studies	Kulkarni B., Manjunatha K., Joy M.N., Sajith A.M., Santra S., Zyryanov G.V., Prashantha C.N., Alshammari M.B., Sunil K.	Molecular Diversity	2022	
Design of Energy Efficient Magnitude Comparator Architecture using 8T XOR Gate	Naik S.S., Basarkod P.I.	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings	2022	
COVID 19: Identification of Masked Face using CNN Architecture	Singh S., Aggarwal A.K., Ramesh P., Nelson L., Damodharan P., Pandian M.T.	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings	2022	
An Efficient Policy-Based Scheduling and Allocation of Virtual Machines in Cloud Computing Environment	Supreeth S., Patil K., Patil S.D., Rohith S., Vishwanath Y., Prasad K.S.V.	Journal of Electrical and Computer Engineering	2022	
Web Scraping Approaches and their Performance on Modern Websites	Bale A.S., Ghorpade N., Rohith S., Kamalesh S., Rohith R., Rohan B.S.	3rd International Conference on Electronics and Sustainable Communication Systems, ICESC 2022 - Proceedings	2022	
Power Quality Disturbance Detection and Monitoring of Solar Integrated Micro-Grid	Pattanaik D., Swain S.C., Samanta I.S., Dash R., Swain K.	WSEAS Transactions on Power Systems	2022	
Lung Cancer Detection Using Modified Fuzzy C-Means Clustering and Adaptive Neuro-Fuzzy Network	Arumugam S.R., Bhushan B., Arya M., Manoj O., Basha S.M.	Lecture Notes in Electrical Engineering	2022	
Comparative approach for VM Scheduling using Modified Particle Swarm Optimization and Genetic Algorithm in Cloud Computing	Supreeth S., Patil K., Patil S.D., Rohith S.	IEEE International Conference on Data Science and Information System, ICDSIS 2022	2022	
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INTERVENTION APPROACHES OF STIGMA RELATED TO TUBERCULOSIS IN DEVELOPING COUNTRIES: A SYSTEMATIC REVIEW	Faraade M.H., Jeffree M.S., Lin L.J., Fiidow O.A., Avoi R., Rao P.V., Hassan M.R.	Malaysian Journal of Public Health Medicine	2022	
Band Notched Triband Patch Antenna Incorporating a Modified Complementary Split Ring Resonator	Rao S.M., Basarkod P.I.	2022 IEEE Region 10 Symposium, TENSYP 2022	2022	
PyTorch Implementation and Assessment of Pre-Trained Convolutional Neural Networks for Tomato Leaf Disease Classification	Lohith R., Cholachgudda K.E., Biradar R.C.	2022 IEEE Region 10 Symposium, TENSYP 2022	2022	
A review of wireless channel estimation techniques: challenges and solutions	Drakshayini M.N., Kounte M.R.	International Journal of Wireless and Mobile Computing	2022	
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Non-linear radiation and dissipative impacts on non-Newtonian hydromagnetic Falkner-Skan fluid through a wedge	Hari Babu B., Rao P.S., Reddy M.G., Varma S.V.K.	Waves in Random and Complex Media	2022	
Crop Yield Prediction Using Temporal Data	Rananavare L.B., Chitnis S.	2022 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2022	2022	
Blockchain-based Access Control Model with Privacy preservation in a Fog Computing Environment	Gowda N.C., Manvi S.S., Bharathi Malakreddy A.	2022 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2022	2022	
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A secure IoT and edge computing based EV selection model in V2G systems using ant colony optimization algorithm	Anjinappa G., Bangalore Prabhakar D.	International Journal of Pervasive Computing and Communications	2022	
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Kannada Text Summarization using Extractive Technique	Pallavi P., Sarvamangala D.R.	2022 IEEE International Conference on Electronics, Computing and Communication Technologies, CONECCT 2022	2022	
Hybrid LSTM-PCA-Powered Renewable Energy-Based Battery Life Prediction and Management for IoT Applications	Siva T., Beno A., Lanitha B., Yogalakshmi V., Manikandan M., Kumar S.S., Peroumal V., Darwin Nesakumar A., Prasad V.R.R.	Journal of Nanomaterials	2022	
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An Experimental Analysis of Solar PV on Higher Concentration of Methane	Patnaik B., Chandra Swain S., Kumar Dash R.	Proceedings - 3rd IEEE India Council International Subsections Conference: Impactful Innovations for Benefits of Society and Industry, INDISCON 2022	2022	
Comparative Analysis of Control Strategies for Dynamic Voltage Restorer	Bairwa B., Raghu C.N., Ashwini Kumari P., Oommen S.	International Conference on Trends in Electrical, Electronics, Computer Engineering, TEECCON 2022	2022	
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VCXO Methodology to Achieve wide Frequency Pulling in Low Profile for Space Applications	Anjali N., Mariyappa C., Devanathan M.	International Conference on Trends in Electrical, Electronics, Computer Engineering, TEECCON 2022	2022	
Public key encryption with equality test for vehicular system based on near-ring	Muthukumaran V., Ezhilmaran D.	International Journal of Grid and Utility Computing	2022	
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DC-Microgrid Fault Detection & Classification Using ANN Enabled BAT Algorithm	Pati S.B., Barik S.K., Kundu S., Dash R., Ballajhi A.	International Conference on Trends in Electrical, Electronics, Computer Engineering, TEECCON 2022	2022	
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A Review on Water Tree Phenomenon and Incipient Fault in Underground Cable	Mishra S., Routray A., Swain S.C., Dash R.	International Conference on Trends in Electrical, Electronics, Computer Engineering, TEECCON 2022	2022	
Asynchronous NoC with Fault tolerant mechanism: A Comprehensive Review	Siddagangappa R., Nayana D.K.	International Conference on Trends in Electrical, Electronics, Computer Engineering, TEECCON 2022	2022	
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Preface	Tamrakar S., Sharma S., Dash R.	Cloud Computing Infrastructure for Enabling Future Technology Advancement	2022	
An Improved Technique to Identify Fake News on Social Media Network using Supervised Machine Learning Concepts	Sreedhar K.S., Ahmed S.T., Sreejesh G.	Proceedings - 2022 IEEE World Conference on Applied Intelligence and Computing, AIC 2022	2022	
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FPGA Implementation of Optimized Code Converters with Reversible Logic Gates	Rajesh K., Kundu M., Sarkar A., Sreenath M., Deb P.	Lecture Notes in Electrical Engineering	2022	
Targeting ion channels in hepatic cancer	Ponnusamy M., Rajagopal S.	Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 2: Diagnosis, Therapeutic Targets, and Molecular Mechanisms	2022	
A review on electrical and gas-sensing properties of reduced graphene oxide-metal oxide nanocomposites	Kiranakumar H.V., Thejas R., Naveen C.S., Khan M.I., Prasanna G.D., Reddy S., Oreijah M., Guedri K., Bafakeeh O.T., Jameel M.	Biomass Conversion and Biorefinery	2022	
Implementation of an Active Noise Cancellation Technique using Deep Learning	Akarsh S.M., Biradar R., Joshi P.V.	5th International Conference on Inventive Computation Technologies, ICICT 2022 - Proceedings	2022	
Effect of Dwell Time on Fracture Load of Friction Stir Spot Welded Dissimilar Metal Joints	Sathyaseelan P., Manickavasagam V.M., Ravichandran P., Prasad D.V.S.S.S.V., Ramana Murty Naidu S.C.V., Pradeep Kumar S., Ahmad Khan A., Karthik R., Kerga G.A.	Advances in Materials Science and Engineering	2022	
Multiconvolutional Transfer Learning for 3D Brain Tumor Magnetic Resonance Images	Sangeetha S.K.B., Muthukumaran V., Deeba K., Rajadurai H., Maheshwari V., Dalu G.T.	Computational Intelligence and Neuroscience	2022	
Active Switching of Electromagnetic Induced Transparency in Ge2Sb2Te5 Tunable Terahertz Metamaterial	Mishra P., Srivastava V., Sunny	Optics InfoBase Conference Papers	2022	
A systematic review on potential microbial carbohydrases: current and future perspectives	Golgeri M D.B., Mulla S.I., Bagewadi Z.K., Tyagi S., Hu A., Sharma S., Bilal M., Bharagava R.N., Ferreira L.F.R., Gurumurthy D.M., Nadda A.K.	Critical Reviews in Food Science and Nutrition	2022	
[Effect of iron ore tailing and glass powder on concrete properties, Efecto de los relaves de mineral de hierro y polvo de vidrio en las propiedades del concreto]	Dhanabal P., Sushmitha K.S.	Revista Ingenieria de Construccion	2022	
Dual-Topology Cross-Coupled Configuration of Switched Capacitor Converter for Wide Range of Application	Saahithi S., Hemanth Kumar B., Reddy J., Dash R., Subburaj V.	MELECON 2022 - IEEE Mediterranean Electrotechnical Conference, Proceedings	2022	
Overlay Implementation for Video Display	Akhil N., Kumar P.A., Kounte M.R.	7th International Conference on Communication and Electronics Systems, ICCES 2022 - Proceedings	2022	
Face Detection and its Features Extraction using Convolution Neural Network Model	Jayasimha Y., Venkatesha M., Reddy R.V.S.	2022 3rd International Conference for Emerging Technology, INCET 2022	2022	
Cost Optimization of Pumped Hydro Storage and PV Plant for Hybrid Mode of Operation using FPA	Dash R., Bharat M., Jena R., Swain S.C.	2022 3rd International Conference for Emerging Technology, INCET 2022	2022	
Adaptive F-SCA Method for Video Super Resolution	Padmareddy A.M., Venkatesha M., Udaya Rani V.	2022 3rd International Conference for Emerging Technology, INCET 2022	2022	
Detection of Phishing Emails using Machine Learning and Deep Learning	Shalini L., Manvi S.S., Gowda N.C., Manasa K.N.	7th International Conference on Communication and Electronics Systems, ICCES 2022 - Proceedings	2022	

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A Novel Flower Pollination Method for Unit Price Estimation in a Microgrid	Sahoo S., Chandra Swain S., Dash R.	2022 3rd International Conference for Emerging Technology, INCET 2022	2022	
Chemical Composition and the Anticancer, Antimicrobial, and Antioxidant Properties of Acacia Honey from the Hail Region: The in vitro and in silico Investigation	Hamadou W.S., Bouali N., Badraoui R., Hadj Lajimi R., Hamdi A., Alreshidi M., Patel M., Adnan M., Siddiqui A.J., Noumi E., Rao Pasupuleti V., Snoussi M.	Evidence-based Complementary and Alternative Medicine	2022	
Survey on Handwritten Characters Recognition in Deep Learning	Malini M., Hemanth K.S.	Smart Innovation, Systems and Technologies	2022	
Multifunctional biogenic Al-doped zinc oxide nanostructures synthesized using bioreductant chaetomorpha linum extricate exhibit excellent photocatalytic and bactericidal ability in industrial effluent treatment	Somu P., Khanal H.D., Gomez L.A., Vinaykumar R., Shim J.-J., Lee Y.R.	Biomass Conversion and Biorefinery	2022	
Design & Development of MPPT Using PSO with Predefined Search Space Based on Fuzzy Fokker Planck Solution	Ballaji A., Dash R., Subburaj V., Kalvakurthi J.R., Swain D., Swain S.C.	IEEE Access	2022	
A Comparative Review of Expert Systems, Recommender Systems, and Explainable AI	Ravi M., Negi A., Chitnis S.	2022 IEEE 7th International conference for Convergence in Technology, I2CT 2022	2022	
Adaptive error approximate data reconciliation technique for healthcare framework	Kumar S.S., Koti M.S.	International Journal of System Assurance Engineering and Management	2022	
EFFECTIVE PUBLIC SPACE: A QUALITY OF LIFE CATALYST FOR DENSE URBAN NEIGHBOURHOODS: Evidences from Bengaluru, India	Sonal S.	New Design Ideas	2022	
Cluster, Cloud, Grid Computing via Network Communication Using Control Communication and Monitoring of Smart Grid	Kumar S., Kumar N.M.G., Geetha B.T., Sangeetha M., Chakravarthi M.K., Tripathi V.	2022 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2022	2022	
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An Empirical Analysis of an Optimized Pretrained Deep Learning Model for COVID-19 Diagnosis	Sangeetha S.K.B., Kumar M.S., Deeba K., Rajadurai H., Maheshwari V., Dalu G.T.	Computational and Mathematical Methods in Medicine	2022	
Experimental Investigation on the Effect of Coating Al ₂ O ₃ +70% NiCrBSi Cermets on Ti-31 Superalloy to Combat Hot Corrosion	Vinod Kumar M.S., Suresh R., Jegadeeswaran N., Leta Feyisa M.	Journal of Nanomaterials	2022	
Effect on Compression Molding Parameters in Mechanical Properties of MWCNT/Glass Fiber/Epoxy Composites	Venugopal J., Dhanasakkaravarthi B., Surakasi R., Rinawa M.L., Manjunatha L.H., Alshgari R.A., Wabaidur S.M., Islam M.A., Jenish I.	Advances in Polymer Technology	2022	
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Security framework for IoT and deep belief network-based healthcare system using blockchain technology	Nagarajan S.M., Anandhan P., Muthukumaran V., Uma K., Kumaran U.	International Journal of Electronic Business	2022	
Investigation on Mechanical and Thermal Properties of a Kenaf/Jute Fiber-Reinforced Polyester Hybrid Biocomposite	Albaqami M.D., Dwivedi Y.D., Krishnamoorthy N., Kumar M.L., Manjunatha L.H., Chowdary C.M., Wabaidur S.M., Prasad A.R., Chikhale R.V., Kumar S.P.	Advances in Polymer Technology	2022	
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Defect-induced measurements of semi-organic ammonium hydrogen oxalate oxalic acid dihydrate single crystals using gamma irradiation	Mahendra K., Maria Fernandes J., Udayashankar N.K.	Radiation Effects and Defects in Solids	2022	
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EFFECTS OF HEAT SOURCE/SINK ON DARCIN-BE'NARD-MAGNETO-MARANGONI CONVECTIVE INSTABILITY IN A COMPOSITE LAYER SUBJECTED TO NONUNIFORM TEMPERATURE GRADIENTS	Manjunatha N., Sumithra R.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2022	
Analysis of feature selection techniques for prediction of boiler efficiency in case of coal based power plant using real time data	Thota S., Syed M.B.	International Journal of System Assurance Engineering and Management	2022	
Comprehensive study of secondary metabolite profile and pharmacological effects of medicinal plant Toddalia asiatica	Lakshmi S.J., Siddiraju U.R.	Journal of Applied Pharmaceutical Science	2022	

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A STUDY ON THE IMPACT OF COVID - 19 ON INVESTOR BEHAVIOUR TOWARDS GOLD ETF INVESTMENTS IN INDIA	Anitha Kumari B., Diwakar Naidu B.	ECS Transactions	2022	
Recent Progress in Development of Dressings Used for Diabetic Wounds with Special Emphasis on Scaffolds	Awasthi A., Gulati M., Kumar B., Kaur J., Vishwas S., Khursheed R., Porwal O., Alam A., Kr A., Corrie L., Kumar R., Kumar A., Kaushik M., Jha N.K., Gupta P.K., Chellappan D.K., Gupta G., Dua K., Gupta S., Gundamaraju R., Rao P.V., Singh S.K.	BioMed Research International	2022	
The peak-to-average power ratio reduction using hybrid scheme with companding and discrete Hartley transform for orthogonal frequency division multiplexing system	Rashmi N., Sarvagya M.	International Journal of Intelligent Enterprise	2022	
Analysis of the Thermal Effects on the Behaviour of Steel Connection Beam Section	Srikanth S., Kjn S.N., Rama Krishna C.B., Vasugi K., Teja C.P., Sessa Rao Y., Kumar S., Lemu D.G.	Advances in Materials Science and Engineering	2022	
Stimulus on strength and durability of granite powder in the waste-based masonry units with copper slag and crumb rubber as partial substitute of fine aggregate	Praburanganathan S., Chithra S.	International Journal of Masonry Research and Innovation	2022	
Classification of user's review using modified logistic regression technique	Reddy R., Kumar U.M.A.	International Journal of System Assurance Engineering and Management	2022	
Application of Computer Vision for Multi-Layered Security to ATM Machine using Deep Learning Concept	Kalmani S., Dilna U.	Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022	2022	
Classification of Rail Track Crack using CNN with Pre-Trained VGG16 Model	Bhat S., Karegowda A.G., Leena Rani A., Vidya S., Devika G.	IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2022	2022	
Multi-class Sentiment Analysis Over Social Networking Applications Using Text and Emoji-based Features	Reddy R., Ashwin Kumar U.M.	Proceedings - International Conference on Applied Artificial Intelligence and Computing, ICAAIC 2022	2022	
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Hyperspectral Image Classification using Digital Signature Comparison based Classifier	Sunkara R., Singh A.K., Kadambi G.R., Prameela Kumari N.	IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics, ICDCECE 2022	2022	
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Enhancing the Security of Data Stored in the Cloud using customized Data Visualization Patterns	Archana M., Murtugudde G.	International Journal of Advanced Computer Science and Applications	2022	

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Experimental investigation on the fiber reinforced ash-based geopolymers concrete with Musa basjoo fibers	Bharath Simha Reddy Y., Praburanganathan S., Mishra M.	Materials Today: Proceedings	2022	
Biomarkers of Oxidative Stress Tethered to Cardiovascular Diseases	Panda P., Verma H.K., Lakkakula S., Merchant N., Kadir F., Rahman S., Jeffere M.S., Lakkakula B.V.K.S., Rao P.V.	Oxidative Medicine and Cellular Longevity	2022	
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Transfer Learning Approach to Detect and Classify Glioma Tumors	Vinaya R.M., Mara G.C.	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	2022	
Convolutional Neural Networks- Bidirectional Long Short Term Memory Based Fake Review Classification	Reddy R., Ashwin Kumar U.M.	Proceedings - 2022 6th International Conference on Intelligent Computing and Control Systems, ICICCS 2022	2022	
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Smart Car Parking Management Through Online Booking	Raji C., Manu R., Prajwal H.O., Prashanth H.V., Preetham S.	Proceedings - 2022 6th International Conference on Intelligent Computing and Control Systems, ICICCS 2022	2022	
Prediction Of Concentration of Air Pollution Using Deep and Machine Learning	Yadav B V., Geetha D.	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022	2022	
Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	Sree Devi K.D., Karthikeyan P., Moorthy U., Deeba K., Maheshwari V., Allayear S.M.	Mathematical Problems in Engineering	2022	
Power Allocation Using Multi-Objective Sum Rate Based Butterfly Optimization Algorithm for NOMA Network	Gangadharappa S.P., Ahmed M.R.	International Journal of Intelligent Engineering and Systems	2022	
A Survey on Additively Manufactured Nanocomposite Biomaterial for Orthopaedic Applications	Gowtham S., Kumar T.C.A., Devi N.S.M.P.L., Chakravarthi M.K., Pradeep Kumar S., Karthik R., Anandaram H., Kumar N.M., Ramaswamy K.	Journal of Nanomaterials	2022	
Facile combustion synthesis of highly active Mo doped BiVO ₄ for photocatalytic dye degradation, photo-oxidation of alcohols, antifungal and antioxidant activities	Warrier V.G., Devasia J., Nizam A., V L V., G N., Nagendra G.	International Journal of Environmental Analytical Chemistry	2022	
Interaction of anthracite coal ash and Archis hypogaea shell ash on an innovative brick: an experimental and simulation study	Sudharsan N., Praburanganathan S., Simha Reddy Y.B., Pavan Kumar P.	International Journal of Coal Preparation and Utilization	2022	
Detection of Adulteration in Food Using Recurrent Neural Network with Internet of Things	Nagamalla V., Kumar B.M., Janu N., Preetham A., Parambil Gangadharan S.M., Alqahtani M.A., Ratna R.	Journal of Food Quality	2022	
Dynamic Data Infrastructure Security for Interoperable e-Healthcare Systems: A Semantic Feature-Driven NoSQL Intrusion Attack Detection Model	Sreejith R., Senthil S.	BioMed Research International	2022	

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Solar coupled Vortex Bladeless Wind Turbine system with BESS in rural electrification	Prasad A., Nagateja P., Subburaj V.	International Journal of Ambient Energy	2022	
A Comprehensive Study on Learning Strategies of Optimization Algorithms and its Applications	Basha S.M., Poluru R.K., Ahmed S.T., Anwar Basha H.	8th International Conference on Smart Structures and Systems, ICSSS 2022	2022	
In vitro and in silico anti-leukemic activity of 2-amino-6-nitro-4-(4-oxo-2-thioxothiazolidin-5-yl)-4H-chromene-3-carbonitrile (ANC) through inhibition of anti-apoptotic Bcl-2 proteins	Veena V.K., Choudhury A.R., Harikrishnan A.	Journal of Biomolecular Structure and Dynamics	2022	
Comparative Study of Activation Functions and Their Impact on the YOLOv5 Object Detection Model	Doherty J., Gardiner B., Kerr E., Siddique N., Manvi S.S.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2022	
The Performance Evaluation of NOMA for 5G Systems Using Automatic Deployment of Multi Users	Suprith P.G., Ahmed M.R.	International Journal of Electronics and Telecommunications	2022	
A taxonomic evaluation of Indian mutual funds' performance and its determinants - Post-pandemic	Riyazahmed K., Kumari B.A., Naidu B.D.	Investment Management and Financial Innovations	2022	
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Secure search scheme for encrypted data in the VANET cloud with random query trapdoor	Hegde N., Manvi S.S., Lallie H.S.	Information Security Journal	2022	
Viability of cryogenic crumb rubber as the stability backer in the bitumen concrete	Mishra M., Praburanganathan S., Bharath Simha Reddy Y.	Materials Today: Proceedings	2022	
Modulatory effects of G protein-coupled receptor in hepatocellular carcinoma	Murugesan V., Rajagopal S.	Theranostics and Precision Medicine for the Management of Hepatocellular Carcinoma, Volume 1: Biology and Pathophysiology	2022	
Physicochemical–biotechnological approaches for removal of contaminants from wastewater	M D.B.G., Kadri S.U.T., Murari S.K., Gurumurthy D.M., Bilal M., Bharagava R.N., Hu A., Bankole P.O., Ferreira L.F.R., Mulla S.I.	Integrated Environmental Technologies for Wastewater Treatment and Sustainable Development	2022	
Decolorization of various dyes by microorganisms and green-synthesized nanoparticles: current and future perspective	Daphedar A.B., Kakkalameeli S., Faniband B., Bilal M., Bhargava R.N., Ferreira L.F.R., Rahdar A., Gurumurthy D.M., Mulla S.I.	Environmental Science and Pollution Research	2022	
Prediction of Tensile Shear Fracture Load of Friction Stir Spot-Welded AA2024-T3/HCS Dissimilar Joints	Nair V.G., Jotiram G.A.K., Pratyush K., Pant B., Ramesh D.R., Gupta A.S., Manjunatha L.H., Madhavarao S., Hailegiorgis S.M.	Journal of Nanomaterials	2022	
Resistance against sulphate attack in concrete by addition of nano alumina	Sathe S., Zain Kangda M., Amaranatha G.A.	Materials Today: Proceedings	2022	
Wireless power transfer topology analysis for inkjet-printed coil	Sahu P.K., Jena S., Behera S., Sahu M.M., Prusty S.R., Dash R.	Open Engineering	2022	
Classification of Medical Health Records Using Convolutional Neural Networks for Optimal Diagnosis	Chaithra M.H., Vagdevi S.	Lecture Notes in Networks and Systems	2022	

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High-power DC-DC converter with proposed HSFNA MPPT for photovoltaic based ultra-fast charging system of electric vehicles	Priyadarshi N., Bhaskar M.S., Sanjeevikumar P., Azam F., Khan B.	IET Renewable Power Generation	2022	
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Hot corrosion behavior of plasma sprayed FeCrNiC and FeCrNiC/Cenosphere coatings on ASTM-SA213-T22 steel	Hanumanthlal S., Siddaraju C., Ramesh M.R., Thirtha Prasada H.P., Somasundaram B.	Materials Today: Proceedings	2022	
A Comparative Analysis of Solar PV Forecast using SVM under CO ₂ Concentration	Patnaik B., Swain S.C., Rout U.K., Dash R.K.	WSEAS Transactions on Power Systems	2022	
Investigation on Efficient Removal of Fluoride from Ground Water Using Activated Carbon Adsorbents	Chukka N.D.K.R., Gomathi Nagajothi P., Natrayan L., Reddy Y.B.S., Veeman D., Patil P.P., Thanappan S.	Adsorption Science and Technology	2022	
Examining the role of Enterprise Resource Planning (ERP) in improving business operations in companies	Pandey A.K., Singh R.K., Jayesh G.S., Khare N., Gupta S.K.	ECS Transactions	2022	
An IoT Based Treatment Optimization and Priority Assignment Using Machine Learning	Ramaiah N.S., Ahmed S.T.	ECS Transactions	2022	
Sustaining Organizational Excellence During Crisis Through Psychological Contract and Organizational Citizenship- An Analysis in Healthcare Sector	Tabassum F., Ghosh N.	ECS Transactions	2022	
Technology Integrated Inclusive Learning Spaces for Industry 4.0 Adaptive Learners- LUR Model for Sustainable Competency Development	Ghosh N., Ayer B., Sharma R.	ECS Transactions	2022	
A Predictive Model for Student Employability Using Deep Learning Techniques	Ambili P.S., Abraham B.	ECS Transactions	2022	
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ELECTROCHEMICAL CORROSION BEHAVIOUR OF NICKEL AND NICKEL-REDUCED GRAPHENE OXIDE COATINGS ON MILD STEEL IN 3.5% NACL SOLUTION	Dharanendra R.A., Prakash M.S., Shivakumara S., Jagannath K.V.	ECS Transactions	2022	
SERVICE QUALITY PERCEPTION IN PRIVATE BANKS: A STUDY WITH SPECIAL REFERENCE TO KARUR VYSYA BANK LTD	Rani S., Maurya N., Shaika S., Pankajam	ECS Transactions	2022	
Medical image denoising and classification based on machine learning- A review	Chaturvedi S., Srinivas T.A.S., Karthikeyan R., Vijayaraj M., Kumar A.N., Sangeetha M.	ECS Transactions	2022	
Quantum Density Functional Theory Studies on Additive Hydration of Tuftsin Tetrapeptide	Yogeswari B., Tamilselvan K.S., Thanikaikarasan S., Dayanand Lal N., Anandaram H., Madhusudhanan J., Karthik R., Batu A.	Journal of Nanomaterials	2022	

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How Volkswagen Used Marketing to Regain Its Brand Image After the Cheating Emission Scandal: A Case Study	Devi O.R., Duttagupta A., Verma S., Kumar T.	ECS Transactions	2022	
COVID-19 Impact: Blended Learning In Sustainable Management Education- The New Normal	Shukla N., Prasad S.K.	ECS Transactions	2022	
Data Analytics on Eco-Conditional Factors Affecting Speech Recognition Rate of Modern Interaction Systems	Kaladevi A.C., Saravanakumar R., Veena K., Muthukumar V., Thillaiarasu N., Kumar S.S.	Journal of Mobile Multimedia	2022	
The Impact of UV-C Treatment on Fruits and Vegetables for Quality and Shelf Life Improvement Using Internet of Things	Sneha N., Patil B.M.	Smart Innovation, Systems and Technologies	2022	
A Study on Evaluating the Performance of Robot Motion Using Gradient Generalized Artificial Potential Fields with Obstacles	Basha S.M., Ahmed S.T., Al-Shammari N.K.	Smart Innovation, Systems and Technologies	2022	
Encryption and Decryption of Secure Data for Diverse Genomes	Gudodagi R., Reddy R.V.S.	Lecture Notes in Electrical Engineering	2022	
Assessment of Image Quality Metrics by Means of Various Preprocessing Filters for Lung CT Scan Images	Saxena S., Prasad S.N., Murthy T.S.D.	Lecture Notes in Electrical Engineering	2022	
A Hybrid Design for Low-Power Fault Tolerant One-Bit Full Adder for Neural Network Applications	Raji C., Prasad S.N.	Lecture Notes in Electrical Engineering	2022	
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Effect of Nano Ground Granulated Blast Furnace Slag (GGBS) Volume % on Mechanical Behaviour of High-Performance Sustainable Concrete	Srikanth S., Krishna C.B.R., Srikanth T., Sai Nitesh K.J.N., Nadh V.S., Kumar S., Thanappan S.	Journal of Nanomaterials	2022	
Apprehending the Effect of Internet of Things (IoT) Enables Big Data Processing through Multinetwork in Supporting High-Quality Food Products to Reduce Breast Cancer	Shukla S.K., Kumar B.M., Sinha D., Nemade V., Mussiraliyeva S., Sugumar R., Jain R.	Journal of Food Quality	2022	
Morphological Failure Study of Low Nickel Austenitic Grade SS: Metal Spinning	Vivek R., Prakash B., Sivamani S., Selvaganapathy V., Kumar S.P., Ramesh B., Karthik R., Jayakumar V., Masi C.	Journal of Nanomaterials	2022	

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Value-added waste substitution using slag and rubber aggregates in the sustainable and eco-friendly compressed brick production	Praburanganathan S., Chithra S., Divyah N., Sudharsan N., Reddy Y.B.S., Vigneshwaran	Revista de la Construccion	2022	
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Low-Velocity Impact and Compression after Impact Properties of Hemp and Jute Fiber Reinforced Epoxy Composites	Patil S., Mallikarjuna Reddy D., Naveen J., Swamy S.S., P V., Venkatachalam G.	Journal of Natural Fibers	2022	
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A Survey on Different Computer Vision Based Human Activity Recognition for Surveillance Applications	Shenoy M.A., Thillaiarasu N.	Proceedings - 6th International Conference on Computing Methodologies and Communication, ICCMC 2022	2022	
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Hybrid Optimization based Power Efficient Route Discovery Model for Mobile Ad Hoc Networks	Malyadri N., Ramakrishna M.	Proceedings of the 2nd International Conference on Artificial Intelligence and Smart Energy, ICAIS 2022	2022	
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Effect of surface treatment on tensile and buckling characteristics of natural fibre based hybrid composites	Raghavendra B.S., Thyagaraj N.R., Shreyas P.S.	Materials Today: Proceedings	2022	
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Energy absorption of aluminium & steel tubes when compressed in uni-direction with quasi-static load between two flat plates	Manjunatha G., Bharath V.G., Dilip Kumar K.	Materials Today: Proceedings	2022	
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A comparative study of various techniques for crop Disease Detection and segmentation	Prakash V., Singh S., Aggarwal A.K., Raghav S., Sood S., Pandian M.T.	Proceedings - 4th International Conference on Smart Systems and Inventive Technology, ICSSIT 2022	2022	
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Damage resistance evaluation of E-glass and hybrid hemp-banana natural fiber composite helmet using drop weight impact test	Ravi Y.V., Kapilan N., Rajole S., Balaji Y.S., Varun Kumar Reddy N., Venkatesha B.K.	Materials Today: Proceedings	2022	
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Hybrid controller design using gain scheduling approach for compressor systems	Narasimhaiah D.M., Narayanappa C.K., Lakshmaiah G.S.	International Journal of Electrical and Computer Engineering	2022	
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Dynamics of ferromagnetic due to nonlinear thermal buoyancy when Cattaneo–Christov heat flux and magnetic dipole whose magnetic scalars are significant	Sreelakshmi T.K., Abraham A., Chethan A.S., El-Zahar E.R., Raju C.S.K., Raju B.T., Shah N.A.	Waves in Random and Complex Media	2022	
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An in silico ADMET, molecular docking study and microwave-assisted synthesis of new phosphorylated derivatives of thiazolidinedione as potential anti-diabetic agents	Addanki H.R., Vallabhaneni M.R., Chennamsetty S., Pullagura P., Sagurthi S.R., Pasupuleti V.R.	Synthetic Communications	2022	
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Robust Node Localization with Intrusion Detection for Wireless Sensor Networks	Punithavathi R., Thanga Selvi R., Latha R., Kadiravan G., Srikanth V., Shukla N.K.	Intelligent Automation and Soft Computing	2022	
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Investigations on Compression Behaviour of Short Reinforced NSC Columns	Sanjith J., Prabhakara R., Sudarshan M.S., Jayachandra	Lecture Notes in Civil Engineering	2022	
The onset of Darcy–Brinkman–Rayleigh–Benard convection in a composite system with thermal diffusion	Sumithra R., Komala B., Manjunatha N.	Heat Transfer	2022	
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Direct Torque Control of BOOST-VSI Fed Induction Motor Using SVPWM-PAM Technique	Potturi S., Mandi R.P.	Smart Innovation, Systems and Technologies	2022	
AKIRA—A Voice Based Virtual Assistant with Authentication	Bhonsle V.S., Thota S., Thota S.	Smart Innovation, Systems and Technologies	2022	
Development and performance analysis of novel cast aa7076-graphene amine-carbon fiber hybrid nanocomposites for structural applications	Patil A., Banapurmath N.R., Hunashyal A.M., Meti V.K.V., Mahale R.S.	Biointerface Research in Applied Chemistry	2022	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Tribological characteristics of Al6061, boron, and graphite hybrid metal matrix composites	Nagesh D., Raghavendra S., Sivaram N.M., Suresh S., Manjunatha B., Sanketh S.	Advances in Materials and Processing Technologies	2022	
Effect of microstructure, mechanical and wear on Al-CNTs/graphene hybrid MMC'S	Naik H R M., L H M., Malik V., Patel GC M., Saxena K.K., Lakshmikanthan A.	Advances in Materials and Processing Technologies	2022	
An enhanced mutual authentication and security protocol for IoT and cloud server	Panda P.K., Chattopadhyay S.	Information Security Journal	2022	
Predictive medicinal metabolites from Momordica dioica against comorbidity related proteins of SARS-CoV-2 infections	Sakshi C., Harikrishnan A., Jayaraman S., Choudhury A.R., Veena V.	Journal of Biomolecular Structure and Dynamics	2022	
Sequential One-Pot Synthesis of 2-Aminothiazoles Using Corresponding Ketones: Insights into Their Structural Features	Nagarajaiah H., Prasad N.L., Begum N.S.	Polycyclic Aromatic Compounds	2022	
Niger seed oil biodiesel as an emulsifier in diesel-ethanol blends for compression ignition engine	Srikanth H.V., Godiganur S., Manne B., Bharath Kumar S., Spurthy S.	International Journal of Ambient Energy	2022	
A secure cluster-based authentication and key management protocol for machine-type communication in the LTE network	Krishna Jyothi K., Chaudhari S.	International Journal of Computers and Applications	2022	
Web of Science Data				
Title of paper	Name of author	Title of journal	Year of Publication	
2017-18				
A survey on authentication schemes in VANETs for secured communication	Manvi, Sunilkumar S.; Tangade, Shrikan	VEHICULAR COMMUNICATIONS	2017	
A miniaturized metamaterial slot antenna for wireless applications	Ali, Tanweer; Saadh, A. W. Mohammad; Biradar, R. C.; Anguera, Jaume; Andujar, Aurora	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2017	
A COMPACT MULTIBAND ANTENNA USING lambda/4 RECTANGULAR STUB LOADED WITH METAMATERIAL FOR IEEE 802.11N AND IEEE 802.16E	Ali, Tanweer; Biradar, Rajashekhar. C.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	
A COMPACT HEXAGONAL SLOT DUAL BAND FREQUENCY RECONFIGURABLE ANTENNA FOR WLAN APPLICATIONS	Ali, Tanweer; Biradar, Rajashekhar C.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2017	
Metal ion-containing C3N3S3 coordination polymers chemisorbed to a copper surface as acid stable hydrogen evolution electrocatalysts	Vishwanath, R. S.; Kandaiah, Sakthivel	JOURNAL OF MATERIALS CHEMISTRY A	2017	
Bio-based diluents improve cold flow properties of dairy washed milk-scum biodiesel	Srikanth, H. V.; Venkatesh, J.; Godiganur, Sharanappa; Venkateswaran, S.; Manne, Bhaskar	RENEWABLE ENERGY	2017	
Relevance of microRNA 21 in Different Types of Hypertension	Sekar, Durairaj; Shilpa, B. R.; Das, Anupam J.	CURRENT HYPERTENSION REPORTS	2017	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Eco-concrete for sustainability: utilizing aluminium dross and iron slag as partial replacement materials	Javali, Shriraksha; Chandrashekar, A. R.; Naganna, Sujay Raghavendra; Manu, D. S.; Hiremath, Parameshwar; Preethi, H. G.; Kumar, N. Vinod	CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY	2017	
Event driven energy depth and channel aware routing for underwater acoustic sensor networks: Agent oriented clustering based approach	Bharamagoudra, Manjula R.; Manvi, SunilKumar S.; Gonen, Bilal	COMPUTERS & ELECTRICAL ENGINEERING	2017	
A potential white light emitting cubic ZrO ₂ :Dy ³⁺ , Li+ nano phosphors for solid state lighting applications	Prakashbabu, D.; Ramalingam, H. B.; Krishna, R. Hari; Nagabhushana, B. M.; Shivakumara, C.; Munirathnam, K.; Ponkumar, S.	JOURNAL OF LUMINESCENCE	2017	
Positron annihilation spectroscopy and photoluminescence investigation of LaOF:Tb ³⁺ nanophosphor fabricated via ultrasound assisted sonochemical route	Suresh, C.; Nagabhushana, H.; Darshan, G. P.; Basavaraj, R. B.; Sharma, S. C.; Sunitha, D. V.; Prasad, B. Daruka	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2017	
Driving the photoluminescent and structural properties of X-2-Y ₂ SiO ₅ by varying the dopant Dy ³⁺ concentration towards cool WLED applications	Ramakrishna, G.; Nagabhushana, H.; Hareesh, K.; Sunitha, D. V.	SOLID STATE SCIENCES	2017	
Investigation of disorder and its effect on electrical transport in electrochemically doped polymer devices by current-voltage and impedance spectroscopy	Khan, Motiur Rahman; Anjaneyulu, P.; Rao, K. S. R. Koteswara; Menon, R.	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2017	
Agent-based secure routing for underwater acoustic sensor networks	Bharamagoudra, Manjula R.; Manvi, Sunilkumar S.	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2017	
Whole Genome Sequencing Revealed Mutations in Two Independent Genes as the Underlying Cause of Retinal Degeneration in an Ashkenazi Jewish Pedigree	Gustafson, Kevin; Duncan, Jacque L.; Biswas, Pooja; Soto-Hermida, Angel; Matsui, Hiroko; Jakubosky, David; Suk, John; Telenti, Amalio; Frazer, Kelly A.; Ayyagari, Radha	GENES	2017	
An efficient orange-red-emitting LiNa ₃ P ₂ O ₇ :Sm ³⁺ pyrophosphate: Structural and optical analysis for solid-state lighting	Dillip, G. R.; Munirathnam, K.; Raju, B. Deva Prasad; Sushma, N. John; Joo, S. W.	LUMINESCENCE	2017	
A mutation in IFT43 causes non-syndromic recessive retinal degeneration	Biswas, Pooja; Duncan, Jacque L.; Ali, Muhammad; Matsui, Hiroko; Naeem, Muhammad Asif; Raghavendra, Pongali B.; Frazer, Kelly A.; Arts, Heleen H.; Riazuddin, Sheikh; Akram, Javed; Hejtmancik, J. Fielding; Riazuddin, S. Amer; Ayyagari, Radha	HUMAN MOLECULAR GENETICS	2017	
Experimental and numerical studies on buckling of laminated composite skew plates with circular holes under uniaxial compression	Srinivasa, C. V.; Kumar, W. P. Prema; Kumar, M. T. Prathap; Bangar, Ashok R.; Kumar, Pavan; Rudresh, M. S.	MECHANICS OF ADVANCED MATERIALS AND STRUCTURES	2017	
Tailoring the luminescence properties of Y ₂ O ₃ :Sm ³⁺ nanophosphors by 6 MeV electron beam irradiation	Sunitha, D. V.; Nagabhushana, H.; Hareesh, K.; Bhoraskar, V. N.; Dhole, S. D.	RADIATION MEASUREMENTS	2017	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Synthesis of Novel Five- and Six-Membered Ferrocene-Containing Heterocycles and Heteroaromatics via Cyclocondensation of 1-Ferrocenyl-3,3-bis(methylthio)prop-2-en-1-one with Various Bifunctional Nucleophiles	Singh, Prabal P.; Yugandar, S.; Kumar, S. Vijay; Ila, H.; Junjappa, H.	SYNTHESIS-STUTTGART	2017	
Extraction of Y2O3:Cr3+ nanophosphor by eco-friendly approach and its suitability for white light-emitting diode applications	Kumar, J. B. Prasanna; Ramgopal, G.; Sunitha, D. V.; Prasad, B. Daruka; Nagabhushana, H.; Vidya, Y. S.; Anantharaju, K. S.; Prashantha, S. C.; Sharma, S. C.; Prabhakara, K. R.	LUMINESCENCE	2017	
Charge transport mechanism in p-type copper ion containing triazine thiolate metallopolymer thin film devices	Deepak, K.; Roy, Amit; Anjaneyulu, P.; Kandaiah, Sakthivel; Pinjare, Sampatrao L.	JOURNAL OF APPLIED PHYSICS	2017	
Clock synchronization in wireless sensor networks using least common multiple	Tabassum, Nikhath; Devanagavi, Geetha D.; Biradar, Rajashekhar C.	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2017	
A 3-D Radio Irregularity Model (3DRIM) for Wireless Sensor Network	Anand, Niharika; Bellipady, Shamantha Rai; Ranjan, Rajeev; Varma, Shirshu	WIRELESS PERSONAL COMMUNICATIONS	2017	
Whole Genome Sequencing Revealed Mutations in Two Independent Genes as the Underlying Cause of Retinal Degeneration in an Ashkenazi Jewish Pedigree (vol 8, 210, 2017)	Gustafson, Kevin; Duncan, Jacque L.; Biswas, Pooja; Soto-Hermida, Angel; Matsui, Hiroko; Jakubosky, David; Suk, John; Telenti, Amalio; Frazer, Kelly A.; Ayyagari, Radha	GENES	2017	
Variable light emission by the mixture of 1:1 ratio of LiNa3P2O7:Sm3+ and LiNa3P2O7:Tb3+ phosphor under near UV excitation	Munirathnam, K.; Prakashbabu, D.	OPTIK	2017	
2018-19				
Review on Magnetocaloric Effect and Materials	Ram, N. Raghu; Prakash, M.; Naresh, U.; Kumar, N. Suresh; Sarmash, T. Sofi; Subbarao, T.; Kumar, R. Jeevan; Kumar, G. Ranjith; Naidu, K. Chandra Babu	JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM	2018	
A multiband reconfigurable slot antenna for wireless applications	Ali, Tanweer; Khaleeq, Mohammed Muzammil; Biradar, Rajashekhar C.	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2018	
Structural and functional properties of sol-gel synthesized and microwave heated Pb-0.8 Co0.2-zLazTiO3 (z=0.05-0.2) nanoparticles	Kumar, N. Suresh; Suvarna, R. Padma; Naidu, K. Chandra Babu; Kumar, G. Ranjith; Ramesh, S.	CERAMICS INTERNATIONAL	2018	
Decentralized and Scalable Privacy-Preserving Authentication Scheme in VANETs	Tangade, Shrikant; Manvi, Sunilkumar S.; Lorenz, Pascal	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	2018	
A multiband antenna loaded with metamaterial and slots for GPS/WLAN/WiMAX applications	Ali, Tanweer; Khaleeq, Mohammad Muzammil; Pathan, Sameena; Biradar, Rajashekhar C.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	
A fractal quad-band antenna loaded with L-shaped slot and metamaterial for wireless applications	Ali, Tanweer; Aw, Mohammad Saadh; Biradar, Rajashekhar C.	INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES	2018	
Parameter estimation for photovoltaic system under normal and partial shading conditions: A survey	Kumari, P. Ashwini; Geethanjali, P.	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	2018	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Consumer insight mining: Aspect based Twitter opinion mining of mobile phone reviews	Rathan, M.; Hulipalled, Vishwanath R.; Venugopal, K. R.; Patnaik, L. M.	APPLIED SOFT COMPUTING	2018	
A triple-band highly miniaturized antenna for WiMAX/WLAN applications	Ali, Tanweer; Biradar, Rajashekhar C.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	
A miniaturized multiband reconfigurable fractal slot antenna for GPS/GNSS/Bluetooth/WiMAX/X-band applications	Ali, Tanweer; Fatima, Nikhat; Biradar, Rajashekhar C.	AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS	2018	
Efficient Synthesis and in Silico Studies of the Benzimidazole Hybrid Scaffold with the Quinolonyloxadiazole Skeleton with Potential alpha-Glucosidase Inhibitory, Anticoagulant, and Antiplatelet Activities for Type-II Diabetes Mellitus Management and Treating Thrombotic Disorders	Bharadwaj, S. Shashidhar; Poojary, Boja; Nandish, Sharath Kumar M.; Kengaiyah, Jayanna; Kirana, Mugaranja P.; Shankar, Madan Kumar; Das, Anupam J.; Kulal, Ananda; Sannaningaiah, Devaraja	ACS OMEGA	2018	
A miniaturized slotted multiband antenna for wireless applications	Ali, Tanweer; Prasad, K. Durga; Biradar, Rajashekhar C.	JOURNAL OF COMPUTATIONAL ELECTRONICS	2018	
A Hybrid Moth-Flame Fuzzy Logic Controller Based Integrated Cuk Converter Fed Brushless DC Motor for Power Factor Correction	Kamalapathi, Kuditi; Priyadarshi, Neeraj; Padmanaban, Sanjeevikumar; Holm-Nielsen, Jens Bo; Azam, Farooque; Umayal, Chandrahasan; Ramachandaramurthy, Vigna K.	ELECTRONICS	2018	
A compact decagonal-shaped UWB monopole planar antenna with truncated ground plane	Ali, Tanweer; Subhash, B. K.; Pathan, Sameena; Biradar, Rajashekhar C.	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	
Photocatalytic degradation performance of Nd ³⁺ doped V ₂ O ₅ nanostructures	Navyashree, G. R.; Hareesh, K.; Sunitha, D., V; Nagabhushana, H.; Nagaraju, G.	MATERIALS RESEARCH EXPRESS	2018	
A miniaturized slotted ground structure UWB antenna for multiband applications	Ali, Tanweer; Saadh, Mohammad A. W.; Biradar, Rajashekhar C.; Andujar, Aurora; Anguera, Jaume	MICROWAVE AND OPTICAL TECHNOLOGY LETTERS	2018	
Flux influenced morphology tailoring and emission color tuning to pure white in ZrO ₂ :Eu ³⁺ phosphors	Ponkumar, S.; Janaki, K.; PrakashBabu, D.; Kumar, M. Madesh; Reddy, M. Madhusudana	JOURNAL OF LUMINESCENCE	2018	
Elevated temperature solid particle erosion behaviour of carbide reinforced CoCrAlY composite coatings	Nithin, H. S.; Desai, Vijay; Ramesh, M. R.	MATERIALS RESEARCH EXPRESS	2018	
Ruthenium ion containing N and S rich triazine based metallopolymer as a low overpotential acid stable electrocatalyst for hydrogen evolution	Udachyan, Iranna; Vishwanath, R. S.; Kumara, C. S. Pradeepa; Kandaiah, Sakthivel	JOURNAL OF CATALYSIS	2018	
Syn vs Anti Carboxylic Acids in Hybrid Peptides: Experimental and Theoretical Charge Density and Chemical Bonding Analysis	Pal, Rumpa; Reddy, M. B. Madhusudana; Dinesh, B.; Venkatesha, Manjunath A.; Grabowsky, Simon; Jelsch, Christian; Row, Tayur N. Guru	JOURNAL OF PHYSICAL CHEMISTRY A	2018	
ZrO ₂ : Sm ³⁺ nanophosphor: synthesis, Rietveld refinement, optical and thermoluminescent properties	Ponkumar, S.; Janaki, K.; Prakashbabu, D.; Ramalingam, H. B.; Munirathnam, K.; Sreekanth, T. V. M.; Dhoble, S. J.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2018	
Fault tolerant software systems using software configurations for cloud computing	Chinnaiah, Mylara Reddy; Niranjana, Nalini	JOURNAL OF CLOUD COMPUTING-ADVANCES SYSTEMS AND APPLICATIONS	2018	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
IFT88 mutations identified in individuals with non-syndromic recessive retinal degeneration result in abnormal ciliogenesis	Chekuri, Anil; Guru, Aditya A.; Biswas, Pooja; Branham, Kari; Borooah, Shyamanga; Soto-Hermida, Angel; Hicks, Michael; Khan, Naheed W.; Matsui, Hiroko; Alapati, Akhila; Raghavendra, Pongali B.; Roosing, Susanne; Sarangapani, Sripriya; Mathavan, Sinnakaruppan; Telenti, Amalio; Heckenlively, John R.; Riazuddin, S. Amer; Frazer, Kelly A.; Sieving, Paul A.; Ayyagari, Radha	HUMAN GENETICS	2018	
Combined effect of surface roughness and pressure-dependent viscosity over couple-stress squeeze film lubrication between circular stepped plates	Hanumagowda, B. N.; Raju, B. T.; Kumar, J. Santhosh; Vasanth, K. R.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART J-JOURNAL OF ENGINEERING TRIBOLOGY	2018	
Anti-Inflammatory, Radical Scavenging Mechanism of New 4-Aryl-[1,3]-thiazol-2-yl-2-quinoline Carbohydrazides and Quinoliny[1,3]-thiazolo[3,2-b][1,2,4]triazoles	Srinivasa, Shashidhar Bharadwaj; Poojary, Boja; Brahmavara, Usha; Das, Anupam Jyoti; Middha, Sushil Kumar	CHEMISTRYSELECT	2018	
Tetrazolo[1,5-a]pyrimidine-based metal(II) complexes as therapeutic agents: DNA interaction, targeting topoisomerase I and cyclin-dependent kinase studies	Haleel, Azees Khan; Mahendiran, Dharmasivam; Rafi, Ummer Muhammed; Veena, Vijaykumar; Shobana, Sugumar; Rahiman, Aziz Kalilur	INORGANIC AND NANO-METAL CHEMISTRY	2018	
Hot Corrosion Behaviour of Refractory and Rare Earth Oxide Reinforced CoCrAlY APS Coatings at 700 degrees C	Nithin, H. S.; Desai, V.; Ramesh, M. R.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2018	
Identification of the genetic determinants responsible for retinal degeneration in families of Mexican descent	Villanueva, Adda; Biswas, Pooja; Kishaba, Kameron; Suk, John; Tadimeti, Keerti; Raghavendra, Pongali B.; Nadeau, Karine; Lamontagne, Bruno; Busque, Lambert; Geoffroy, Steve; Mongrain, Ian; Asselin, Geraldine; Provost, Sylvie; Dube, Marie-Pierre; Nudleman, Eric; Ayyagari, Radha	OPHTHALMIC GENETICS	2018	
Influence of heat treatment on Cr and Fe-rich precipitates in thermally aged duplex steels	Vasanth, Shamanth; Krishna, Hemanth; Gopi, Karekera Rangaraju; Anne, Gajanan	EMERGING MATERIALS RESEARCH	2018	
Gamma irradiation effects on optical properties of CdTe quantum dots	Raju, S. P.; Hareesh, K.; Dhole, S. D.; Sanjeev, Ganesh	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	2018	
Visible-Light-Active Mixed-Valent Copper-Ion-Coordinated 2,5-Dimercapto-1,3,4-thiadiazole-Based p-Type Metallopolymer	Udachyan, Iranna; Kumara, Pradeepa; Vishwanath, R. S.; Kandaiah, Sakthivel	CHEMELECTROCHEM	2018	
Heat Transfer Enhancement in a High Power LED Using Heat Sink with Liquid Pockets	Sangmesh, B.; Gopalakrishna, K.; Manjunath, S. H.; Kumar, M. N.; Kumar, G. V.	JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH	2018	
Gamma radiation-assisted diffusion of Au nanoparticles in nanocavities of polycarbonate: nano-structural and surface properties	Hareesh, K.; Sunitha, D. V.; Ramya, P.; Williams, J. F.; Samarin, S.; Dhole, S. D.; Sanjeev, G.	MATERIALS RESEARCH EXPRESS	2018	

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Positron annihilation spectroscopy and photoluminescence investigation of LaOF:Tb ³⁺ nanophosphor fabricated via ultrasound assisted sonochemical route (vol 224, pg 28, 2017)	Suresh, C.; Nagabushana, H.; Darshan, G. P.; Basavaraj, R. B.; Sharma, S. C.; Sunitha, D. V.; Prasad, B. Daruka; Williams, J. F.; Hareesh, K.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2018	
Synthesis of Hitherto Unknown 4,4-Bis(methylthio)but-3-en-2-one-1,1,1,3-d(4) and its Application as 1,3-Dielectrophilic Building Block for the Synthesis of Deuterated Heterocycles and Aromatics	Charanraj, T. P.; Ramachandra, P.; Ramesh, N.; Junjappa, H.	LETTERS IN ORGANIC CHEMISTRY	2018	
2019-20				
Enhanced photocatalytic degradation of methylene blue dye using CuS-CdS nanocomposite under visible light irradiation	Mahanthappa, Mallappa; Kottam, Nagaraju; Yellappa, Shivaraj	APPLIED SURFACE SCIENCE	2019	
Novel Co and Ni metal nanostructures as efficient photocatalysts for photodegradation of organic dyes	Srinivas, M.; Venkata, Reddy Ch; Kakarla, Raghava Reddy; Shetti, Nagaraj P.; Reddy, M. S.; Anjanapura, V. Raghu	MATERIALS RESEARCH EXPRESS	2019	
An Ant Colony Optimized MPPT for Standalone Hybrid PV-Wind Power System with Single Cuk Converter	Priyadarshi, Neeraj; Ramachandaramurthy, Vigna K.; Padmanaban, Sanjeevikumar; Azam, Farooque	ENERGIES	2019	
A Novel Modified Sine-Cosine Optimized MPPT Algorithm for Grid Integrated PV System under Real Operating Conditions	Padmanaban, Sanjeevikumar; Priyadarshi, Neeraj; Holm-Nielsen, Jens Bo; Bhaskar, Mahajan Sagar; Azam, Farooque; Sharma, Amarjeet Kumar; Hossain, Eklas	IEEE ACCESS	2019	
Analysis of diabetes mellitus for early prediction using optimal features selection	Sneha, N.; Gangil, Tarun	JOURNAL OF BIG DATA	2019	
A Hybrid Photovoltaic-Fuel Cell for Grid Integration With Jaya-Based Maximum Power Point Tracking: Experimental Performance Evaluation	Padmanaban, Sanjeevikumar; Priyadarshi, Neeraj; Bhaskar, Mahajan Sagar; Holm-Nielsen, Jens Bo; Hossain, Eklas; Azam, Farooque	IEEE ACCESS	2019	
Modular multilevel converters technology: a comprehensive study on its topologies, modelling, control and applications	Raju, Manchala Naini; Sreedevi, J.; Mandi, Rajashekar P.; Meera, K. S.	IET POWER ELECTRONICS	2019	
Design Techniques of Super-Wideband Antenna Existing and Future Prospective	Balani, Warsha; Sarvagya, Mrinal; Ali, Tanweer; Pai, Manohara M. M.; Anguera, Jaume; Andujar, Aurora; Das, Saumya	IEEE ACCESS	2019	
Design of Rhenium Compounds in Targeted Anticancer Therapeutics	Collery, Philippe; Desmaele, Didier; Vijaykumar, Veena	CURRENT PHARMACEUTICAL DESIGN	2019	
Structural, optical and Mossbauer spectroscopic investigations on the environment of Fe in Fe-doped ZnO (Zn _{1-x} Fe _x O) ceramics synthesized by solution combustion method	Mahour, Laxmi Narayan; Choudhary, Harish Kumar; Kumar, Rajeev; Anupama, A. V.; Sahoo, Balaram	CERAMICS INTERNATIONAL	2019	

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Facile synthesis of CoFe ₂ O ₄ nanoparticles and application in removal of malachite green dye	Jinendra, Usha; Kumar, Jeethendra; Nagabhushana, B. M.; Raghu, Anjanapura, V; Bilehal, Dinesh	GREEN MATERIALS	2019	
In-situ preparation of nanostructured alpha-MnO ₂ /polypyrrole hybrid composite electrode materials for high performance supercapacitor	Shivakumara, S.; Munichandraiah, N.	JOURNAL OF ALLOYS AND COMPOUNDS	2019	
X-ray photoelectron spectroscopy and optical analysis of pure white light emitting Dy ³⁺ and Mn ²⁺ codoped Na ₃ Y(PO ₄) ₂ phosphors for solid-state lighting	Munirathnam, K.; Nagajyothi, P. C.; Prakashbabu, D.; Raju, B. Deva Prasad; Shim, J.	CERAMICS INTERNATIONAL	2019	
The rhenium(I)-diselenoether anticancer drug targets ROS, TGF-beta 1, VEGF-A, and IGF-1 in an in vitro experimental model of triple-negative breast cancers	Collery, Philippe; Veena, Vijay; Harikrishnan, Adhikesavan; Desmaele, Didier	INVESTIGATIONAL NEW DRUGS	2019	
Temperature and frequency dependence of complex impedance parameters of microwave sintered NiMg ferrites	Naidu, K. Chandra Babu; Kumar, N. Suresh; Kumar, G. Ranjith; Kumar, S. Naresh	JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY	2019	
Acetone and Diethyl ether: Improve cold flow properties of Dairy Washed Milkscum biodiesel	Srikanth, H. V.; Venkatesh, J.; Godiganur, Sharanappa; Manne, Bhaskar	RENEWABLE ENERGY	2019	
Fuzzy and PSO Based Clustering Scheme in Underwater Acoustic Sensor Networks Using Energy and Distance Parameters	Krishnaswamy, Vani; Manvi, Sunilkumar S.	WIRELESS PERSONAL COMMUNICATIONS	2019	
The TiO ₂ -graphene oxide-Hemin ternary hybrid composite material as an efficient heterogeneous catalyst for the degradation of organic contaminants	Munikrishnappa, C.; Kumar, Surender; Shivakumara, S.; Rao, G. Mohan; Munichandraiah, N.	JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES	2019	
MoS ₂ -graphene-CuNi ₂ S ₄ nanocomposite an efficient electrocatalyst for the hydrogen evolution reaction	Adarakatti, Prashanth Shivappa; Mahanthappa, Mallappa; Hughes, Jack P.; Rowley-Neale, Samuel J.; Smith, Graham C.; Ashoka, S.; Banks, Craig E.	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2019	
Monovalent ions co-doped SrTiO ₃ :Pr ³⁺ nanostructures for the visualization of latent fingerprints and can be red component for solid state devices	Yeshodamma, S.; Sunitha, D. V.; Basavaraj, R. B.; Darshan, G. P.; Prasad, B. Daruka; Nagabhushana, H.	JOURNAL OF LUMINESCENCE	2019	
Introgession of Root and Water Use Efficiency Traits Enhances Water Productivity: An Evidence for Physiological Breeding in Rice (<i>Oryza sativa</i> L.)	Dharmappa, Prathibha M.; Doddaraju, Pushpa; Malagondanahalli, Mohankumar V.; Rangappa, Raju B.; Mallikarjuna, N. M.; Rajendrareddy, Sowmya H.; Ramanjinappa, Ramachandra; Mavinahalli, Rajanna P.; Prasad, Trichy Ganesh; Udayakumar, Makarla; Sheshshayee, Sreeman M.	RICE	2019	
One-step gamma radiation aided diffusion of Ag-Au alloy nanoparticles into polycarbonate and its application towards the reduction of 4-Nitrophenol	Hareesh, K.; Sunitha, D. V.; Dhole, Sanjay D.; Bhoraskar, Vasanth N.; Phase, Deodatta M.; Williams, Jim	RADIATION PHYSICS AND CHEMISTRY	2019	
A compact two element MIMO antenna with improved isolation for wireless applications	Aw, M. S.; Ashwath, A. K.; Ali, T.	JOURNAL OF INSTRUMENTATION	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
EPS bound flavins driven mediated electron transfer in thermophilic <i>Geobacillus</i> sp.	Gurumurthy, Dummi Mahadevan; Bharagava, Ram Naresh; Kumar, Ashok; Singh, Bhaskar; Ashfaq, Muhammad; Saratale, Ganesh Dattatraya; Mulla, Sikandar I.	MICROBIOLOGICAL RESEARCH	2019	
Deterministic and stochastic processes driving the shift in the prokaryotic community composition in wastewater treatment plants of a coastal Chinese city	Hou, Liyuan; Mulla, Sikandar I.; Nino-Garcia, Juan Pablo; Ning, Daliang; Rashid, Azhar; Hu, Anyi; Yu, Chang-Ping	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2019	
Enhanced mosquitoicidal efficacy of colloidal dispersion of pyrethroid nanometric emulsion with benignity towards non-target species	Mishra, Prabhakar; Dutta, Sneha; Haldar, Manidipa; Dey, Priyanka; Kumar, Drishty; Mukherjee, Amitava; Chandrasekaran, Natarajan	ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY	2019	
Influence of Zn ²⁺ doping on the lattice defects and photoluminescence studies of Sr ₂ CeO ₄ :Eu ³⁺ nanophosphor: Applications for data encryption strategies	Sudheendra, H. S.; Darshan, G. P.; Basavaraj, R. B.; Naik, Yashwanth, V; Premakumar, H. B.; Nagabhushana, H.; Williams, J. F.; Hareesh, K.; Kokila, M. K.	OPTICAL MATERIALS	2019	
Q-FRPM: QoS-Centric Fault-Resilient Routing Protocol for Mobile-WSN Based Low Power Lossy Networks	Ganesh, D. R.; Patil, Kiran Kumari; Suresh, L.	WIRELESS PERSONAL COMMUNICATIONS	2019	
One-step bacterial assisted synthesis of CdS/rGO nanocomposite as Hydrogen production catalyst	Hareesh, K.; Dhole, Sanjay D.; Phase, Deodatta M.; Williams, Jim F.	MATERIALS RESEARCH BULLETIN	2019	
Ultrasound assisted fabrication of SrTiO ₃ nanopowders: Effect of electron beam induced structural and luminescence properties for solid state lightning and high temperature dosimetry applications	Yashodamma, S.; Darshan, G. P.; Basavaraj, R. B.; Udayabhanu; Nagabhushana, H.	OPTICAL MATERIALS	2019	
Detecting spammers on social network through clustering technique	Jose, Teena; Babu, Suvanam Sasidhar	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2019	
Tunable emission and energy-transfer mechanism of single-phase Na ₃ Y(PO ₄) ₂ :Ce ³⁺ , Mn ²⁺ phosphors for white LEDs	Vishwanath, R.; Munirathnam, K.; Vijaya, R.; Nagajyothi, P. C.	JOURNAL OF LUMINESCENCE	2019	
Investigation of the microstructure and wear behaviour of titanium compounds reinforced aluminium metal matrix composites	Mahesh, L.; Vinyas, M.; Reddy, J. Sudheer; Muralidhara, B. K.	MATERIALS RESEARCH EXPRESS	2019	
Anodic fabrication of nanostructured Cu _x S and CuNiS _x thin films and their hydrogen evolution activities in acidic electrolytes	Udachyan, Iranna; Vishwanath, R. S.; Kumara, Pradeep C. S.; Kandaiah, Sakthivel	NEW JOURNAL OF CHEMISTRY	2019	
Solution combustion synthesis of SrMoO ₄ nanophosphor using different molybdenum sources and study of its photocatalytic properties	Kusuma, M.; Jagannath, K., V	MATERIALS RESEARCH EXPRESS	2019	
RETRACTED: An efficient human tracking system using Haar-like and hog feature extraction (Retracted article. See DEC, 2022)	Prasanna, Dinesh; Prabhakar, M.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2019	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Biodiesel synthesis from <i>Garcinia gummii</i> -tutto (L. Robson) seed oil: fuel feasibility evaluation of a novel feedstock by homogeneous and heterogeneous transesterification	Rajagopalachar, Sreekanth; Joshi, S. S.; Reddy, Rana Pratap	BIOFUELS-UK	2019	
Finite-time synchronization of Markovian jumping complex dynamical networks and hybrid couplings	Anand, K. S.; Babu, G. A. Harish; Ali, M. Syed; Padmanabhan, S.	CHINESE JOURNAL OF PHYSICS	2019	
Experimental investigations of a low heat rejection (LHR) engine powered with Mahua oil methyl ester (MOME) with exhaust gas recirculation (EGR)	Kulkarni, Pratap S.; Sharanappa, G.; Ramesh, M. R.; Banapurmath, N. R.; Khandal, S. V.	BIOFUELS-UK	2019	
Dual split-three segment capacitor array Design Based Successive approximation ADC for Io-T ecosystem	Savitha, M.; Reddy, R. Venkat Siva	INTEGRATION-THE VLSI JOURNAL	2019	
gamma-Fe(2)O(3) nanoparticles modified glassy carbon electrode for the sensitive detection of folic acid	Ramu, Jagadish; Mahanthappa, Mallappa; Yellappa, Shivaraj; Chandrasekhar, Kothapalli Bannoth	MATERIALS RESEARCH EXPRESS	2019	
Visible-Light-Active Triazine-Thiadiazole-Based p-Type Copolymer with Stable Photoelectrochemical Behavior in Acidic Electrolytes	Udachyan, Iranna; Kandaiah, Sakthivel	JOURNAL OF PHYSICAL CHEMISTRY C	2019	
Molecular Interaction of Hemorrhheologic Agent, Pentoxifylline with Bovine Serum Albumin: An Approach to Investigate the Drug Protein Interaction Using multispectroscopic, Voltammetry and Molecular Modelling Techniques	Mallappa, Mahanthappa; Savanur, Mohammed Azharuddin; Gowda, Babu Giriya; Vishwanth, R. S.; Puthusseri, Bijesh	ZEITSCHRIFT FUR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS	2019	
An evidence of pseudo-elasticity in a caliber rolled Ti-6Al-4V alloy and its effect on tension-compression flow asymmetry	Babu, S. M. Jagadeesh; Murty, S. V. S. Narayana; Prabhu, N.; Kashyap, B. P.	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	2019	
DNA profiling and in vitro cytotoxicity studies of tetrazolo[1,5-a]pyrimidine-based copper(II) complexes	Haleel, Azees Khan; Rafi, Ummer Muhammed; Mahendiran, Dharmasivam; Mitu, Liviu; Veena, Vijaykumar; Rahiman, Aziz Kalilur	BIOMETALS	2019	
Effects of Temporary Alloying and Severe Plastic Deformation on Microstructure Evolution and Mechanical Properties of Ti-Alloys: A Comparative Study	Babu, S. M. Jagadeesh; Murty, S. V. S. Narayana; Prabhu, N.; Kapoor, R.; Singh, R. N.; Kashyap, B. P.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2019	
Synchrotron X-ray radiation assisted synthesis of Ag/Polycarbonate and Au/Polycarbonate polymer matrix and its pollutant degradation application	Hareesh, K.; Sunitha, D., V; Dhamgaye, Vishal P.; Dhole, Sanjay D.; Bhoraskar, Vasanth N.; Phase, Deodatta M.	NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS	2019	
A review of the open-access scenario in Afghanistan	Dandawate, Vrushali Sainath; Dhanamjaya, M.	LIBRARY HI TECH	2019	
Improved Cohesive Energy of Metallic Nanoparticles by Using L-J Potential with Structural Effect	Nayak, P.; Naik, S. R.; Sar, D. K.	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE	2019	
Vanadium pentoxide nanorods in latent finger print detection	Navyashree, G. R.; Hareesh, K.; Nagabhushana, H.; Nagaraju, G.; Sunitha, D., V	MATERIALS RESEARCH EXPRESS	2019	

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Potential dependent growth of Cu(OH)(2) nanostructures on Cu and their thermal conversion to mixed-valent copper oxides p-type photoelectrode	Udachyan, Iranna; Vishwanath, R. S.; Kumara, C. S. Pradeepa; Kandaiah, Sakthiuel	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2019	
Artificial Neural Network Technique for Statistical Downscaling of Global Climate Model	Laddimath, R. S.; Patil, N. S.	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	2019	
Potential Cyclooxygenase (COX-2) Enzyme Inhibitors from Myrica nagi-from in-silico to in-vitro Investigation	Kumar, H. P. Prashanth; Panda, Prachurjya; Karunakar, Prashantha; Shiksha, Kotikalapudi; Singh, Laxmi; Ramesh, Nijalingappa; Usha, Talambedu; Middha, Sushil Kumar	PHARMACOGNOSY MAGAZINE	2019	
Al-27 MAS NMR investigations on Al23Te77 glass: Observation of 5-coordinated Al and its influence on electrical switching	Wilson, P. T.; Chahal, Shweta; Pumljanmunga; Kumar, M. Madesh; Ramesh, K.	SOLID STATE COMMUNICATIONS	2019	
Nature-inspired synthesis of ZrO2:Dy3+ viable for WLED applications	Prakashbabu, D.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2019	
Influence of ageing on kinetics and strain-hardening behaviour of duplex stainless steels	Vasanth, Shamanth; Krishna, Hemanth; Sonnappa, Devaraj; Nithin, Hiriyalu Shivegowda; Kataraki, Pramod Kumar	EMERGING MATERIALS RESEARCH	2019	
A robust pre-coding and hybrid equalization assisted MIMO-MU visible light communication system for QoS centric indoor communication	Ali, Tanweer; Balani, Warsha	TELECOMMUNICATION SYSTEMS	2019	
Electron beam exposure- structural immunity and color tuning in Al2O3-ZrO2:Dy3+ binary matrix prepared by a hybrid approach	Ponkumar, S.; Janaki, K.; PrakashBabu, D.; Krishna, R. Hari	JOURNAL OF LUMINESCENCE	2019	
Influence of 120 MeV Si9+ ion irradiation on ZnTe semiconductor thin films	Pattar, Jayadev; PrakashBabu, D.; Krishna, K. M. Bala; Mahesh, H. M.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2019	
Clustering-based approach for medical data classification	Kodabagi, Mallikarjun M.; Tikotikar, Ahelam	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	2019	
Comparative study on low energy ion beam modification of thermoplastic polymers	Raveesha, P. M.; Hareesh, K.; Dhole, S. D.; Asokan, K.; Sanjeev, Ganesh	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2019	
Solution combustion synthesis of porous beta-BaSO4 nanopowder using benzenesulfonyl methylimidazolium chloride as fuel and sulfonating agent	Jagannath, K., V; Kusuma, M.	MATERIALS RESEARCH EXPRESS	2019	
Reliable Hybrid Multicast Routing in Mobile Ad Hoc Networks: Reinforcement Learning-based Approach	Walikar, Gyanappa A.; Biradar, Rajashekhar C.	AD HOC & SENSOR WIRELESS NETWORKS	2019	
2020-21				
Polyphenylsulfone/multiwalled carbon nanotubes mixed ultrafiltration membranes: Fabrication, characterization and removal of heavy metals Pb2+, Hg2+, and Cd2+ from aqueous solutions	Nayak, M. Chandrashekhar; Isloor, Arun M.; Inamuddin; Lakshmi, B.; Marwani, Hadi M.; Khan, Imran	ARABIAN JOURNAL OF CHEMISTRY	2020	

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6-Substituted benzothiazole based dispersed azo dyes having pyrazole moiety: Synthesis, characterization, electrochemical and DFT studies	Maliyappa, M. R.; Keshavayya, J.; Mahanthappa, Mallappa; Shivaraj, Y.; Basavarajappa, K., V	JOURNAL OF MOLECULAR STRUCTURE	2020	
Development of ultrasound aided chemical pretreatment methods to enrich saccharification of wheat waste biomass for polyhydroxybutyrate production and its characterization	Saratale, Ganesh Dattatraya; Saratale, Rijuta Ganesh; Varjani, Sunita; Cho, Si-Kyung; Ghodake, Gajanan S.; Kadam, Avinash; Mulla, Sikandar, I; Bharagava, Ram Naresh; Kim, Dong-Su; Shin, Han Seung	INDUSTRIAL CROPS AND PRODUCTS	2020	
Synthesis and characterization of nano graphene and ZrO ₂ reinforced Al 6061 metal matrix composites	Boppana, Satish Babu; Dayanand, Samuel; Kumar, Anil M. R.; Kumar, Vijee; Aravinda, T.	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2020	
A review on Graphitic Carbon Nitride based binary nanocomposites as supercapacitors	Ashritha, M. G.; Hareesh, K.	JOURNAL OF ENERGY STORAGE	2020	
Homogeneous selection drives antibiotic resistance in two adjacent sub- watersheds, China	Hu, Anyi; Wang, Hongjie; Li, Jiangwei; Mulla, Sikandar, I; Qiu, Quanyi; Tang, Lina; Rashid, Azhar; Wu, Yang; Sun, Qian; Yu, Chang-Ping	JOURNAL OF HAZARDOUS MATERIALS	2020	
New CUK-SEPIC converter based photovoltaic power system with hybrid GSA-PSO algorithm employing MPPT for water pumping applications	Priyadarshi, Neeraj; Bhaskar, Mahajan Sagar; Padmanaban, Sanjeevikumar; Blaabjerg, Frede; Azam, Farooque	IET POWER ELECTRONICS	2020	
A Hybrid Photovoltaic-Fuel Cell-Based Single-Stage Grid Integration With Lyapunov Control Scheme	Priyadarshi, Neeraj; Padmanaban, Sanjeevikumar; Bhaskar, Mahajan Sagar; Blaabjerg, Frede; Holm-Nielsen, Jens Bo; Azam, Farooque; Sharma, Amarjeet Kumar	IEEE SYSTEMS JOURNAL	2020	
Trust Management Scheme Based on Hybrid Cryptography for Secure Communications in VANETs	Tangade, Shrikant; Manvi, Sunilkumar S.; Lorenz, Pascal	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	2020	
Mechanistic insights into the sol-gel synthesis of complex (quaternary) Co-Mn-Zn-spinel ferrites: An annealing dependent study	Bhandare, Shilpa, V; Kumar, R.; Anupama, A., V; Choudhary, H. K.; Jali, V. M.; Sahoo, B.	CERAMICS INTERNATIONAL	2020	
Effect of Mg-substitution in Co-Ni-Ferrites: Cation distribution and magnetic properties	Bhandare, S., V; Kumar, R.; Anupama, A., V; Mishra, M.; Kumar, R. Vijaya; Jali, V. M.; Sahoo, B.	MATERIALS CHEMISTRY AND PHYSICS	2020	
Response surface methodology-based optimization of biosurfactant production from isolated Bacillus aryabhata strain ZDY2	Yaraguppi, Deepak A.; Bagewadi, Zabin K.; Muddapur, Uday M.; Mulla, Sikandar I.	JOURNAL OF PETROLEUM EXPLORATION AND PRODUCTION TECHNOLOGY	2020	
Investigation of photocatalytic degradation of reactive textile dyes by Portulaca oleracea-functionalized silver nanocomposites and exploration of their antibacterial and antidiabetic potentials	Saratale, Ganesh Dattatraya; Saratale, Rijuta Ganesh; Cho, Si-Kyung; Ghodake, Gajanan; Bharagava, Ram Naresh; Park, Yooheon; Mulla, Sikandar, I; Kim, Dong-Su; Kadam, Avinash; Nair, Supriya; Shin, Han-Seung	JOURNAL OF ALLOYS AND COMPOUNDS	2020	
Statistical optimization and characterization of bacterial cellulose produced by isolated thermophilic Bacillus licheniformis strain ZBT2	Bagewadi, Zabin K.; Bhavikatti, Jayateerth S.; Muddapur, Uday M.; Yaraguppi, Deepak A.; Mulla, Sikanda I.	CARBOHYDRATE RESEARCH	2020	

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Dendritic Ferroselite (FeSe ₂) with 2D Carbon-Based Nanosheets of rGO and g-C ₃ N ₄ as Efficient Catalysts for Electrochemical Hydrogen Evolution	Shwetharani, R.; Kapse, Samadhan; Thapa, Ranjit; Nagaraju, D. H.; Balakrishna, R. Geetha	ACS APPLIED ENERGY MATERIALS	2020	
Synthesis of Citrus Limon mediated SnO ₂ -WO ₃ nanocomposite: Applications to photocatalytic activity and electrochemical sensor	Manjunatha, A. S.; Pavithra, N. S.; Shivanna, M.; Nagaraju, G.; Ravikumar, C. R.	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	2020	
Internet of things augmented a novel PSO-employed modified zeta converter-based photovoltaic maximum power tracking system: hardware realisation	Priyadarshi, Neeraj; Padmanaban, Sanjeevikumar; Holm-Nielsen, Jens Bo; Bhaskar, Mahajan Sagar; Azam, Farooque	IET POWER ELECTRONICS	2020	
Gamma-irradiation induced modifications in structural and magnetic properties of nanocrystalline Mn _{0.5} Zn _{0.5} S _m Fe _{2-x} O ₄ ceramics	Anupama, A., V; Kumar, R.; Choudhary, H. K.; Angadi, V. Jagadeesha; Somashekarappa, H. M.; Rudraswamy, B.; Sahoo, B.	RADIATION PHYSICS AND CHEMISTRY	2020	
Processes for the removal of triclosan in the environment and engineered systems: a review	Mulla, Sikandar, I; Asefi, Bahareh; Bharagava, Ram Naresh; Saratale, Ganesh Dattatraya; Li, Jiangwei; Huang, Chu-Long; Yu, Chang-Ping	ENVIRONMENTAL REVIEWS	2020	
Enhanced photocatalytic activity of N, P, co-doped carbon quantum dots: An insight from experimental and computational approach	Yashwanth, H. J.; Rondiya, Sachin R.; Dzade, Nelson Y.; Dhole, S. D.; Phase, D. M.; Hareesh, K.	VACUUM	2020	
Larvicidal Activities of 2-Aryl-2,3-Dihydroquinazolin-4-ones against Malaria Vector Anopheles arabiensis, In Silico ADMET Prediction and Molecular Target Investigation	Venugopala, Katharigatta N.; Ramachandra, Pushpalatha; Tratratt, Christophe; Gleiser, Raquel M.; Bhandary, Subhrajyoti; Chopra, Deepak; Morsy, Mohamed A.; Aldhubiab, Bandar E.; Attimarad, Mahesh; Nair, Anroop B.; Sreeharsha, Nagaraja; Venugopala, Rashmi; Deb, Pran Kishore; Chandrashekarappa, Sandeep; Khalil, Hany Ezzat; Alwassil, Osama I.; Abed, Sara Nidal; Bataineh, Yazan A.; Palenge, Ramachandra; Haroun, Michelyne; Pottathil, Shinu; Girish, Meravanige B.; Akrawi, Sabah H.; Mohanlall, Viresh	MOLECULES	2020	
Response of prokaryotic communities to extreme precipitation events in an urban coastal lagoon: A case study of Yundang lagoon, China	Wang, Hongjie; Yang, Xiaoyong; Chen, Qingfu; Su, Jian-Qiang; Mulla, Sikandar, I; Rashid, Azhar; Hu, Anyi; Yu, Chang-Ping	SCIENCE OF THE TOTAL ENVIRONMENT	2020	
Numerical investigation on magnetohydrodynamics flow of Casson fluid over a deformable porous layer with slip conditions	Krishna Murthy, M.	INDIAN JOURNAL OF PHYSICS	2020	
Hydrometallurgical process for the recovery of yttrium from spent fluorescent lamp: Leaching and crystallization experiments	Saratale, Rijuta Ganesh; Kim, Hee-Young; Park, Yooheon; Shin, Han Seung; Ghodake, Gajanan; Bharagava, Ram Naresh; Mulla, Sikandar, I; Kim, Dong-Su; Saratale, Ganesh Dattatraya	JOURNAL OF CLEANER PRODUCTION	2020	

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Synthesis and electrical properties of polyaniline-cerium oxide composites	Ashwini, I. S.; Pattar, Jayadev; Anjaneyulu, Ponnamp; Prakash Babu, D.; Sreekanth, R.; Manohara, S. R.; Nagaraja, M.	SYNTHETIC METALS	2020	
Synthesis and optimization of Dy-doped SrZr ₄ (PO ₄) ₆ nanophosphors for plant growth light-emitting diodes	Munirathnam, K.; Rajavaram, Ramaraghavulu; Nagajyothi, P. C.; Thiagaraj, S.; Srinivas, M.	SOLID STATE SCIENCES	2020	
Enhancement of e-commerce security through asymmetric key algorithm	Dijesh, P.; Babu, Suvanamp; Sasidhar; Vijayalakshmi, Yellepeddi	COMPUTER COMMUNICATIONS	2020	
Combustion, performance, and emission characteristics of dairy-washed milk scum biodiesel in a dual cylinder compression ignition engine	Srikanth, H., V; Venkatesh, J.; Godiganur, Sharanappa; Manne, Bhaskar; Kumar, S. Bharath; Spurthy, S.	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2020	
Structural and functional characterization of bacterial cellulose from <i>Enterobacter hormaechei</i> subsp. <i>steigerwaltii</i> strain ZKE7	Bagewadi, Zabin K.; Dsouza, Venessa; Mulla, Sikandar, I; Deshpande, Sanjay H.; Muddapur, Uday M.; Yaraguppi, Deepak A.; Reddy, Vaddi Damodara; Bhavikatti, Jayateerth S.; More, Sunil S.	CELLULOSE	2020	
Crystallography, in Silico Studies, and In Vitro Antifungal Studies of 2,4,5 Trisubstituted 1,2,3-Triazole Analogues	Venugopala, Katharigatta N.; Khedr, Mohammed A.; Girish, Yarabahally R.; Bhandary, Subhrajyoti; Chopra, Deepak; Morsy, Mohamed A.; Aldhubiab, Bandar E.; Deb, Pran Kishore; Attimarad, Mahesh; Nair, Anroop B.; Sreeharsha, Nagaraja; Rashmi, V; Kandeel, Mahmoud; Akrawi, Sabah H.; Reddy, Madhusudana M. B.; Shashikanth, Sheena; Alwassil, Osama, I; Mohanlall, Viresh	ANTIBIOTICS-BASEL	2020	
Electrochemical Determination of Hematoxylin by Pretreated ZnO Nanoflakes Modified Carbon Paste Electrode in the Absence and Presence of Eosin Y	Kumar, Mohan; Swamy, B. E. Kumara; Reddy, Sathish; Kumara, J. K. Shashi; Zhao, Wei	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	2020	
A New Model Applied for Evaluating a Rhenium-diselenium Drug: Breast Cancer Cells Stimulated by Cytokines Induced from Polynuclear Cells by LPS	Veena, Vijay; Harikrishnan, Adhikesavan; Lakshmi, Basavegowda; Khanna, Sunali; Desmaele, Didier; Collery, Philippe	ANTICANCER RESEARCH	2020	
Exosomes: Novel Players of Therapy Resistance in Neuroblastoma	Richard, Heather; Pokhrel, Arya; Chava, Srinivas; Pathania, Anup; Katta, Santharam S.; Challagundla, Kishore B.	TUMOR MICROENVIRONMENT: MOLECULAR PLAYERS, PT B	2020	
Interface-Driven Multifunctionality in Two-Dimensional TiO ₂ Nanosheet/Poly(Dimercaptothiadiazole-Triazine) Hybrid Resistive Random Access Memory Device	Kumari, Anju; Shanbogh, Shobith M.; Udachyan, Iranna; Kandaiah, Sakthivel; Roy, Amit; Varade, Vaibhav; Ponnamp, Anjaneyulu	ACS APPLIED MATERIALS & INTERFACES	2020	
Comparative genomics of rice false smut fungi <i>Ustilago virens</i> Uv-Gvt strain from India reveals genetic diversity and phylogenetic divergence	Pramesh, Devanna; Prasannakumar, Muthukapalli K.; Muniraju, Kondarajanahally M.; Mahesh, H. B.; Pushpa, H. D.; Manjunatha, Channappa; Saddamhusen, Alase; Chidanandappa, E.; Yadav, Manoj K.; Kumara, Masalavada K.; Sharanabasav, Huded; Rohith, B. S.; Banerjee, Gaurab; Das, Anupam J.	3 BIOTECH	2020	

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Bio-inspired dimensionality reduction for Parkinson's disease (PD) classification	Pasha, Akram; Latha, P. H.	HEALTH INFORMATION SCIENCE AND SYSTEMS	2020	
Congestion-aware wireless network-on-chip for high-speed communication	Devanathan, M.; Ranganathan, V; Sivakumar, P.	AUTOMATIKA	2020	
Degradation and detoxification of leather tannery effluent by a newly developed bacterial consortium GS-TE1310 for environmental safety	Saxena, Gaurav; Purchase, Diane; Mulla, Sikandar I.; Bharagava, Ram Naresh	JOURNAL OF WATER PROCESS ENGINEERING	2020	
Polyhydroxyalkanoate synthesis by bacteria isolated from landfill and ETP with pomegranate peels as carbon source	Rayasam, Vijay; Chavan, Pooja; Kumar, Tarika	ARCHIVES OF MICROBIOLOGY	2020	
Novel pyrazolo[3,4-d]pyrimidine derivatives inhibit human cancer cell proliferation and induce apoptosis by ROS generation	Gaonkar, Supreet; Savanur, Mohammed Azharuddin; Nadaf, AfraQuasar A.; Najare, Mahesh S.; Mantur, Shivaraj; Garbhagudi, Manjunatha; Mulla, Sikandar I.; Khazi, Imtiaz Ahmed M.	ARCHIV DER PHARMAZIE	2020	
Fuel properties of B100 and blends of Terminalia belerica (Roxb.) oil biodiesel synthesised using SrO as a basic heterogeneous catalyst	Sreekanth, R.; Joshi, S. S.; Reddy, Rana Pratap	BIOFUELS-UK	2020	
Synchronization of Singular Markovian Jumping Neutral Complex Dynamical Networks with Time-Varying Delays via Pinning Control	Anand, K. S.; Yogambigai, J.; Harish Babu, G. A.; Ali, M. Syed; Padmanabhan, S.	ACTA MATHEMATICA SCIENTIA	2020	
Synthesis of Terminal Thiazoles from N-Protected Amino Acids and a Study of Their Antibacterial Activities	Lalithamba, H. S.; Uma, K.; Gowthami, T. S.; Nagendra, G.	ORGANIC PREPARATIONS AND PROCEDURES INTERNATIONAL	2020	
Social bat optimisation dependent deep stacked auto-encoder for skin cancer detection	Majji, Ramachandro; Om Prakash, Ponnusamy Gnanaprakasam; Cristin, Rajan; Parthasarathy, Govindaswamy	IET IMAGE PROCESSING	2020	
Synthesis, characterization, crystal structure and anticancer activity of tetrahydro-quinolines using silica iodide as a heterogeneous catalyst	Ramesh, K. B.; Omkaramurthy, B. M.; Srinivas, M.	JOURNAL OF MOLECULAR STRUCTURE	2020	
Role of heat treatment on the structural and luminescence properties of Yb ³⁺ /Ln(3+) (Ln = Tm, Ho and Er) co-doped LaF ₃ nanoparticles	Poma, Patricia Y.; Sales, Tasso O.; Kumar, Kagola U.; Jacinto, Carlos	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2020	
An Overview on Graphene-Metal Oxide Semiconductor Nanocomposite: A Promising Platform for Visible Light Photocatalytic Activity for the Treatment of Various Pollutants in Aqueous Medium	Mandal, Soumen; Mallapur, Srinivas; Reddy, Madhusudana; Singh, Jitendra Kumar; Lee, Dong-Eun; Park, Taejoon	MOLECULES	2020	
Anti-tumor effects of Artemisia nilagirica extract on MDA-MB-231 breast cancer cells: deciphering the biochemical and biomechanical properties via TGF-beta upregulation	Raju, Shilpa R.; Balakrishnan, Sreenath; Kollimada, Somanna; Chandrashekar, K. N.; Jampani, Aruna	HELIYON	2020	

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Nephro-protective activity of wheatgrass juice against alcohol-induced oxidative damage in rats	Hebbani, Ananda Vardhan; Bulle, Saradamma; Kanu, Venkateswarlu Reddy; Balachandrababu Malini, Asha; Reddy, Vaddi Damodara; Chakravarthula, Varadacharyulu Nallan	TOXICOLOGY MECHANISMS AND METHODS	2020	
Molecular docking, PKPD, and assessment of toxicity of few chalcone analogues as EGFR inhibitor in search of anticancer agents	Reddy, PurraBuchi; Reddy, M. B. Madhusudhana; Reddy, Ramkrishna; Chhajed, Santosh; Gupta, Pramodkumar P.	STRUCTURAL CHEMISTRY	2020	
Frequency dependence of AC conductivity and dielectric properties evaluation of in-situ prepared polyaniline/manganese dioxide composite	Kulakarni, Yankappa A.; Jagadeesh, M. R.; Jambaladinni, Sahebagouda; Kumar, H. M. Suresh; Vasanthkumar, M. S.; Shivakumara, S.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2020	
Photoluminescence of mixed phase CaSiO ₃ :Ce ³⁺ nanophosphors	Dhanu, R.; Prakashbabu, D.; Bindu, P.; Kumar, M. Madesh; Ponkumar, S.; Krishna, R. Hari; Rahulan, K. Mani	OPTIK	2020	
Characterization and Evaluation of Joint Properties of FSWed AA6061/SiC/FA Hybrid AMCs Using Different Tool Pin Profiles	Sachinkumar; Narendranath, S.; Chakradhar, D.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2020	
Defect related photoluminescence study of V ₂ O ₅ : Dy ³⁺ nanostructures	Navyashree, G. R.; Sunitha, D. V.; Hareesh, K.; Nagaraju, G.	OPTIK	2020	
Optimized neural network model for attack detection in LTE network	Jyothi, K. Krishna; Chaudhari, Shilpa	COMPUTERS & ELECTRICAL ENGINEERING	2020	
Comparative node selection-based localization technique for wireless sensor networks: A bilateration approach	Tabassum, Nikhath; Devanagavi, Geetha D.; Biradar, Rajashekhar C.; Lazarescu, Mihai T.	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2020	
Anomalous current-voltage and impedance behaviour in doped Poly 3-methylthiophene devices	Anjaneyulu, P.; Varade, Vaibhav; Sangeeth, C. S. Suchand; Menon, Reghu	JOURNAL OF PHYSICS D-APPLIED PHYSICS	2020	
Local structure and electrical switching in Al ₂₀ Te ₇ X ₅ (X = Si, Ge, As, Sb) glasses	Wilson, P. T.; Ramanna, R.; Chahal, Shweta; Shekhawat, Roopali; Kumar, M. Madesh; Ramesh, K.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2020	
Optimal DBN-based distributed attack detection model for Internet of Things	Ramesh Babu, Meenigi; Veena, Kalludi Narasimhaiah	INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS	2020	
A novel piracy protection scheme for videos using force-induced pixels	Bhadra, Jayati; Murthy, M. Vinayaka; Banga, M. K.	MULTIMEDIA TOOLS AND APPLICATIONS	2020	
Molecular Modelling and Insilico Engineering of PapMV-CP Towards Display and Development of Capripox Viral Like Particles Based on Immunogenic P32 Envelop Protein is the Homologous of the Vaccinia-Viral H3L Gene: An Insilico Approach	Kumar, Burranboina Kiran; Kumar, K. M.; Reddy, G. B. Manjunatha; Abraham, Sunil; Yogisharadhya, R.; Prashantha, C. N.	INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS	2020	
STABILIZED DOMAIN-WALL PINNING IN A CONSTRICTED NANOWIRE	Prashanth, Basutkar Umamaheshwar Venkata; Ahmed, Mohammed Riyaz	MATERIALI IN TEHNOLOGIJE	2020	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Influence of electron beam irradiation on structural, thermo and photoluminescence properties of SrTiO ₃ :Sm ³⁺ nanophosphor	Yeshodamma, S.; Hareesh, K.; Nagabhushana, H.; Dwivedi, Jishnu; Petwal, V. C.; Sunitha, D. V.	OPTIK	2020	
TLSA: A Two Level Scheduling Algorithm for Multiple packets Arrival in TSCH Networks	Asuti, Manjunath G.; Basarkod, Prabhugoud I.	KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS	2020	
Anti-biofilm efficiency of 120 MeV Fe ⁹⁺ SHI-irradiated polyimide film	Joshi, R. P.; Hareesh, K.; Bhadane, M. S.; Bankar, A., V.; Asokan, K.; Dahiwale, S. S.; Bhoraskar, V. N.; Dhole, S. D.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2020	
Investigations on Electrical Resistivity and Dielectric Properties of Dy Doped MgO-ZrO ₂ Composite Material	Marappa, B.; Pattar, Vinayak; Munirathnam, K.; Rudresha, M. S.	ECS JOURNAL OF SOLID STATE SCIENCE AND TECHNOLOGY	2020	
Towards a Model of Urban Studies Classification	Balaji, B. Preedip; Dhanamjaya, M.	KNOWLEDGE ORGANIZATION	2020	
CNTs-COOH Paste Electrode for Detection of Temozolomide	Reddy, Sathish; Archana, Gade; Zhao, Rong; Qiao, Xiao; Shenfeng, Chen; Haigian, Liu; He, Liumin; Ramakrishana, Seeram	IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION	2020	
2021-22				
A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams	Saratale, Rijuta Ganesh; Cho, Si-Kyung; Saratale, Ganesh Dattatraya; Kadam, Avinash A.; Ghodake, Gajanan S.; Kumar, Manu; Bharagava, Ram Naresh; Kumar, Gopalakrishnan; Kim, Dong Su; Mulla, Sikandar, I; Shin, Han Seung	BIORESOURCE TECHNOLOGY	2021	
Single-Atom (Iron-Based) Catalysts: Synthesis and Applications	Singh, Baljeet; Gawande, Manoj B.; Kute, Arun D.; Varma, Rajender S.; Fornasiero, Paolo; McNeice, Peter; Jagadeesh, Rajenahally, V; Beller, Matthias; Zboril, Radek	CHEMICAL REVIEWS	2021	
COVID-19 and Cancer Comorbidity: Therapeutic Opportunities and Challenges	Pathania, Anup S.; Prathipati, Philip; Abdul, Bakrudeen A. A.; Chava, Srinivas; Katta, Santharam S.; Gupta, Subash C.; Gangula, Pandu R.; Pandey, Manoj K.; Durden, Donald L.; Byrareddy, Siddappa N.; Challagundla, Kishore B.	THERANOSTICS	2021	
An efficient metaheuristic algorithm based feature selection and recurrent neural network for DoS attack detection in cloud computing environment	SaiSindhuTheja, Reddy; Shyam, Gopal K.	APPLIED SOFT COMPUTING	2021	
Providing diagnosis on diabetes using cloud computing environment to the people living in rural areas of India	Rajput, Dharmendra Singh; Bash, Syed Muzamil; Xin, Qin; Gadekallu, Thippa Reddy; Kaluri, Rajesh; Lakshmana, Kuruva; Maddikunta, Praveen Kumar Reddy	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	
Infrared photodetectors based on multiwalled carbon nanotubes: Insights into the effect of nitrogen doping	Kumar, Rajeev; Khan, Mustaque A.; Anupama, A., V; Krupanidhi, Saluru B.; Sahoo, Balaram	APPLIED SURFACE SCIENCE	2021	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Harnessing the biocatalytic attributes and applied perspectives of nanoengineered laccases-A review	Bilal, Muhammad; Ashraf, S. Salman; Cui, Jiandong; Lou, Wen-Yong; Franco, Marcelo; Mulla, Sikandar, I; Iqbal, Hafiz M. N.	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2021	
Enhanced visible light-driven photocatalysis of iron-oxide/titania composite: Norfloxacin degradation mechanism and toxicity study	Mohan, Harshavardhan; Ramasamy, Mohankandhasamy; Ramalingam, Vaikundamoorthy; Natesan, Karthi; Duraisamy, Maruthamani; Venkatachalam, Janaki; Shin, Taeho; Seralathan, Kamala-Kannan	JOURNAL OF HAZARDOUS MATERIALS	2021	
Highly efficient visible light driven photocatalytic activity of zinc/ferrite: Carbamazepine degradation, mechanism and toxicity assessment	Mohan, Harshavardhan; Ramalingam, Vaikundamoorthy; Adithan, Aravinthan; Natesan, Karthi; Seralathan, Kamala-Kannan; Shin, Taeho	JOURNAL OF HAZARDOUS MATERIALS	2021	
A Comprehensive Review of Authentication Schemes in Vehicular Ad-Hoc Network	Azam, Farooque; Yadav, Sunil Kumar; Priyadarshi, Neeraj; Padmanaban, Sanjeevikumar; Bansal, R. C.	IEEE ACCESS	2021	
Degradation mechanism and toxicity reduction of methyl orange dye by a newly isolated bacterium Pseudomonas aeruginosa MZ520730	Kishor, Roop; Purchase, Diane; Saratale, Ganesh Dattatraya; Romanholo Ferreira, Luiz Fernando; Hussain, Chaudhery Mustansar; Mulla, Sikandar, I; Bharagava, Ram Naresh	JOURNAL OF WATER PROCESS ENGINEERING	2021	
Evolutionary Tracking of SARS-CoV-2 Genetic Variants Highlights an Intricate Balance of Stabilizing and Destabilizing Mutations	Jacob, Jobin John; Vasudevan, Karthick; Pragasam, Agila Kumari; Gunasekaran, Karthik; Veeraraghavan, Balaji; Mutreja, Ankur	MBIO	2021	
Experimental and computational studies of sonochemical assisted anchoring of carbon quantum dots on reduced graphene oxide sheets towards the photocatalytic activity	Ashritha, M. G.; Rondiya, Sachin R.; Cross, Russell W.; Dzade, Nelson Y.; Dhole, S. D.; Hareesh, K.; Sunitha, D., V	APPLIED SURFACE SCIENCE	2021	
Box-Behnken Response Surface Methodology for Optimization of Process Parameters for Dairy Washed Milk Scum Biodiesel Production	Srikanth, H., V; Venkatesh, J.; Godiganur, Sharanappa	BIOFUELS-UK	2021	
Atranorin, an antimicrobial metabolite from lichen Parmotrema rampoddense exhibited in vitro anti-breast cancer activity through interaction with Akt activity	Harikrishnan, Adhikesavan; Veena, V.; Lakshmi, B.; Shanmugavalli, R.; Theres, Sonia; Prashantha, C. N.; Shah, Tanya; Oshin, K.; Togam, Ringu; Nandi, Sisir	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2021	
From Infection to Immunity: Understanding the Response to SARS-CoV2 Through In-Silico Modeling	Castiglione, Filippo; Deb, Debashrito; Srivastava, Anurag P.; Lio, Pietro; Liso, Arcangelo	FRONTIERS IN IMMUNOLOGY	2021	
Fecal pollution mediates the dominance of stochastic assembly of antibiotic resistome in an urban lagoon (Yundang lagoon), China	Hou, Liyuan; Wang, Hongjie; Chen, Qingfu; Su, Jian-Qiang; Gad, Mahmoud; Li, Jiangwei; Mulla, Sikandar, I; Yu, Chang-Ping; Hu, Anyi	JOURNAL OF HAZARDOUS MATERIALS	2021	
Design and Analysis of Super Wideband Antenna for Microwave Applications	Balani, Warsha; Sarvagya, Mrinal; Samasgikar, Ajit; Ali, Tanweer; Kumar, Pradeep	SENSORS	2021	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Various strategies applied for the removal of emerging micropollutant sulfamethazine: a systematic review	Mulla, Sikandar I.; Bagewadi, Zabin K.; Faniband, Basheerabegum; Bilal, Muhammad; Chae, Jong-Chan; Bankole, Paul Olusegun; Saratale, Ganesh Dattatraya; Bhargava, Ram Naresh; Gurumurthy, Dummi Mahadevan	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2021	
GB-SVNN: Genetic BAT assisted support vector neural network for arrhythmia classification using ECG signals	Vishwanath, Bhagyalakshmi; Pujeri, Ramchandra Vittal; Devanagavi, Geetha Dundesh	JOURNAL OF KING SAUD UNIVERSITY-COMPUTER AND INFORMATION SCIENCES	2021	
Nanoencapsulation in low-molecular-weight chitosan improves in vivo antioxidant potential of black carrot anthocyanin	Chatterjee, Niladri Sekhar; Dara, Pavan Kumar; Perumcherry Raman, Sreerekha; Vijayan, Divya K.; Sadasivam, Jayashree; Mathew, Suseela; Ravishankar, Chandragiri Nagarajarao; Anandan, Rangasamy	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE	2021	
Molecular screening of antimalarial, antiviral, anti-inflammatory and HIV protease inhibitors against spike glycoprotein of coronavirus	Prashantha, C. N.; Gouthami, K.; Lavanya, L.; Bhavanam, Sivaramireddy; Jakhar, Ajay; Shakthiraju, R. G.; Suraj, V.; Sahana, K. V.; Sujana, H. S.; Guruprasad, N. M.; Ramachandra, R.	JOURNAL OF MOLECULAR GRAPHICS & MODELLING	2021	
In vitro cytotoxicity efficacy of phytosynthesized Ag/ZnO nanocomposites using <i>Murraya koenigii</i> and <i>Zingiber officinale</i> extracts	Selvan, Dominic Savio Arumai; Keerthi, Murugan; Murugesan, Sundararajan; Shobana, Sugumar; Lakshmi, Basavegowda; Veena, Vijaykumar; Rahiman, Aziz Kalilur	MATERIALS CHEMISTRY AND PHYSICS	2021	
Solvothermal decoration of Cu ₃ SnS ₄ on reduced graphene oxide for enhanced electrocatalytic hydrogen evolution reaction	Govindaraju, Varsha Raj; Sreeramareddygari, Muralikirshna; Hanumantharayudu, Nagaraju Doddahalli; Devaramani, Samrat; Thippeswamy, Ramakrishnappa; Surareungchai, Werasak	ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY	2021	
Experimental investigation and optimization of compression moulding parameters for MWCNT/glass/kevlar/epoxy composites on mechanical and tribological properties	Rangaswamy, Hanumantharaya; Harsha, H. M.; Chandrashekarappa, Manjunath Patel Gowdru; Pimenov, Danil Yu; Giasin, Khaled; Wojciechowski, Szymon	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T	2021	
Analytical Modeling and Simulation of Gate-All-Around Junctionless Mosfet for Biosensing Applications	Preethi, S.; Venkatesh, M.; Pandian, M. Karthigai; Priya, G. Lakshmi	SILICON	2021	
Polymer-wrapped reduced graphene oxide/nickel cobalt ferrite nanocomposites as tertiary hybrid supercapacitors: insights from experiment and simulation	Hareesh, K.; Rondiya, Sachin R.; Dzade, Nelson Y.; Dhole, S. D.; Williams, Jim; Sergey, Samarin	JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES	2021	
One-pot hydrothermal synthesis: Enhanced MOR and OER performance using low-cost Mn ₃ O ₄ electrocatalyst	Nagajyothi, P. C.; Ramaraghavulu, R.; Munirathnam, K.; Yoo, K.; Shim, Jaesool	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2021	
Performance evaluation of fuel cell fed electric vehicle system with reconfigured quadratic boost converter	Kumar, K.; Tiwari, Ramji; Varaprasad, P. Venkata; Babu, Challa; Reddy, K. Jyotheeswara	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	2021	
Highly corrosion resistant platinum-rhodium alloy coating and its photocatalytic activity	Devendra, Bharath K.; Praveen, B. M.; Tripathi, V. S.; Nagaraju, G.; Nagaraju, D. H.; Nayana, K. O.	INORGANIC CHEMISTRY COMMUNICATIONS	2021	

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Hydrogen Evolution Reaction by Platinum Coating	Devendra, Bharath K.; Praveen, B. M.; Tripathi, V. S.; Nagaraju, D. H.; Nayana, K. O.	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE	2021	
Low Latency Deep Learning Inference Model for Distributed Intelligent IoT Edge Clusters	Naveen, Soumyalatha; Kounte, Manjunath R.; Ahmed, Mohammed Riyaz	IEEE ACCESS	2021	
Current scenario of COVID-19 vaccinations and immune response along with antibody titer in vaccinated inhabitants of different countries	Hussain, Asim; Rafeeq, Hamza; Asif, Hafiza Memoona; Shabbir, Sumaira; Bilal, Muhammad; Mulla, Sikandar I.; Franco, Marcelo; Iqbal, Hafiz M. N.	INTERNATIONAL IMMUNOPHARMACOLOGY	2021	
Novel Carbene Anchored Molecular Catalysts for Hydrogen Evolution Reactions	Brinda, K. N.; Malecki, Jan Grzegorz; Yhobu, Zhoveta; Nagaraju, D. H.; Budagumpi, Srinivasa; Erakulan, E. S.; Thapa, Ranjit	JOURNAL OF PHYSICAL CHEMISTRY C	2021	
Analysis of microgrid integrated Photovoltaic (PV) Powered Electric Vehicle Charging Stations (EVCS) under different solar irradiation conditions in India: A way towards sustainable development and growth	Himabindu, N.; Hampannavar, Santoshkumar; Deepa, B.; Swapna, M.	ENERGY REPORTS	2021	
Structural, optical and Urbach energy properties of ITO/CdS and ITO/ZnO/CdS bi-layer thin films	Nagaraja, M.; Raghu, P.; Mahesh, H. M.; Pattar, Jayadev	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	
Niger seed oil biodiesel as an emulsifier in diesel-ethanol blends for compression ignition engine	Srikanth, H., V; Sharanappa, G.; Manne, Bhaskar; Kumar, S. Bharath	RENEWABLE ENERGY	2021	
A comprehensive review on the influence of light on signaling cross-talk and molecular communication against phyto-microbiome interactions	Shah, Anshuman; Tyagi, Shaily; Saratale, Ganesh Dattatraya; Guzik, Urszula; Hu, Anyi; Sreevathsa, Rohini; Reddy, Vaddi Damodara; Rai, Vandna; Mulla, Sikandar, I	CRITICAL REVIEWS IN BIOTECHNOLOGY	2021	
Sono-Chemical Synthesis of Silver Quantum Dots Immobilized on Exfoliated Graphitic Carbon Nitride Nanostructures Using Ginseng Extract for Photocatalytic Hydrogen Evolution, Dye Degradation, and Antimicrobial Studies	Mallikarjuna, Koduru; Vattikuti, Surya Veerendra Prabhakar; Manne, Ravi; Manjula, Gangarapu; Munirathnam, Keelapattu; Mallapur, Srinivas; Marraiki, Najat; Mohammed, Arifullah; Reddy, Lebaka Veeranjaneya; Rajesh, Megala; Razab, Mohammad Khairul Azhar Abdul	NANOMATERIALS	2021	
Glucose electrocatalysts derived from mono- or dicarbene coordinated nickel(II) complexes and their mesoporous carbon composites	Yhobu, Zhoveta; Brinda, K. N.; Achar, Gautam; Malecki, Jan Grzegorz; Keri, Rangappa S.; Nagaraju, D. H.; Budagumpi, Srinivasa	APPLIED ORGANOMETALLIC CHEMISTRY	2021	
Performance analysis of MR damper based semi-active suspension system using optimally tuned controllers	Tharehalli Mata, Gurubasavaraju; Mokenapalli, Vijay; Krishna, Hemanth	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING	2021	
Molecular interaction studies of zinc sulphide nanoparticles with DNA and its consequence: a multitechnique approach	Mahanthappa, Mallappa; Savanur, Mohammed Azharuddin; Yellappa, Shivaraj	LUMINESCENCE	2021	
Novel Gaussian flower pollination algorithm with IoT for unit price prediction in peer-to-peer energy trading market	Sahoo, Satyabrata; Swain, Saratchandra; Dash, Ritesh; Sanjeevikumar, P.; Reddy, K. Jyotheeswara; Subburaj, Vivekanandan	ENERGY REPORTS	2021	

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New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases	Qindeel, Maimoona; Sabir, Fakhara; Sargazi, Saman; Mohammadzadeh, Vahideh; Mulla, Sikandar I.	JOURNAL OF NANOPARTICLE RESEARCH	2021	
Deciphering the genetic architecture and ethnographic distribution of IRD in three ethnic populations by whole genome sequence analysis	Biswas, Pooja; Villanueva, Adda L.; Soto-Hermida, Angel; Duncan, Jacque L.; Matsui, Hiroko; Borooh, Shyamanga; Kumarov, Berzhan; Richard, Gabriele; Khan, Shahid Yar; Branham, Kari; Huang, Bonnie; Suk, John; Bakall, Benjamin; Goldberg, Jeffrey L.; Gabriel, Luis; Khan, Naheed W.; Raghavendra, Pongali B.; Zhao, Jason; Devalaraja, Sindhu; Huynh, Andrew; Alapati, Akhila; Zawaydeh, Qais; Weleber, Richard G.; Heckenlively, John R.; Hejtmancik, J. Fielding; Riazuddin, Sheikh; Sieving, Paul A.; Riazuddin, S. Amer; Frazer, Kelly A.; Ayyagari, Radha	PLOS GENETICS	2021	
Trusted node selection in clusters for underwater wireless acoustic sensor networks using fuzzy logic	Krishnaswamy, Vani; Manvi, Sunilkumar S.	PHYSICAL COMMUNICATION	2021	
Tamarindusindica Mediated Combustion Synthesis of BiOCl: Photocatalytic Degradation of Dyes and Synthesis of beta-Enaminones	Shashikanth, J.; Shashank, M.; Sumedha, H. N.; Alharthi, Fahad A.; Nizam, Aatika; Reddy, Madhusudhana; Nagaraju, G.	JOURNAL OF ELECTRONIC MATERIALS	2021	
Superior photocatalytic activity of Mn-doped CoFe ₂ O ₄ under visible light irradiation: Exploration of hopping and polaron formation in the spinel structure	Srinivas, M.	MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS	2021	
Cloud-based intrusion detection using kernel fuzzy clustering and optimal type-2 fuzzy neural network	Srilatha, Doddi; Shyam, Gopal K.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2021	
Spectral Efficient Beamforming for mmWave MISO Systems using Deep Learning Techniques	Nalband, Abdul Haq; Sarvagya, Mrinal; Ahmed, Mohammed Riyaz	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	2021	
Analysis of the Effect of Friction Stir Welding Parameters on Characteristics of AA6061 Composites using Response Surface Methodology	Sachinkumar; Chakradhar, D.; Narendranath, S.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2021	
Role of sweep direction and substrate work function on resistive switching of titanium-di-oxide [TiO ₂] nanoparticles	Kumari, R. Anju; Ponnampal, Anjaneyulu	CURRENT APPLIED PHYSICS	2021	
Design, synthesis, molecular docking, anti-proliferative and anti-TB studies of 2H-chromen-8-azaspiro[4.5]decane-7,9-dione conjugates	Mane, Smita G.; Reddy, Dinesh S.; Katagi, Kariyappa S.; Kumar, Amit; Munnolli, Ravindra S.; Kadam, Nikhil S.; Akki, Mahesh C.; Nagarajiah, H.; Joshi, Shrinivas D.	JOURNAL OF MOLECULAR STRUCTURE	2021	
The prospects and challenges of solar electrochemical capacitors	Manopriya, Samtham; Hareesh, K.	JOURNAL OF ENERGY STORAGE	2021	

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Design of SWB Antenna with Triple Band Notch Characteristics for Multipurpose Wireless Applications	Balani, Warsha; Sarvagya, Mrinal; Ali, Tanweer; Samasgikar, Ajit; Das, Saumya; Kumar, Pradeep; Anguera, Jaume	APPLIED SCIENCES-BASEL	2021	
Comparative adsorptive and kinetic study on the removal of Malachite Green in aqueous solution using titanium coated graphite and titanium coated graphite with CNT-ABS nanocomposite	Jinendra, Usha; Nagabhushana, B. M.; Bilehal, Dinesh	DESALINATION AND WATER TREATMENT	2021	
Analysis of various surface energy balance models for evapotranspiration estimation using satellite data	Aryalekshmi, B. N.; Biradar, Rajashekhar C.; Chandrasekar, K.; Ahamed, J. Mohammed	EGYPTIAN JOURNAL OF REMOTE SENSING AND SPACE SCIENCES	2021	
Effects of Rhenium(I)-diselenoether and of its Diselenide Ligand on the Production of Cathepsins B and S by MDA-MB231 Breast Malignant Cells	Collery, Philippe; Veena, Vijaykumar; Desmaele, Didier; Harikrishnan, Adhikesavan; Lakshmi, Basavegowda	ANTICANCER RESEARCH	2021	
An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery	Saratale, Rijuta Ganesh; Cho, Si-Kyung; Saratale, Ganesh Dattatraya; Kumar, Manu; Bharagava, Ram Naresh; Varjani, Sunita; Kadam, Avinash A.; Ghodake, Gajanan S.; Palem, Ramasubba Reddy; Mulla, Sikandar I.; Kim, Dong-Su; Shin, Han-Seung	POLYMERS	2021	
Investigation of ON Current and Subthreshold Swing of an InSb/Si Heterojunction Stacked Oxide Double-Gate TFET with Graphene Nanoribbon	Samuel, T. S. Arun; Venkatesh, M.; Pandian, M. Karthigai; Vimala, P.	JOURNAL OF ELECTRONIC MATERIALS	2021	
Evaluation of cell wall-associated direct extracellular electron transfer in thermophilic Geobacillus sp.	Gurumurthy, Dummi Mahadevan; Bilal, Muhammad; Nadda, Ashok Kumar; Reddy, Vaddi Damodara; Saratale, Ganesh Dattatraya; Guzik, Urszula; Ferreira, Luiz Fernando Romanholo; Gupta, Sanjay Kumar; Savanur, Mohammed Azharuddin; Mulla, Sikandar I.	3 BIOTECH	2021	
Design of New Improved Curcumin Derivatives to Multi-targets of Cancer and Inflammation	Harikrishnan, A.; Khanna, Sunali; Veena, V.	CURRENT DRUG TARGETS	2021	
Studying the Performance of Cutting Carbon Fibre-Reinforced Plastic Using an Abrasive Water Jet Technique	Hussien, Ahmed A.; Qasem, Isam; Kataraki, Pramodkumar S.; Al-Kouz, Wael; Janvekar, Ayub Ahmed	STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING	2021	
Effect of Mn codopant on thermoluminescence properties of gamma-rays irradiated Na ₃ Y(PO ₄) ₂ :Dy phosphors for dosimetry applications	Munirathnam, K.; Nagajyothi, P. C.; Hareesh, K.; Kumar, M. Madesh; Dhole, S. D.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2021	
An effective digit recognition model using enhanced convolutional neural network based chaotic grey wolf optimization	Preethi, P.; Asokan, R.; Thillaiarasu, N.; Saravanan, T.	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	2021	

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Fabrication and in vitro Evaluation of 4-HIA Encapsulated PLGA Nanoparticles on PC12 Cells	Ravikiran, Tekupalli; Anand, Santosh; Ansari, Mohammad Azam; Alomary, Mohammad N.; AlYahya, Sami; Ramachandregowda, Sowbhagya; Alghamdi, Saad; Kariyappa, Anupama Sindhghatta; Dundaiah, Bhagyalakshmi; Gopinath, Mamatha Madhugiri; Sultana, Sumreen; Punekar, Shital Manohar; Lakshmeesha, Thimappa Ramachandrappa	INTERNATIONAL JOURNAL OF NANOMEDICINE	2021	
Neural Network Based Mental Depression Identification and Sentiments Classification Technique From Speech Signals: A COVID-19 Focused Pandemic Study	Ahmed, Syed Thouheed; Singh, Dollar Konjengbam; Basha, Syed Muzamil; Abouel Nasr, Emad; Kamrani, Ali K.; Aboudaif, Mohamed K.	FRONTIERS IN PUBLIC HEALTH	2021	
A 20-44 GHz Wideband LNA Design Using the SiGe Technology for 5G Millimeter-Wave Applications	Balani, Warsha; Sarvagya, Mrinal; Ali, Tanweer; Samasgikar, Ajit; Kumar, Pradeep; Pathan, Sameena; Pai MM, Manohara	MICROMACHINES	2021	
In-silico genome wide analysis of Mitogen activated protein kinase kinase gene family in <i>C. sinensis</i>	Paul, Abhirup; Srivastava, Anurag P.; Subrahmanya, Shreya; Shen, Guoxin; Mishra, Neelam	PLOS ONE	2021	
Synthesis of high surface area and plate-like Magnesium Oxide nanoparticles by pH-controlled precipitation method	Sreekanth, R.; Pattar, Jayadev; Anupama, A., V; Mallikarjunaswamy, A. M. M.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2021	
A Detailed Evolutionary Scrutiny of PEIS with GPS Fleet Tracker and AOMDV-SAPTV Based on Throughput, Delay, Accuracy, Error Rate, and Success Rate (Sep, 2021, 10.1007/s11277-021-08840-2)	Pandian, M. Thurai; Prasad, Sarappadi Narasimha; Sharma, Manish	WIRELESS PERSONAL COMMUNICATIONS	2021	
Microbiome Analysis of the Rhizosphere from Wilt Infected Pomegranate Reveals Complex Adaptations in Fusarium-A Preliminary Study	Das, Anupam J.; Ravinath, Renuka; Usha, Talambedu; Rohith, Biligi Sampgod; Ekambaram, Hemavathy; Prasannakumar, Mothukapalli Krishnareddy; Ramesh, Nijalingappa; Middha, Sushil Kumar	AGRICULTURE-BASEL	2021	
Effective compressed sensing MRI reconstruction via hybrid GSGWO algorithm	Guruprasad, Shrividya; Bharathi, S. H.; Delvi, D. Anto Ramesh	JOURNAL OF VISUAL COMMUNICATION AND IMAGE REPRESENTATION	2021	
Metal-Metal Interactions in Bi-, Tri- and Multinuclear Fe, Ru and Os N-Heterocyclic Carbene Complexes and their Catalytic Applications	Narayana, Brinda Kadur; Keri, Rangappa S.; Hanumantharayudu, Nagaraju Doddahalli; Budagumpi, Srinivasa	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	2021	
A Detailed Evolutionary Scrutiny of PEIS with GPS Fleet Tracker and AOMDV-SAPTV Based on Throughput, Delay, Accuracy, Error Rate, and Success Rate	Pandian, M. Thurai; Prasad, Sarappadi Narasimha; Sharma, Manish	WIRELESS PERSONAL COMMUNICATIONS	2021	
Investigation of luminescence spectroscopic characteristics in Eu ³⁺ -doped Zn ₂ SiO ₄ by Judd-Ofelt parameters	Prathibha, K. N.; Krishna, R. Hari; Nagesh, B., V; Prakashbabu, D.; Panigrahi, B. S.; Ananthanarayanan, R.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Synthesis, electrical, and dielectric properties of novel polyaniline/strontium di-nitrate composites	Ashwini, Indavara S.; Pattar, Jayadev; Sreekanth, Rajagopalachar; Nagaraja, Madihally; Manohara, Shambonahalli Rajanna; Anjaneyulu, Ponnamp	POLYMER COMPOSITES	2021	
Dielectric properties of A-site Mn-doped bismuth sodium titanate perovskite: (Bi _{0.5} Na _{0.5})(_{0.9})Mn _{0.1} TiO ₃	Madolappa, Shivanand; Choudhary, Harish K.; Punia, Nancy; Anupama, A., V; Sahoo, Balaram	MATERIALS CHEMISTRY AND PHYSICS	2021	
Modeling and analysis of priority and range-based-deterministic and synchronous multichannel extension-guaranteed time slot allocation in IEEE 802.15.4e medium access control protocol	Asuti, Manjunath G.; Basarkod, Prabhugoud I.	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2021	
Effect of microwave annealing on the performance of dye sensitized solar cell with Beta vulgaris as natural dye	Bharathi Devi, S.; Prakash Babu, D.; Naresh Kumar, S.	SPECTROSCOPY LETTERS	2021	
Grading of Knee Osteoarthritis Using Convolutional Neural Networks	Sarvamangala, D. R.; Kulkarni, Raghavendra V.	NEURAL PROCESSING LETTERS	2021	
Microstructural and Mechanical Characterization of Spark Plasma-Sintered Compact of Al-4.5 wt.% Cu Alloy Powder	Chandra Mohan, H. K.; Devaraj, S.; Narayana Swamy, K. S.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2021	
High capacitive h-MoO ₃ hexagonal rods and its applications towards lithium ion battery, humidity and nitrite sensing	Udayabhanu; Pavitra, Veerabhadrachar; Shivanna, Marappa; Alharthi, Fahad A.; Praveen, Beekanahalli Mokshanatha; Ravikiran, Yaled Thippeswamy; Byrappa, Kullaiiah; Nagaraju, Ganganagappa	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	2021	
Photovoltaic studies on cadmium metal ions doped coordination polymer/TiO ₂ hybrid solar cell	Deepak, K.; Ponnamp, Anjaneyulu; Kandaiah, Sakthivel; Prakashbabu, D.; Pinjare, S. L.	POLYMER-PLASTICS TECHNOLOGY AND MATERIALS	2021	
Nonlinear Thermal Buoyancy on Ferromagnetic Liquid Stream Over a Radiated Elastic Surface with Non Fourier Heat Flux	Sreelakshmi, T. K.; Annamma, Abraham; Chethan, A. S.; Murthy, M. Krishna; Raju, C. S. K.	CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES	2021	
Detection and validation of novel mutations in MERTK in a simplex case of retinal degeneration using WGS and hiPSC-RPEs model	Biswas, Pooja; Boroah, Shyamanga; Matsui, Hiroko; Voronchikhina, Marina; Zhou, Jason; Zawaydeh, Qais; Raghavendra, Pongali B.; Ferreyra, Henry; Riazuddin, S. Amer; Wahlin, Karl; Frazer, Kelly A.; Ayyagari, Radha	HUMAN MUTATION	2021	
An optimal clear channel assessment in IEEE 802.15.4 medium access control protocol for recurrent data transmission and long acknowledgement wait period	Asuti, Manjunath G.; Basarkod, Prabhugoud I.	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2021	
Framework for classification of cancer gene expression data using Bayesian hyper-parameter optimization	Koul, Nimrita; Manvi, Sunilkumar S.	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING	2021	

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Phylogenetic and antimicrobial drug resistance analysis of <i>Vibrio cholerae</i> O1 isolates from Ghana	Opintan, Japheth A.; Will, Robert C.; Kuma, George K.; Osei, Mary; Akumwena, Amos; Boateng, Gifty; Owusu-Okyere, Godfred; Antwi, Lorreta; Opare, David; Pragasam, Agila Kumari; Vasudevan, Karthick; Srivastava, Sunil Kumar; Balaji, Veeraraghavan; Newman, Mercy J.; Dougan, Gordon; Mutreja, Ankur	MICROBIAL GENOMICS	2021	
Polarization-Sensitive High-Q Four-Arm Structured Toroidal Terahertz Metamaterial	Mishra, Prateek; Srivastava, Vibhu; Kumar, Mirgender; Sunny	JOURNAL OF ELECTRONIC MATERIALS	2021	
Electrochemical studies of heat-treated NiCrMoFeCoAl and NiCrMoFeCoAl-30%Cr3C2 HVOF coatings on T22 boiler steel	Patil, Viresh G.; Kandaiah, Sakthivel; Somasundaram, Balaraman	INTERNATIONAL JOURNAL OF APPLIED CERAMIC TECHNOLOGY	2021	
Ruthenium (III) catalysed and uncatalysed oxidation of torsemide by hexacyanoferrate (III) in aqueous alkaline medium: A kinetic comparative approach	Ravindra, K. S.; Shastry, Vidyavati A.; Kumar, Mohan; Nagarajaiah, H.; Ramyashree, H.	JOURNAL OF THE INDIAN CHEMICAL SOCIETY	2021	
Orange photoluminescence emission of samarium ion doped in calcium zirconium orthophosphate	Mohan Prakash, Y. H.; Prakash Babu, D.; Madesh Kumar, M.; Ponkumar, S.; Mani Rahulan, K.	SPECTROSCOPY LETTERS	2021	
Stochastic-Reinforcement Learning Assisted Dynamic Power Management Model for Zone-Routing Protocol in Mobile Ad Hoc Networks	Prashanth, Suhaas Krishna; Senthil, S.	WIRELESS PERSONAL COMMUNICATIONS	2021	
AC conductivity and dielectric properties of nanostructured amorphous manganese dioxide and polypyrrole/manganese dioxide composite	Kulakarni, Yankappa A.; Jagadeesh, M. R.; Jambaladinni, Sahebagouda; Suresh Kumar, H. M.; Vasanthkumar, M. S.; Shivakumara, S.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2021	
Microbiomics and cloud-based analytics advance sustainable soil management	Das, Anupam J.; Ravinath, Renuka; Shilpa, Budiyaal Ramesh; Rohith, Bilgi Sampgod; Goyal, Arvind Kumar; Ramesh, Nijalingappa; Prasannakumar, Mothukapalli Krishnareddy; Prasannakumar, Hemavathy Ekambaram; Usha, Talambedu; Middha, Sushil Kumar	FRONTIERS IN BIOSCIENCE-LANDMARK	2021	
Security Aware Routing: Rule Based Attack Detection on Optimal Shortest Route Selection	Kalyani, G.; Chaudhari, Shilpa	AD HOC & SENSOR WIRELESS NETWORKS	2021	
Atom search-Jaya-based deep recurrent neural network for liver cancer detection	Navaneethkrishnan, Mariappan; Vairamuthu, Subbiah; Parthasarathy, Govindaswamy; Cristin, Rajan	IET IMAGE PROCESSING	2021	
Influence of Propyl gallate antioxidant on performance and emissions of a compression ignition engine fueled with Madhuca Indica B20 ester blends	Balaji, S.; Saravanan, R.; Kapilan, Natesan	ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS	2021	
Dynamic Analysis of Base Isolated Connected Buildings Subjected to Seismic and Blast Induced Vibrations	Kangda, M. Z.; Bakre, S.	SOIL MECHANICS AND FOUNDATION ENGINEERING	2021	
Combined secure approach based on whale optimization to improve the data classification for data analytics	Sarada, B.; Murthy, M. Vinayaka; Rani, V. Udaya	PATTERN RECOGNITION LETTERS	2021	

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Structural, Electrical and Dielectric Studies on Novel Chitosan/Polyaniline/Molybdenum-Trioxide Hybrid Nanocomposites	Prashanth, Sushma; Nagaraja, M.; Praveen, B. M.; Pattar, Jayadev; Manohara, S. R.; Sunil, K.	POLYMER SCIENCE SERIES B	2021	
Low Energy X-ray Photons Induced Changes in Lexan Films	Raveesha, P. M.; Hareesh, K.; Dhamgaye, V. P.; Dhole, S. D.; Sanjeev, Ganesh	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	2021	
A computational overview on phylogenetic characterization, pathogenic mutations, and drug targets for Ebola virus disease	Vasudevan, Karthick; Kumar, Thirumal D.; Kumar, Udhaya S.; Saleem, Aisha; Nagasundaram, N.; Siva, R.; Tayubi, Iftikhar Aslam; Doss, C. George Priya; Zayed, Hatem	CURRENT OPINION IN PHARMACOLOGY	2021	
Temperature-Dependent Studies on Electrical Properties of ZnCl ₂ Doped Polyaniline	Nagaraja, M.; Geetha, T.; Pattar, Jayadev; Mahesh, H. M.; Prashanth, Sushma	POLYMER SCIENCE SERIES B	2021	
Influence of tab corner geometry on supersonic jets	Quadros, Jaimon Dennis; Khan, S. A.; Hanumantharaya, R.	AIRCRAFT ENGINEERING AND AEROSPACE TECHNOLOGY	2021	
Mechanical and Moisture Absorption Behaviour of Alkali Treated Sida Acuta Composite	Chandra Mohan, H. K.; Devaraj, S.; Ranganatha, R.; Narayana Swamy, K. S.	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2021	
Continuous wave laser probed thermal nonlinearity in TiO ₂ and TiO ₂ -dye nano colloidal	Pramodini, S.; Aravinda, L. S.; Nagaraja, K. K.; Poornesh, P.	OPTICS AND LASER TECHNOLOGY	2021	
Flow and heat transfer in eccentric annulus	Puranik, Sushma M.; Indira, R.; Sreegowrav, K. R.	JOURNAL OF ENGINEERING MATHEMATICS	2021	
DPEBic: detecting essential proteins in gene expressions using encoding and biclustering algorithm	Ali, Anooja; Hulipalled, Vishwanath R.; Patil, S. S.; Abdulkader, Raees	JOURNAL OF AMBIENT INTELLIGENCE AND HUMANIZED COMPUTING	2021	
Free-vibration and moisture absorption behaviour of Sida acuta fibre polymer composites	Mohan, H. K. Chandra; Devaraj, S.	EMERGING MATERIALS RESEARCH	2021	
Novel strontium zirconium di-orthophosphate phosphor for super capacitor and dosimetry application	Mohan Prakash, Y. H.; Prakash Babu, D.; M., Madesh Kumar; Ponkumar, S.; K., Mani Rahulan	SPECTROSCOPY LETTERS	2021	
Microwave radiation induced performance modifications of dye-sensitized solar cells	Devi, S. Bharathi; Babu, D. Prakash; Kumar, S. Naresh; Ponkumar, S.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2021	
A review on electrical and gas-sensing properties of reduced graphene oxide-metal oxide nanocomposites	Kiranakumar, H., V; Thejas, R.; Naveen, C. S.; Khan, M. Ijaz; Prasanna, G. D.; Reddy, Sathish; Oreijah, Mowffaq; Guedri, Kamel; Bafakeeh, Omar T.; Jameel, Mohammed	BIOMASS CONVERSION AND BIOREFINERY	2022	
Therapeutic Implications of Caffeic Acid in Cancer and Neurological Diseases	Alam, Manzar; Ahmed, Sarfraz; Elsbali, Abdelbaset Mohamed; Adnan, Mohd; Alam, Shoaib; Hassan, Imtaiyaz; Pasupuleti, Visweswara Rao	FRONTIERS IN ONCOLOGY	2022	
Integration of IoT based routing process for food supply chain management in sustainable smart cities	Nagarajan, Senthil Murugan; Deverajan, Ganesh Gopal; Chatterjee, Puspita; Alnumay, Waleed; Muthukumaran, V.	SUSTAINABLE CITIES AND SOCIETY	2022	
COVID-19: comprehensive review on mutations and current vaccines	Hebbani, Ananda Vardhan; Pulakuntla, Swetha; Pannuru, Padmavathi; Aramgam, Sreelatha; Badri, Kameswara Rao; Reddy, Vaddi Damodara	ARCHIVES OF MICROBIOLOGY	2022	

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Autophagy and EMT in cancer and metastasis: Who controls whom?	Gundamaraju, Rohit; Lu, Wenying; Paul, Manash K.; Jha, Niraj Kumar; Gupta, Piyush Kumar; Ojha, Shreesh; Chattopadhyay, Indranil; Rao, Pasupuleti Visweswara; Ghavami, Saeid	BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE	2022	
Public key encryption with equality test for Industrial Internet of Things system in cloud computing	Deverajan, Ganesh Gopal; Muthukumaran, V.; Hsu, Ching-Hsien; Karuppiyah, Marimuthu; Chung, Yeh-Ching; Chen, Ying-Huei	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2022	
Therapeutic Outcomes of Isatin and Its Derivatives against Multiple Diseases: Recent Developments in Drug Discovery	Cheke, Rameshwar S.; Patil, Vaishali M.; Firke, Sandip D.; Ambhore, Jaya P.; Ansari, Iqrar A.; Patel, Harun M.; Shinde, Sachin D.; Pasupuleti, Visweswara Rao; Hassan, Md Imtaiyaz; Adnan, Mohd; Kadri, Adel; Snoussi, Mejd	PHARMACEUTICALS	2022	
Bioelectrochemical technologies for removal of xenobiotics from wastewater	Gupta, Sanjay Kumar; Rachna; Singh, Bhaskar; Mungray, Arvind Kumar; Bharti, Rupam; Nema, Arvind Kumar; Pant, K. K.; Mulla, Sikandar, I	SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS	2022	
Biomarkers of Oxidative Stress Tethered to Cardiovascular Diseases	Panda, Poojarani; Verma, Henu Kumar; Lakkakula, Saikrishna; Merchant, Neha; Kadir, Fairrul; Rahman, Shamsur; Jeffree, Mohammad Saffree; Lakkakula, Bhaskar V. K. S.; Rao, Pasupuleti Visweswara	OXIDATIVE MEDICINE AND CELLULAR LONGEVITY	2022	
Improved photocatalytic activity of TiO ₂ nanoparticles through nitrogen and phosphorus co-doped carbon quantum dots: an experimental and theoretical study	Yashwanth, H. J.; Rondiya, Sachin R.; Dzade, Nelson Y.; Hoye, Robert L. Z.; Choudhary, Ram J.; Phase, Deodatta M.; Dhole, Sanjay D.; Hareesh, K.	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	2022	
Bax/Bcl-2 Cascade Is Regulated by the EGFR Pathway: Therapeutic Targeting of Non-Small Cell Lung Cancer	Alam, Manzar; Alam, Shoaib; Shamsi, Anas; Adnan, Mohd; Elsbali, Abdelbaset Mohamed; Abu Al-Soud, Waleed; Alreshidi, Mousa; Hawsawi, Yousef MohammedRabaa; Tippiana, Anitha; Pasupuleti, Visweswara Rao; Hassan, Md Imtaiyaz	FRONTIERS IN ONCOLOGY	2022	
A machine learning based attack detection and mitigation using a secure SaaS framework	SaiSindhuTheja, Reddy; Shyam, Gopal K.	JOURNAL OF KING SAUD UNIVERSITY-COMPUTER AND INFORMATION SCIENCES	2022	
Potential Therapeutic Implications of Caffeic Acid in Cancer Signaling: Past, Present, and Future	Alam, Manzar; Ashraf, Ghulam Md; Sheikh, Kayenat; Khan, Anish; Ali, Sabeeha; Ansari, Md. Meraj; Adnan, Mohd; Pasupuleti, Visweswara Rao; Hassan, Md. Imtaiyaz	FRONTIERS IN PHARMACOLOGY	2022	
A systematic review on potential microbial carbohydrases: current and future perspectives	Golgeri, Dilshad Begum M.; Mulla, Sikandar, I; Bagewadi, Zabin K.; Tyagi, Swati; Hu, Anyi; Sharma, Swati; Bilal, Muhammad; Bharagava, Ram Naresh; Ferreira, Luiz Fernando R.; Gurumurthy, Dummi Mahadevan; Nadda, Ashok Kumar	CRITICAL REVIEWS IN FOOD SCIENCE AND NUTRITION	2022	

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Decolorization of various dyes by microorganisms and green-synthesized nanoparticles: current and future perspective	Daphedar, Azharuddin B.; Kakkalameeli, Siddappa; Faniband, Basheerabegum; Bilal, Muhammad; Bhargava, Ram Naresh; Romanholo Ferreira, Luiz Fernando; Rahdar, Abbas; Gurumurthy, Dummi Mahadevan; Mulla, Sikandar, I	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2022	
Molecular Insights into Coumarin Analogues as Antimicrobial Agents: Recent Developments in Drug Discovery	Cheke, Rameshwar S.; Patel, Harun M.; Patil, Vaishali M.; Ansari, Iqrar Ahmad; Ambhore, Jaya P.; Shinde, Sachin D.; Kadri, Adel; Snoussi, Mejdj; Adnan, Mohd; Kharkar, Prashant S.; Pasupuleti, Visweswara Rao; Deshmukh, Prashant K.	ANTIBIOTICS-BASEL	2022	
Hepatoprotective Potential of Malaysian Medicinal Plants: A Review on Phytochemicals, Oxidative Stress, and Antioxidant Mechanisms	Venmathi Maran, Balu Alagar; Iqbal, Mohammad; Gangadaran, Prakash; Ahn, Byeong-Cheol; Rao, Pasupuleti Visweswara; Shah, Muhammad Dawood	MOLECULES	2022	
Decolorization of amaranth RI and fast red E azo dyes by thermophilic Geobacillus thermoleovorans KNG 112	Rajashekarappa, Kotresh Kyathanahally; Mahadevan, Gurumurthy Dummi; Neelagund, Shivayogeeswar Eshwarappa; Sathynarayana, Madhuri; Vijaya, Divya; Mulla, Sikandar, I	JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	2022	
Structural, electrical, and magnetic properties of nano Sr1-XLaXFe12O19 (X=0.2-0.8)	Basha, D. Baba; Kumar, N. Suresh; Naidu, K. Chandra Babu; Kumar, G. Ranjith	SCIENTIFIC REPORTS	2022	
A spongy Rhizophora mucronata derived ultra-high surface area activated carbon for high charge density supercapacitor device	Siddiqi, Aisha; Sherugar, Prajwal; Nagaraju, D. H.; Padaki, Mahesh	JOURNAL OF ENERGY STORAGE	2022	
Spectral change and far-red emission of Mn ²⁺ ions co-doped NaSrB ₅ O ₉ :Dy ³⁺ +luminescence material for plant growth LEDs*	Munirathnam, K.; Mallikarjuna, Koduru; Vijaya, R.; Nagajyothi, P. C.; Reddy, K. Ramakrishna; Srinivas, M.	JOURNAL OF RARE EARTHS	2022	
Color tunable SrZrO ₃ :Sm ³⁺ nanopowders with satisfactory photoluminescent, band engineering properties for warm white LEDs and advanced forensic applications	Sushma, K. C.; Kumar, Santosh; Nagaraju, G.; Aarti, D. P.; Reddy, M. B. Madhusudana; Rudresha, M. S.; Basavaraj, R. B.	JOURNAL OF MOLECULAR STRUCTURE	2022	
Electron Acoustic Peregrine Breathers in a Quantum Plasma With 1-D Temperature Anisotropy	Das, Arnab; Ghosh, Payel; Chandra, Swarniv; Raj, Vishal	IEEE TRANSACTIONS ON PLASMA SCIENCE	2022	
6G enabled federated learning for secure IoMT resource recommendation and propagation analysis	Ahmed, Syed Thouheed; Kumar, V. Vinoth; Singh, Krishna Kant; Singh, Akansha; Muthukumaran, V; Gupta, Deepa	COMPUTERS & ELECTRICAL ENGINEERING	2022	

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Recent Progress in Development of Dressings Used for Diabetic Wounds with Special Emphasis on Scaffolds	Awasthi, Ankit; Gulati, Monica; Kumar, Bimlesh; Kaur, Jaskiran; Vishwas, Sukriti; Khursheed, Rubiya; Porwal, Omji; Alam, Aftab; Arya, K. R.; Corrie, Leander; Kumar, Rajan; Kumar, Ankit; Kaushik, Monika; Jha, Niraj Kumar; Gupta, Piyush Kumar; Chellappan, Dinesh Kumar; Gupta, Gaurav; Dua, Kamal; Gupta, Saurabh; Gundamaraju, Rohit; Rao, Pasupuleti Visweswara; Singh, Sachin Kumar	BIOMED RESEARCH INTERNATIONAL	2022	
Perspectives of conducting polymer nanostructures for high-performance electrochemical capacitors	Samtham, Manopriya; Singh, Diwakar; Hareesh, K.; Devan, Rupesh S.	JOURNAL OF ENERGY STORAGE	2022	
Sonication-supported synthesis of cobalt oxide assembled on an N-MWCNT composite for electrochemical supercapacitors via three-electrode configuration	Nare, Rajendra Kumar; Ramesh, Sivalingam; Basavi, Praveen Kumar; Kakani, Vijay; Bathula, Chinna; Yadav, Hemraj M.; Dhanapal, Prakash Babu; Kotanka, Rama Krishna Reddy; Pasupuleti, Visweswara Rao	SCIENTIFIC REPORTS	2022	
Lignin-Mediated Silver Nanoparticle Synthesis for Photocatalytic Degradation of Reactive Yellow 4G and In Vitro Assessment of Antioxidant, Antidiabetic, and Antibacterial Activities	Saratale, Rijuta Ganesh; Cho, Si-Kyung; Saratale, Ganesh Dattatraya; Kadam, Avinash Ashok; Ghodake, Gajanan Sampatrao; Magotra, Verjesh Kumar; Kumar, Manu; Bharagava, Ram Naresh; Varjani, Sunita; Palem, Ramasubba Reddy; Mulla, Sikandar I.; Kim, Dong-Su; Shin, Han-Seung	POLYMERS	2022	
Force-Deformation Study on Glass Fiber Reinforced Concrete Slab Incorporating Waste Paper	Praburanganathan, S.; Sudharsan, N.; Reddy, Yeddula Bharath Simha; Reddy, Chukka Naga Dheeraj Kumar; Natrayan, L.; Paramasivam, Prabhu	ADVANCES IN CIVIL ENGINEERING	2022	
Regeneration and reusability of non-conventional low-cost adsorbents to remove dyes from wastewaters in multiple consecutive adsorption-desorption cycles: a review	El Messaoudi, Noureddine; El Khomri, Mohammed; El Mouden, Abdelaziz; Bouich, Amal; Jada, Amane; Lacherai, Abdellah; Iqbal, Hafiz M. N.; Mulla, Sikandar I.; Kumar, Vineet; Americo-Pinheiro, Juliana Heloisa Pine	BIOMASS CONVERSION AND BIOREFINERY	2022	
Bromo-protopine, a novel protopine derivative, alleviates tau pathology by activating chaperone-mediated autophagy for Alzheimer's disease therapy	Sreenivasmurthy, Sravan Gopalkrishnashetty; Iyaswamy, Ashok; Krishnamoorthi, Senthilkumar; Reddi, Rambabu N.; Kammala, Ananth Kumar; Vasudevan, Karthick; Senapati, Sanjib; Zhu, Zhou; Su, Cheng-Fu; Liu, Jia; Guan, Xin-Jie; Chua, Ka-Kit; Cheung, King-Ho; Chen, Hubiao; Zhang, Hong-Jie; Zhang, Yuan; Song, Ju-Xian; Kumar Durairajan, Siva Sundara; Li, Min	FRONTIERS IN MOLECULAR BIOSCIENCES	2022	

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Chemical Composition and the Anticancer, Antimicrobial, and Antioxidant Properties of Acacia Honey from the Hail Region: The in vitro and in silico Investigation	Hamadou, Walid Sabri; Bouali, Nouha; Badraoui, Riadh; Lajimi, Ramzi Hadj; Hamdi, Assia; Alreshidi, Mousa; Patel, Mitesh; Adnan, Mohd; Siddiqui, Arif Jamal; Noumi, Emira; Rao Pasupuleti, Visweswara; Snoussi, Mejdi	EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE	2022	
Performance Evaluation of Solar-PV-Based Non-Isolated Switched-Inductor and Switched-Capacitor High-Step-Up Cuk Converter	Priyadarshi, Neeraj; Bhaskar, Mahajan Sagar; Azam, Farooque; Singh, Mayank; Dhaked, Dheeraj Kumar; Taha, Ibrahim B. M.; Hussien, Mohamed G.	ELECTRONICS	2022	
Data privacy preservation in MAC aware Internet of things with optimized key generation	Kalyani, G.; Chaudhari, Shilpa	JOURNAL OF KING SAUD UNIVERSITY-COMPUTER AND INFORMATION SCIENCES	2022	
UV-light-enhanced room temperature NO ₂ gas-sensing performances based on sulfur-doped graphitic carbon nitride nanoflakes	Basivi, Praveen Kumar; Pasupuleti, Kedhareswara Sairam; Gelija, Devarajulu; Kim, Moon-Deock; Pasupuleti, Visweswara Rao; Kim, Chang Woo	NEW JOURNAL OF CHEMISTRY	2022	
An Empirical Analysis of an Optimized Pretrained Deep Learning Model for COVID-19 Diagnosis	Sangeetha, S. K. B.; Kumar, M. Sandeep; Deeba, K.; Rajadurai, Hariharan; Maheshwari, V; Dalu, Gemmachis Teshite	COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE	2022	
Response Surface Methodology Based Optimization, Partial Purification and Characterization of Alkaline Phosphatase Isolated from Pseudomonas asiatica Strain ZKB1 and its Application in Plant Growth Promotion	Bagewadi, Zabin K.; Yaraguppi, Deepak A.; Mulla, Sikandar I.; Deshpande, Sanjay H.	MOLECULAR BIOTECHNOLOGY	2022	
Eco-friendly magnetic Solid-Phase extraction and deep eutectic solvent for the separation and detection of parabens from the environmental water and urine samples	Pasupuleti, Raghavendra Rao; Hsieh, Jing-Ru; Pasupuleti, Visweswara Rao; Huang, Yeou-Lih	MICROCHEMICAL JOURNAL	2022	
Tetragonal structure and dielectric behaviour of rare-earth substituted La _{0.8} Co _(0.16-x) Eu _(0.04) Gd _x TiO ₃ (x=0.04-0.16) nanorods	Kumar, N. Suresh; Suvarna, R. Padma; Reddy, K. Rama Krishna; Babu, T. Anil; Ramesh, S.; Reddy, B. Venkata Shiva; Manjunatha, H.; Naidu, K. Chandra Babu	MATERIALS CHEMISTRY AND PHYSICS	2022	
Algae bioprocess to deal with cosmetic chemical pollutants in natural ecosystems: A comprehensive review	Mishra, Prabhakar; Kiran, N. S.; Romanholo Ferreira, Luiz Fernando; Mulla, Sikandar I.	JOURNAL OF BASIC MICROBIOLOGY	2022	
Effect of carbon nanotubes on microhardness and adhesion strength of high-velocity oxy-fuel sprayed NiCr-Cr ₃ C ₂ coatings	Kuruba, Manjunatha; Gaikwad, Giridhara; Natarajan, Jegadeeswaran; Koppad, Praveennath G.	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART L-JOURNAL OF MATERIALS-DESIGN AND APPLICATIONS	2022	
Pt-Rh alloy catalysts for hydrogen generation developed by direct current/pulse current method	Devendra, Bharath K.; Praveen, B. M.; Tripathi, V. S.; Nagaraju, D. H.; Nayana, K. O.	JOURNAL OF THE IRANIAN CHEMICAL SOCIETY	2022	
Tuning the non-linear optical absorption properties of Eu ³⁺ -doped NiWO ₄ nanostructures	Karthika, P. C.; Sharath, R. A.; Flower, N. Angeline Little; Rahulan, K. Mani; Vinitha, G.; Sasidharan, M.; Prakashbabu, D.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2022	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Sequential One-Pot Synthesis of 2-Aminothiazoles Using Corresponding Ketones: Insights into Their Structural Features	Nagarajaiah, H.; Prasad, N. L.; Begum, Noor Shahina	POLYCYCLIC AROMATIC COMPOUNDS	2022	
Recent advances in on-site monitoring of heavy metal ions in the environment	Kumar, H. N. Nayan; Nagaraju, D. H.; Yhobu, Zhoveta; Shivakumar, P.; Kumara, K. S. Manjunatha; Budagumpi, Srinivasa; Praveen, B. M.	MICROCHEMICAL JOURNAL	2022	
A critical review on biomass-based sustainable biorefineries using nanobiocatalysts: Opportunities, challenges, and future perspectives	Saratale, Rijuta Ganesh; Cho, Si-Kyung; Bharagava, Ram Naresh; Patel, Anil Kumar; Varjani, Sunita; Mulla, Sikandar I.; Kim, Dong Su; Bhatia, Shashi Kant; Ferreira, Luiz Fernando Romanholo; Shin, Han Seung; Saratale, Ganesh Dattatraya	BIORESOURCE TECHNOLOGY	2022	
High-Energy-Density Asymmetric Supercapacitor Based on Layered-Double-Hydroxide-Derived CoNi ₂ S ₄ and Eco-friendly Biomass-Derived Activated Carbon	Siddiqa, Aisha; Nagaraju, D. H.; Padaki, Mahesh	ENERGY & FUELS	2022	
Polyphenols and Their Nanoformulations: Protective Effects against Human Diseases	Anand, Santosh; Sowbhagya, Ramachandregowda; Ansari, Mohammad Azam; Alzohairy, Mohammad A.; Alomary, Mohammad N.; Almalik, Asiyah, I; Ahmad, Wasim; Tripathi, Takshashila; Elderbery, Abozer Y.	LIFE-BASEL	2022	
Co-biomass degradation of fluoranthene by marine-derived fungi; <i>Aspergillus aculeatus</i> and <i>Mucor irregularis</i> : Comprehensive process optimization, enzyme induction and metabolic analyses	Bankole, Paul Olusegun; Omoni, Victor Taghohor; Mulla, Sikandar Imamsab; Adebajo, Seun Owolabi; Adekunle, Adedotun Adeyinka	ARABIAN JOURNAL OF CHEMISTRY	2022	
Hybrid optimization enabled deep learning technique for multi-level intrusion detection	Selvan, G. S. R. Emil; Azees, M.; Vinodkumar, CH. Rayala; Parthasarathy, G.	ADVANCES IN ENGINEERING SOFTWARE	2022	
Effect of triethanolamine and sodium hexametaphosphate on formation, growth and breakdown of passive layer in concrete pore solution	Mandal, Soumen; Singh, Jitendra Kumar; Mallapur, Srinivas; Lee, Dong-Eun; Park, Taejoon	JOURNAL OF BUILDING ENGINEERING	2022	
A review on nanomaterial-based electrodes for the electrochemical detection of chloramphenicol and furazolidone antibiotics	Abhishek, K. J.; Reddy, Sathish; Acharya, Shubha; Lakshmi, B.; Deepak, K.; Naveen, C. S.; Harish, K. N.; Ramakrishna, Seeram	ANALYTICAL METHODS	2022	
Improvement in Oxygen Evolution Performance of NiFe Layered Double Hydroxide Grown in the Presence of 1T-Rich MoS ₂	Chakraborty, Soumita; Marappa, Shivanna; Agarwal, Sakshi; Bagchi, Debabrata; Rao, Ankit; Vinod, Chathakudath P.; Peter, Sebastian C.; Singh, Abhishek; Eswaramoorthy, Muthusamy	ACS APPLIED MATERIALS & INTERFACES	2022	
Novel laccase from <i>Xylaria polymorpha</i> and its efficiency in the biotransformation of pharmaceuticals: Optimization of operational conditions, comparative effect of redox-mediators and toxicity studies	Bankole, Paul Olusegun; Omoni, Victor Taghohor; Tennison-Omoh, Chidinma Angela; Adebajo, Seun Owolabi; Mulla, Sikandar Imamsab; Adekunle, Adedotun Adeyinka; Semple, Kirk Taylor	COLLOIDS AND SURFACES B-BIOINTERFACES	2022	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Improving the classification accuracy of melanoma detection by performing feature selection using binary Harris hawks optimization algorithm	Bansal, Priti; Vanjani, Abhishek; Mehta, Astha; Kavitha, J. C.; Kumar, Sumit	SOFT COMPUTING	2022	
A Survey on Additively Manufactured Nanocomposite Biomaterial for Orthopaedic Applications	Gowtham, S.; Kumar, T. Ch. Anil; Devi, N. S. M. P. Latha; Chakravarthi, M. Kalyan; Kumar, S. Pradeep; Karthik, R.; Anandaram, Harishchander; Kumar, N. Manoj; Ramaswamy, Kiran	JOURNAL OF NANOMATERIALS	2022	
Bioactivity and Pharmacological Potential of Date Palm (Phoenix dactylifera L.) Against Pandemic COVID-19: a Comprehensive Review	Ahmad Mohd Zain, Muhammad Rajaei; Abdul Kari, Zulhisyam; Dawood, Mahmoud A. O.; Nik Ahmad Ariff, Nik Shahman; Salmuna, Zeti Norfidiyati; Ismail, Norzila; Ibrahim, Al Hafiz; Thevan Krishnan, Kumara; Che Mat, Nor Fazila; Edinur, Hisham Atan; Abdul Razab, Mohammad Khairul Azhar; Mohammed, Aurifullah; Mohamed Salam, Sirajudeen Kuttulebbai Naina; Rao, Pasupuleti Visweswara; Mohamad, Sakinah; Hamat, Basyarah; Zainal Abidin, Shahriman; Seong Wei, Lee; Ahmed Shokri, Amran	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY	2022	
Microbial application in remediation of heavy metals: an overview	Choudhury, Saddique; Chatterjee, Ankita	ARCHIVES OF MICROBIOLOGY	2022	
Development of Protein Rich Pregelatinized Whole Grain Cereal Bar Enriched With Nontraditional Ingredient: Nutritional, Phytochemical, Textural, and Sensory Characterization	Allai, Farhana Mehraj; Dar, B. N.; Gul, Khalid; Adnan, Mohd; Ashraf, Syed Amir; Hassan, Md Imtaiyaz; Pasupuleti, Visweswara Rao; Azad, Z. R. A. A.	FRONTIERS IN NUTRITION	2022	
Comparative study of nitrogen doped multi walled carbon nanotubes grafted with carboxy methyl cellulose hybrid composite by inverse gas chromatography and its UV photo detectors application	Kumar, Basivi Praveen; Rao, Pasupuleti Visweswara; Hamieh, Tayssir; Kim, Chang Woo	JOURNAL OF CHROMATOGRAPHY A	2022	
Palm tree structure based data aggregation and routing in underwater wireless acoustic sensor networks: Agent oriented approach	Krishnaswamy, Vani; Manvi, Sunilkumar S.	JOURNAL OF KING SAUD UNIVERSITY- COMPUTER AND INFORMATION SCIENCES	2022	
Highly efficient catalysts of ruthenium clusters on Fe ₃ O ₄ /MWCNTs for the hydrogen evolution reaction	Ramachandra, Shwetha Kolathur; Nagaraju, Doddahalli Hanumantharayudu; Marappa, Shivanna; Kapse, Samadhan; Thapa, Ranjit	NEW JOURNAL OF CHEMISTRY	2022	
Segmentation of cotton leaf images using a modified Chan Vese method	Patil, Bhagya M.; Burkpalli, Vishwanath	MULTIMEDIA TOOLS AND APPLICATIONS	2022	
Photocatalytic degradation of organic textile dyes using tellurium-based metal alloy	Mahendra, K.; Fernandes, Jean Maria; Fernandes, Brian Jeevan; Bindu, K.; Ramesh, K. P.	VACUUM	2022	

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Impact of Single Amino Acid Substitutions in Parkinsonism- Associated Deglycase-PARK7 and Their Association with Parkinson's Disease	Anjum, Farah; Joshia, Namrata; Mohammad, Taj; Shafie, Alaa; Alhumaydhi, Fahad A.; Aljasir, Mohammad A.; Shahwan, Moyad J. S.; Abdullaev, Bekhzod; Adnan, Mohd; Elsbali, Abdelbaset Mohamed; Pasupuleti, Visweswara Rao; Hassan, Md Imtaiyaz	JOURNAL OF PERSONALIZED MEDICINE	2022	
Preparation of self-assembled porous flower-like nanostructured magnetite (Fe ₃ O ₄) electrode material for supercapacitor application	Manikandan, N.; Lakshmi, B.; Shivakumara, S.	JOURNAL OF SOLID STATE ELECTROCHEMISTRY	2022	
A review: electrical and gas sensing properties of polyaniline/ferrite nanocomposites	Ramakrishnaiah, Thejas; Gunderi Dhananjaya, Prasanna; Vakwadi Sainagesh, Chaturmukha; Reddy, Sathish; Kumaraswamy, Swaroop; Chikkahanumajja Surendranatha, Naveen	SENSOR REVIEW	2022	
Vinasse bio-valorization for enhancement of Pleurotus biomass productivity: chemical characterization and carbohydrate analysis	Aguiar, Mario M.; Wadt, Laise C.; Vilar, Debora S.; Hernandez-Macedo, Maria L.; Kumar, Vineet; Monteiro, Regina Teresa R.; Mulla, Sikandar I.; Bharagava, Ram Naresh; Iqbal, Hafiz M. N.; Bilal, Muhammad; Ferreira, Luiz Fernando R.	BIOMASS CONVERSION AND BIOREFINERY	2022	
Blast Protection Techniques: A Review	Kangda, Muhammed Zain	ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING	2022	
Design & Development of MPPT Using PSO With Predefined Search Space Based on Fuzzy Fokker Planck Solution	Ballaji, Adithya; Dash, Ritesh; Subburaj, Vivekanandan; Kalvakurthi, Jyotheeswara Reddy; Swain, Durgamadhab; Swain, Sarat Chandra	IEEE ACCESS	2022	
Gaussian Regression Models for Evaluation of Network Lifetime and Cluster-Head Selection in Wireless Sensor Devices	George, Anna Merine; Kulkarni, S. Y.; Kurian, Ciji Pearl	IEEE ACCESS	2022	
XGBoost Regression Classifier (XRC) Model for Cyber Attack Detection and Classification Using Inception V4	Raghunath, K. M. Karthick; Kumar, V. Vinoth; Venkatesan, Muthukumaran; Singh, Krishna Kant; Mahesh, T. R.; Singh, Akansha	JOURNAL OF WEB ENGINEERING	2022	
Assessment of diesel engine characteristics by using soybean oil as a biofuel	Gangolu, Nageswara Rao; Chunchu, Bala Rama Krishna; Yallamati, Abshalomu; Gopidesi, Radha Krishna	ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY	2022	
In vitro and in silico anti-leukemic activity of 2-amino-6-nitro-4-(4-oxo-2-thioxothiazolidin-5-yl)-4H-chromene-3-carbonitrile (ANC) through inhibition of anti-apoptotic Bcl-2 proteins	Veena, Vijay Kumar; Choudhury, Ahana Roy; Harikrishnan, Adhikesavan	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2022	
Predictive medicinal metabolites from Momordica dioica against comorbidity related proteins of SARS-CoV-2 infections	Sakshi, Chavan; Harikrishnan, A.; Jayaraman, Selvakumar; Choudhury, Ahana Roy; Veena, V.	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	2022	

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Surface Thermal Behavior and RT CO Gas Sensing Application of an Oligoacene naphthalene with p-Hydroxyphenylacetic Acid Composite	Basivi, Praveen Kumar; Hamieh, Tayssir; Pasupuleti, Kedhareswara Sairam; Pasupuleti, Visweswara Rao; Rao, Vempuluru Navakoteswara; Kim, Moon-Deock; Kim, Chang Woo	ACS OMEGA	2022	
A Switched Capacitor-Based Multilevel Boost Inverter for Photovoltaic Applications	Kumar, B. Hemanth; Prabhu, S.; Janardhan, K.; Arun, V; Vivekanandan, S.	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2022	
Non-linear radiation and dissipative impacts on non-Newtonian hydromagnetic Falkner-Skan fluid through a wedge	Babu, B. Hari; Rao, P. S.; Reddy, Machireddy Gnanaswara; Varma, S. V. K.	WAVES IN RANDOM AND COMPLEX MEDIA	2022	
Design of a Highly Selective Benzimidazole-Based Derivative for Optical and Solid-State Detection of Zinc Ion	Honnappa, Nagarajaiah; Anil, Amith G.; Shekar, Shweta; Behera, Sushant Kumar; Ramamurthy, Praveen C.	INORGANIC CHEMISTRY	2022	
Synthesis and characterization of plate like high surface area MgO nanoparticles for their antibacterial activity against Bacillus cereus (MTCC 430) and Pseudomonas aeruginosa (MTCC 424) bacterias	Rajagopalachar, Sreekanth; Pattar, Jayadev; Mulla, Sikandar	INORGANIC CHEMISTRY COMMUNICATIONS	2022	
Spectrum trading and sharing in unmanned aerial vehicles based on distributed blockchain consortium system	Liu, Lijuan; Shafiq, Muhammad; Sonawane, Vijay R.; Murthy, Mantripragada Yaswanth Bhanu; Reddy, Pundru Chandra Shaker; Reddy, K. M. N. Chaitanya Kumar	COMPUTERS & ELECTRICAL ENGINEERING	2022	
Multifunctional biogenic Al-doped zinc oxide nanostructures synthesized using bioreductant chaetomorpha linum extricate exhibit excellent photocatalytic and bactericidal ability in industrial effluent treatment	Somu, Prathap; Khanal, Hari Datta; Gomez, Levin Anbu; Vinaykumar, R.; Shim, Jae-Jin; Lee, Yong Rok	BIOMASS CONVERSION AND BIOREFINERY	2022	
Wavelength assignment in optical fiber with intelligent optimization and assignment scheme for static and dynamic traffic intensity based Photonic networks	Kumar, B. Muthu; Guduru, Rama Krishna Reddy; Srinivas, Azmeera; Ana, Farkhanda; Ramudu, Kama; Dhiman, Gaurav	OPTICAL AND QUANTUM ELECTRONICS	2022	
Weather-based maize yield forecast in Saudi Arabia using statistical analysis and machine learning	Jayagopal, Prabhu; Muthukumaran, Venkatesan; Koti, Manjula Sanjay; Kumar, Sampath Satheesh; Rajendran, Sukumar; Mathivanan, Sandeep Kumar	ACTA GEOPHYSICA	2022	
Minimization of Latency Using Multitask Scheduling in Industrial Autonomous Systems	Singhal, Amit; Varshney, Sudeep; Mohanaprakash, T. A.; Jayavadivel, R.; Deepti, K.; Reddy, Pundru Chandra Shaker; Mulat, Molla Bayih	WIRELESS COMMUNICATIONS & MOBILE COMPUTING	2022	
Synthesis and characterization of paraffin wax with carbon nanotubes and magnesium oxide	Venugopal, Jayaprakash; Prathap, Lavanya; Rao, Chennu M. M. Prasada; Alagesan, Jagatheesan; Manjunatha, L. H.; Gangodkar, Durgaprasad; Mohanavel, V; Sathyamurthy, Ravishankar	ENERGY REPORTS	2022	

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VM Scheduling for Efficient Dynamically Migrated Virtual Machines (VMS-EDMVM) in Cloud Computing Environment	Supreeth, S.; Patil, Kirankumari	KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS	2022	
An adaptive TS-fuzzy model based RBF neural network learning for grid integrated photovoltaic applications	Priyadarshi, Neeraj; Sanjeevikumar, P.; Bhaskar, M. S.; Azam, Farooque; Taha, Ibrahim B. M.; Hussien, Mohamed G.	IET RENEWABLE POWER GENERATION	2022	
Comparative analysis of web-based programs for single amino acid substitutions in proteins	Choudhury, Arunabh; Mohammad, Taj; Anjum, Farah; Shafie, Alaa; Singh, Indrakant K.; Abdullaev, Bekhzod; Pasupuleti, Visweswara Rao; Adnan, Mohd; Yadav, Dharmendra Kumar; Hassan, Md Imtaiyaz	PLOS ONE	2022	
Morphological Failure Study of Low Nickel Austenitic Grade SS: Metal Spinning	Vivek, R.; Prakash, B.; Sivamani, S.; Selvaganapathy, V; Kumar, S. Pradeep; Ramesh, B.; Karthik, R.; Jayakumar, V; Masi, Chandran	JOURNAL OF NANOMATERIALS	2022	
Exploring the emerging applications of the advanced 2-dimensional material borophene with its unique properties	Bhavyashree, M.; Rondiya, Sachin R.; Hareesh, K.	RSC ADVANCES	2022	
Value-added waste substitution using slag and rubber aggregates in the sustainable and eco-friendly compressed brick production	Praburanganathan, S.; Chithra, S.; Divyah, N.; Sudharsan, N.; Reddy, Yeddula Bharath Simha; Vigneshwaran, S.	REVISTA DE LA CONSTRUCCION	2022	
Environmental Impact and Carbon Footprint Assessment of Sustainable Buildings: An Experimental Investigation	Chukka, Naga Dheeraj Kumar Reddy; Arivumangai, A.; Kumar, Sanjeev; Subashchandrabose, R.; Reddy, Yeddula Bharath Simha; Natrayan, L.; Debela, Geleta Chala	ADSORPTION SCIENCE & TECHNOLOGY	2022	
Transcriptome-wide identification and computational insights into protein modeling and docking of CAMTA transcription factors in Eleusine coracana L (finger millet)	Kadri, Syeda Ulfath Tazeen; Mulla, Sikandar, I; Babu, Nagesh R.; Suchithra, B.; Bilal, Muhammad; Ameen, Fuad; Bharagava, Ram Naresh; Saratale, Ganesh Dattatraya; Romanholo Ferreira, Luiz Fernando; Pine Americo-Pinheiro, Juliana Heloisa	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2022	
Analysis of DFIG-STATCOM P2P control action using simulated annealing techniques	Hete, R. R.; Mishra, Sanjoy Kumar; Dash, Ritesh; Ballaji, Adithya; Subburaj, Vivekanandan; Reddy, Kalvakurthi Jyotheeswara	HELIYON	2022	
Machine Learning Technique to Detect and Classify Mental Illness on Social Media Using Lexicon-Based Recommender System	Sumathy, B.; Kumar, Anand; Sungeetha, D.; Hashmi, Arshad; Saxena, Ankur; Kumar Shukla, Piyush; Nuagah, Stephen Jeswinde	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	2022	
Non-enzymatic Catalytic Oxidation of Glucose and Dual Mode Sensing by Fluorescence/Electrochemical Methods Using MO-GO Composites (MO = ZnO, CuO, NiO and Co3O4)	Krishna, R. Hari; Chandraprabha, M. N.; Mamatha, G. M.; Mallappa, M.; Kundagol, Deepa; Manjunatha, C.	TOPICS IN CATALYSIS	2022	
Platinum Coatings on SS304: Photocatalytic Dye Degradation Application	Devendra, Bharath K.; Praveen, B. M.; Tripathi, V. S.; Nagaraju, G.; Nayana, K. O.; Nagaraju, D. H.	IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE	2022	

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Multiresidue pesticide analysis in green chilli using GC-MS/MS using modified QuEChERS method with highly efficient Fe ₃ O ₄ @CFR@GO nanocomposite	Khetagoudar, Mahadev C.; Jinendra, Usha; Kumar, Avvaru Praveen; Bilehal, Dinesh; Kollur, Shiva Prasad	INORGANIC CHEMISTRY COMMUNICATIONS	2022	
Design, synthesis and molecular docking studies of some 1-(5-(2-fluoro-5-(trifluoromethoxy)phenyl)-1,2,4-oxadiazol-3-yl)piperazine derivatives as potential anti-inflammatory agents	Kulkarni, B.; Manjunatha, K.; Joy, Muthipeedika Nibin; Sajith, Ayyiliath Meleveetil; Prashantha, C. N.; Pakkath, Ranjith; Alshammari, Mohammed B.	MOLECULAR DIVERSITY	2022	
Assessing the impacts of climate change on drought-prone regions in Bhima sub-basin (India) using the Standard Precipitation Index	Laddimath, Rajashekhar S.; Patil, Nagraj S.; Rao, P. S.; Nagendra	JOURNAL OF WATER AND CLIMATE CHANGE	2022	
Third-order nonlinear optical characteristics of Er ³⁺ -doped BaMoO ₄ nanostructures	Sharath, R. A.; Rahulan, K. Mani; Flower, N. Angeline Little; Sujatha, R. Annie; Vinitha, G.; Rajeev, L. Reshma; Saha, Tandrima; Prakashbabu, D.	JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS	2022	
Roles and impacts of heat source/sink and magnetic field on non-Darcy three-component Marangoni convection in a two-layer structure	Manjunatha, N.; Yellamma, Sumithra, R.; Yogeesh, K. M.; Kumar, Rajesh; Kumar, R. Naveen	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2022	
The impacts of shape factor and heat transfer on two-phase flow of nano and hybrid nanofluid in a saturated porous medium	Subray, P. V. Ananth; Hanumagowda, B. N.; Varma, S. V. K.; Hatami, Mohammad	SCIENTIFIC REPORTS	2022	
Heat Transfer Characteristics of Fullerene and Titania Nanotube Nanofluids under Agitated Quench Conditions	Quadros, Jaimon Dennis; Khan, Sher Afghan; Prashanth, T.; Mogul, Yakub Iqbal; Hanumanthraya, R.; Abbas, Mohamed; Saleel, C. Ahamed; Shaik, Saboor	ACS OMEGA	2022	
Transient electromagnetohydrodynamic Nanofluid flow traveling through a moving Riga plate subject to radiation and heat absorption	Asogwa, Kanayo Kenneth; Rajendra Prasad, K. C.; Kumar, Raman; Murtugudde, Gururaj; Punith Gowda, R. J.	INTERNATIONAL JOURNAL OF MODERN PHYSICS B	2022	
The epigenetic correlation among ovarian cancer, endometriosis and PCOS: A review	Throwba, P. K. Harinee; Unnikrishnan, Lakshmi; Pangath, Meghna; Vasudevan, Karthick; Jayaraman, Selvaraj; Li, Min; Iyaswamy, Ashok; Palaniyandi, Kanagaraj; Gnanasampanthapandian, Dhanavathy	CRITICAL REVIEWS IN ONCOLOGY HEMATOLOGY	2022	
Lignocellulose Biopolymers and Electronically Conducting Polymers: Toward Sustainable Energy Storage Applications	Yhobu, Zhoveta; Siddiq, Aisha; Padaki, Mahesh; Budagumpi, Srinivasa; Nagaraju, D. H.	ENERGY & FUELS	2022	
A novel hybrid grey wolf optimized fuzzy logic control based photovoltaic water pumping system	Priyadarshi, Neeraj; Padmanaban, Sanjeevikumar; Bhaskar, Mahajan Sagar; Azam, Farooque; Khan, Baseem; Hussien, Mohamed G.	IET RENEWABLE POWER GENERATION	2022	
Design and Analysis of DFIG-STATCOM Coordinated P2P Grid Connected System Using RMSProp	Hete, R. R.; Mishra, Sanjay Kumar; Dash, Ritesh; Reddy, Kalvakurthi Jyotheeswara; Subburaj, Vivekanandan; Dhanamjayulu, C.	SUSTAINABILITY	2022	

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Tuning the Surface Functionality of Fe ₃ O ₄ for Sensitive and Selective Detection of Heavy Metal Ions	Kumara, Manjunatha K. S.; Nagaraju, D. H.; Yhobu, Zhoveta; Kumar, Nayan H. N.; Budagumpi, Srinivasa; Bose, Shubhankar Kumar; Shivakumar, P.; Palakollu, Venkata Narayana	SENSORS	2022	
BiLaWO ₆ : Er ³⁺ /Tm ³⁺ /Yb ³⁺ phosphor: Study of multiple fluorescence intensity ratiometric thermometry at cryogenic temperatures	Pavani, K.; Neves, A. J.; Pinto, Ricardo J. B.; Freire, Carmen S. R.; Soares, M. J.; Graca, M. P. F.; Kumar, K. Upendra; Jakka, S. K.	CERAMICS INTERNATIONAL	2022	
Windmill Global Sourcing in an Initiative Using a Spherical Fuzzy Multiple-Criteria Decision Prototype	Raizah, Zehba; Nanjappa, Udaya Kumara Kodipalya; Shankar, Harshitha Urs Ajjipura; Khan, Umair; Eldin, Sayed M.; Kumar, Rajesh; Galal, Ahmed M.	ENERGIES	2022	
A novel and comprehensive mechanism for the energy management of a Hybrid Micro-grid System	Sayed, Farrukh; Hanumanthakari, Sudheer; Oommen, Sujo; Anitha, G.; Hemavathi, S.; Pundir, Aditya Kumar Singh; Sudhakar, M.; Sathyamurthy, Ravishankar; Mohanavel, V.	ENERGY REPORTS	2022	
Dynamics of Heat Transfer Analysis of Convective-Radiative Fins with Variable Thermal Conductivity and Heat Generation: Differential Transformation Method	Subray, P. V. Ananth; Hanumagowda, B. N.; Varma, S. V. K.; Zidan, A. M.; Alaoui, Mohammed Kbir; Raju, C. S. K.; Shah, Nehad Ali; Junsawang, Prem	MATHEMATICS	2022	
Memory optimization at Edge for Distributed Convolution Neural Network	Naveen, Soumyalatha; Kounte, Manjunath R.	TRANSACTIONS ON EMERGING TELECOMMUNICATIONS TECHNOLOGIES	2022	
An Improved Deep Residual Convolutional Neural Network for Plant Leaf Disease Detection	Pandian, Arun J.; Kanchanadevi, K.; Rajalakshmi, N. R.; Arulkumar, G.	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	2022	
Synthesis and biological evaluation of novel dialkyl (4-amino-5H-chromeno [2,3-d]pyrimidin-5-yl)phosphonates	Sreelakshmi, Poola; Krishna, Balam Satheesh; Santhisudha, Sarva; Murali, Sudileti; Reddy, Gajjala Raghavendra; Venkataramaiah, Chintha; Rao, Pasupuleti Visweswara; Reddy, Avula Vijaya Kumar; Swetha, Vallela; Zyryanov, Grigory Vasilievich; Reddy, Chichili Devendhranath; Reddy, Cirandur Suresh	BIOORGANIC CHEMISTRY	2022	
Pyridine-functionalized N-heterocyclic carbene gold(I) binuclear complexes as molecular electrocatalysts for oxygen evolution reactions	Yhobu, Zhoveta; Markandeya, Geetha Basappa; Malecki, Jan Grzegorz; Srinivasa, Hosapalya Thimmaiah; Keri, Rangappa S.; Nagaraju, Doddahalli Hanumantharayudu; Azam, Mohammad; Al-Resayes, Saud, I; Budagumpi, Srinivasa	APPLIED ORGANOMETALLIC CHEMISTRY	2022	
Targeted metagenome sequencing reveals the abundance of Planctomycetes and Bacteroidetes in the rhizosphere of pomegranate	Ravinath, Renuka; Das, Anupam J.; Usha, Talambedu; Ramesh, Nijalingappa; Middha, Sushil Kumar	ARCHIVES OF MICROBIOLOGY	2022	
Coordination chemistry of silver(I), gold(I) and nickel(II) with bis N-heterocyclic carbenes: applications in electrocatalytic hydrogen evolution reaction	Geetha, B. M.; Yhobu, Zhoveta; Monica, V; Malecki, Jan Grzegorz; Nagaraju, D. H.; Azam, Mohammad; Al-Resayes, Saud, I; Budagumpi, Srinivasa	JOURNAL OF COORDINATION CHEMISTRY	2022	
Stacked auto-encoders based visual features for speech/music classification	Kumar, Arvind; Solanki, Sandeep Singh; Chandra, Mahesh	EXPERT SYSTEMS WITH APPLICATIONS	2022	

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Interaction of anthracite coal ash and Archis hypogaea shell ash on an innovative brick: an experimental and simulation study	Sudharsan, N.; Praburanganathan, S.; Reddy, Yeddula Bharath Simha; Kumar, Pavan P.	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION	2022	
Tumor Detection on Microarray Data Using Grey Wolf Optimization with Gain Information	Sree Devi, K. Dhana; Karthikeyan, P.; Moorthy, Usha; Deeba, K.; Maheshwari, V.; Allayear, Shaikh Muhammad	MATHEMATICAL PROBLEMS IN ENGINEERING	2022	
(Zn, Ni)-ferrite nanoparticles for promoted osteogenic differentiation of MC3T3-E1 cells	Mohan, Harshavardhan; Karthi, Natesan; Sathya, Pavithra Muthukumar; Ramalingam, Vaikundamoorthy; Thimmarayan, Srivalli; Hossain, Mohammad Amjad; Aravinthan, Adithan; Shin, Taeho	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	2022	
Recent development in chemosensor probes for the detection and imaging of zinc ions: a systematic review	Sadananda, D.; Mallikarjunaswamy, A. M. M.; Prashantha, C. N.; Mala, Ramanjaneyulu; Gouthami, Kuruvalli; Lakshminarayana, Lavanya; Ferreira, Luiz Fernando Romanholo; Bilal, Muhammad; Rahdar, Abbas; Mulla, Sikandar, I	CHEMICAL PAPERS	2022	
Polypyrrole Coated Multiwalled Carbon Nanotube Hybrids for Corrosion Inhibition	Madhusudhan, C. K.; Kumar, R. S. Praveen; Faisal, Muhammad; Mahendra, K.; Raghavendra, Narasimha; Vasantha, V. T.	COLLOID JOURNAL	2022	
Statistical device simulations of III-V nanowire resonant tunneling diodes as physical unclonable functions source	Rezaei, Ali; Maciazek, Patryk; Sengupta, Amretashis; Dutta, Tapas; Medina-Bailon, Cristina; Asenov, Asen; Georgiev, Vihar P.	SOLID-STATE ELECTRONICS	2022	
Infection Dynamics of ATG8 in Leishmania: Balancing Autophagy for Therapeutics	Guhe, Vrushali; Anjum, Farah; Shafie, Alaa; Hassan, Md Imtaiyaz; Pasupuleti, Visweswara Rao; Singh, Shailza	MOLECULES	2022	
Apprehending the Effect of Internet of Things (IoT) Enables Big Data Processing through Multinetwork in Supporting High-Quality Food Products to Reduce Breast Cancer	Shukla, Surendra Kumar; Kumar, B. Muthu; Sinha, Divyanshu; Nemade, Varsha; Mussiraliyeva, Shynar; Sugumar, R.; Jain, Rituraj	JOURNAL OF FOOD QUALITY	2022	
Effect of Nano Ground Granulated Blast Furnace Slag (GGBS) Volume % on Mechanical Behaviour of High-Performance Sustainable Concrete	Srikanth, Seelam; Krishna, Chunchu Bala Rama; Srikanth, T.; Nitesh, K. J. N. Sai; Nadh, V. Swamy; Kumar, Sanjeev; Thanappan, Subash	JOURNAL OF NANOMATERIALS	2022	
Low-Velocity Impact and Compression after Impact Properties of Hemp and Jute Fiber Reinforced Epoxy Composites	Patil, Shreekant; Reddy, Dagalahal Mallikarjuna; Naveen, J.; Swamy, S. S.; Vignesh, P.; Venkatachalam, G.	JOURNAL OF NATURAL FIBERS	2022	
Experimental Testing on Mechanical, Durability, and Adsorption Dispersion Properties of Concrete with Multiwalled Carbon Nanotubes and Silica Fumes	Chukka, Naga Dheeraj Kumar Reddy; Reddy, B. Sudharshan; Vasugi, K.; Reddy, Yeddula Bharath Simha; Natrayan, L.; Thanappan, Subash	ADSORPTION SCIENCE & TECHNOLOGY	2022	
Lung cancer classification using exponential mean saturation linear unit activation function in various generative adversarial network models	Thirumagal, Egambaram; Saruladha, Krishnamurthy	INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY	2022	

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Unravelling the Molecular Interaction of Pentoxifylline with Calf Thymus DNA: A Multitechnique Approach	Mallappa, M.; Savanur, Mohammed Azharuddin; Gowda, Babu G.; Reddy, M. B. Madhusudana; Mulla, Sikandar, I	CHEMISTRYSELECT	2022	
Dynamics of ferromagnetic due to nonlinear thermal buoyancy when Cattaneo-Christov heat flux and magnetic dipole whose magnetic scalars are significant	Sreelakshmi, T. K.; Abraham, Annamma; Chethan, A. S.; El-Zahar, Essam R.; Raju, C. S. K.; Raju, B. T.; Shah, Nehad Ali	WAVES IN RANDOM AND COMPLEX MEDIA	2022	
Predicting invasive ductal carcinoma tissues in whole slide images of breast Cancer by using convolutional neural network model and multiple classifiers	Deepa, B. G.; Senthil, S.	MULTIMEDIA TOOLS AND APPLICATIONS	2022	
Recent advances in the chemistry of the phosphoethynolate and arsaethynolate anions	Basappa, Suma; Bhawar, Ramesh; Nagaraju, D. H.; Bose, Shubhankar Kumar	DALTON TRANSACTIONS	2022	
Water Soaking and Re-Drying Effect on Mechanical and Wear Properties of Nanoclay-Polyester Nanocomposites	Kini, Achutha; Shettar, Manjunath; Kowshik, Suhas; Nikhil, R.; Chate, Ganesh	MATERIALS RESEARCH-IBERO-AMERICAN JOURNAL OF MATERIALS	2022	
Unstructured Oncological Image Cluster Identification Using Improved Unsupervised Clustering Techniques	Kumar, S. Sreedhar; Ahmed, Syed Thouheed; Xin, Qin; Sandeep, S.; Madheswaran, M.; Basha, Syed Muzamil	CMC-COMPUTERS MATERIALS & CONTINUA	2022	
Gallic acid-silver nanoparticles embedded in cotton gauze patches accelerated wound healing in diabetic rats by promoting proliferation and inhibiting apoptosis through the Wnt/beta-catenin signaling pathway	Reddy, Vendidandala Nagarjuna; Nyamathulla, Shaik; Pahirulzaman, Khomaizon Abdul Kadi; Mokhtar, Seri Intan; Giribabu, Nelli; Pasupuleti, Visweswara Rao	PLOS ONE	2022	
A study on structural analysis and magnetic behaviour of barium hexaferrite nanomaterial Classical ferromagnetic material under thermal treatment	Thiyagaraj, S.; Samaje, Vishal Vrashabhanath; Kambhala, Nagaiah; Ferdinand, A. Christy; Munirathnam, K.	APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING	2022	
Adaptive partitioning-based copy-move image forgery detection using optimal enabled deep neuro-fuzzy network	Mariappan, Geetha; Satish, Aravapalli Rama; Reddy, P. V. Bhaskar; Maram, Balajee	COMPUTATIONAL INTELLIGENCE	2022	
Charge Density Based Small Signal Modeling for InSb/AlInSb Asymmetric Double Gate Silicon Substrate HEMT for High Frequency Applications	Kumar, T. Venish; Venkatesh, M.; Muthupandian, B.; Priya, G. Lakshmi	SILICON	2022	
Analysing the User Actions and Location for Identifying Online Scam in Internet Banking on Cloud	Lazar, Arokia Jesu Prabhu; Sengan, Sudhakar; Cavaliere, Luigi Pio Leonardo; Nadesan, Thillaiarasu; Sharma, Deepesh; Gupta, Mukesh Kumar; Palaniswamy, Thangam; Vellingiri, Mahendiran; Sharma, Dilip Kumar; Subramani, Thirukumaran	WIRELESS PERSONAL COMMUNICATIONS	2022	
A proactive model to predict osteoporosis: An artificial immune system approach	Periasamy, Keerthika; Periasamy, Suresh; Velayutham, Sathiyamoorthi; Zhang, Zuopeng; Ahmed, Syed Thouheed; Jayapalan, Anitha	EXPERT SYSTEMS	2022	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Tribological Performance Enhancement of Bronze Alloy through Microwave Irradiation: Fundamental Tribo-Tests and Real-Time Journal Bearing Applications	Sateesh Kumar, Perumalla; Amarnath, Muniyappa; Devaraj, Sonnappa; Vardhaman, B. S. Ajay; Ramkumar, J.	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	2022	
Resolvins Lipid Mediators: Potential Therapeutic Targets in Alzheimer and Parkinson Disease	Anand, Santosh; Ansari, Mohammad Azam; Sukrutha, Sambamurthy Kumaraswamy; Alomary, Mohammad N.; Khan, Anmar Anwar; Elderderly, Abozer Y.	NEUROSCIENCE	2022	
RETRACTION: An efficient human tracking system using Haar-like and hog feature extraction (Retraction of Vol 22, Pg S2993, 2019)	Prasanna, Dinesh; Prabhakar, M.	CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS	2022	
Integrated Biorefinery and Life Cycle Assessment of Cassava Processing Residue-From Production to Sustainable Evaluation	Andrade, Larissa Renata Santos; Felisardo, Raul Jose Alves; Cruz, Ianny Andrade; Bilal, Muhammad; Iqbal, Hafiz M. N.; Mulla, Sikandar I. I.; Bharagava, Ram Naresh; de Souza, Ranyere Lucena; Azevedo, Lucas Carvalho Basilio; Ferreira, Luiz Fernando Romanholo	PLANTS-BASEL	2022	
Ethyl-4-(aryl)-6-methyl-2-(oxo/thio)-3,4-dihydro-1H-pyrimidine-5-carboxylates: Silica bismuth (III)triflate catalyzed synthesis and antioxidant activity	Gajjala, Raghavendra Reddy; Chinta, Raveendra Reddy; Gopireddy, Venkata Subba Reddy; Poola, Sreelakshmi; Balam, Satheesh Krishna; Chintha, Venkataramaiah; Pasupuleti, Visweswara Rao; Avula, Vijaya Kumar Reddy; Vallela, Swetha; Zyryanov, Grigory Vasilievich; Cirandur, Suresh Reddy	BIOORGANIC CHEMISTRY	2022	
An integrated gene network analysis to decode the multi-drug resistance mechanism in Klebsiella pneumoniae	Dey, Hrituraj; Vasudevan, Karthick; Dasegowda, K. R.; Rambabu, Majji; Cn, Prashantha; Doss, C. George Priya	MICROBIAL PATHOGENESIS	2022	
UPLC-ESI-Q-TOF-MSE-based metabolomics analysis of Acer mono sap and evaluation of osteogenic activity in mouse osteoblast cells	Natesan, Karthi; Srivalli, Thimmarayan; Mohan, Harshavardhan; Jayaprakash, Arul; Ramalingam, Vaikundamoorthy	FOOD & FUNCTION	2022	
Dielectric and Mechanical Properties of Silicone Rubber Composites Reinforced by Conductive Carbon Black and Neopentyl Glycol Diglycidyl Ether	Adimule, Vinayak; Rajendrachari, Shashanka; Mahale, Rayappa; Batakurki, Sheetal; Yallur, Basappa C.; Nandi, Santosh; Bagihalli, Gangadhar	SILICON	2022	
Entropy generation optimization in an unsteady hybrid nanofluid flow between two rotating disks: a numerical bioconvection model	Mahesh, A.; Raju, C. S. K.; Babu, M. Jayachandra; Rao, B. Madhusudhana; Varma, S. V. K.; Prasannakumara, B. C.	WAVES IN RANDOM AND COMPLEX MEDIA	2022	
Microstrip line fed dielectric resonator antenna optimization using machine learning algorithms	Singh, Om; Bharamagoudra, Manjula R.; Gupta, Harshit; Dwivedi, Ajay Kumar; Ranjan, Pinku; Sharma, Anand	SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES	2022	
Sustainable production of biofuels from the algae-derived biomass	Mahmood, Tehreem; Hussain, Nazim; Shahbaz, Areej; Mulla, Sikandar, I; Iqbal, Hafiz M. N.; Bilal, Muhammad	BIOPROCESS AND BIOSYSTEMS ENGINEERING	2022	

Title of paper	Name of author	Title of journal	Year of Publication	Scopus H-index
Type II NdWO ₃ /g-C ₃ N ₄ -n Heterojunction for Visible-Light-Driven Photocatalyst: Exploration of Charge Transfer in Nd ³⁺ -Ion-Doped WO ₃ /g-C ₃ N ₄ Composite	Kalidasan, Kavya; Mallapur, Srinivas; Vishwa, Prashanth; Kandaiah, Sakthivel	INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH	2022	
Adaptive control-based Isolated bi-directional converter for G2V& V2G charging with integration of the renewable energy source	Singirikonda, Srinivas; Obulesu, Yeddula Pedda; Kannan, Ramani; Reddy, K. Jyotheeswara; Kumar, G. Kiran; Alhakami, Wajdi; Baz, Abdullah; Alhakami, Hosam	ENERGY REPORTS	2022	
Structural and spectral properties of triple-color emitting Eu doped SrZr ₄ (PO ₄) ₆ phosphors: Plant growth LEDs application	Kumar, T. G. Vijay; Munirathnam, K.; Reddy, C. Parthasaradhi; Thiagaraj, S.; Venkatachalaiah, K. N.; Nagajyothi, P. C.	OPTIK	2022	
Multifunctional biogenic Al-doped zinc oxide nanostructures synthesized using bioreductant chaetomorpha linum extricate exhibit excellent photocatalytic and bactericidal ability in industrial effluent treatment (Aug. 10.1007/s13399-022-03177-7, 2022)	Somu, Prathap; Khanal, Hari Datta; Gomez, Levin Anbu; Vinaykumar, R.; Shim, Jae-Jin; Lee, Yong Rok	BIOMASS CONVERSION AND BIOREFINERY	2022	
Direct Torque Control of Induction Motor Using ConvLSTM Based on Gaussian Pillbox Surface	Potturi, Sudharani; Reddy, K. Jyotheeswara; Dash, Ritesh; Jena, Ramakanta; Subburaj, Vivekanandan; Dhanamjayulu, C.	MATHEMATICAL PROBLEMS IN ENGINEERING	2022	
Histone deacetylase inhibitors as antidiabetic agents: Advances and opportunities	Sonthalia, Manisha; Roy, Bhramar Sinha; Chandrawanshi, Divya; Ganesh, Goutham V.; Jayasuriya, Ravichandran; Mohandas, Sundhar; Rajagopal, Senthilkumar; Ramkumar, Kunka Mohanram	EUROPEAN JOURNAL OF PHARMACOLOGY	2022	
Effect of Scattering Angle in Electron Transport of AlGa _N and InGa _N	Vijetha, T.; Mallick, P. S.; Karthik, R.; Rajan, Kavitha	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2022	
Exploration of NMI-MsCl mediated amide bond formation for the synthesis of novel 3,5-substituted-1,2,4-oxadiazole derivatives: synthesis, evaluation of anti-inflammatory activity and molecular docking studies	Kulkarni, B.; Manjunatha, K.; Joy, Muthipeedika Nibin; Sajith, Ayyiliath Meleveetil; Santra, Sougata; Zyryanov, Grigory, V; Prashantha, C. N.; Alshammari, Mohammed B.; Sunil, K.	MOLECULAR DIVERSITY	2022	
Onboard Pointing Error Detection and Estimation of Observation Satellite Data Using Extended Kalman Filter	Dhanalakshmi, R.; Bhavani, N. P. G.; Raju, S. Srinivasulu; Shaker Reddy, Pundru Chandra; Marvaluru, Dinesh; Singh, Devesh Pratap; Batu, Areda	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	2022	
Competitive removal mechanism to simultaneously incarcerate bisphenol A, triclosan and 4-tert-octylphenol within beta-cyclodextrin crosslinked citric acid used for encapsulation in polypropylene membrane protected-micro-solid-phase extraction	Rozaini, Hafiz; Saad, Bahruddin; Lim, Jun Wei; Yahaya, Noorfatimah; Ramachandran, Muggundha Raoov; Ridzuan, Nur Diyan Mohd; Kiatkittipong, Worapon; Pasupuleti, Visweswara Rao; Lam, Sze Mun; Sin, Jin Chung	CHEMOSPHERE	2022	

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CFD simulation on optimum material to fabricate the counter flow of Ranque-Hilsch vortex tube	Rao, K. Kiran Kumar; Ramesh, A.; Hampali, Chennabasappa	SCIENTIFIC REPORTS	2022	
Advances in Zinc and Magnesium Battery Polymer Cathode Materials	Shivakumar, P.; Kumara, Manjunatha K. S.; Bose, Shubhankar Kumar; Nagaraju, D. H.	ACS APPLIED ENERGY MATERIALS	2022	
IoT and Machine Learning-Based Smart Automation System for Industry 4.0 Using Robotics and Sensors	Sujatha, M.; Priya, N.; Beno, A.; Blesslin Sheeba, T.; Manikandan, M.; Tresa, I. Monica; Jose, P. Subha Hency; Peroumal, Vijayakumar; Timothy, Sojan Palukaran	JOURNAL OF NANOMATERIALS	2022	
Design and Development of a Ceramic-Based MIMO Filtenna with Circular Polarization Features	Narayanaswamy, Nagesh Kallollu; Priyadarshini, B. K. Rashmi; Rani, B. A.; Anjum, Naghma; Jyothi, S. K.; Dwivedi, Ajay Kumar	JOURNAL OF ELECTRONIC MATERIALS	2022	
Improving Efficiency of Large RFID Networks Using a Clustered Method: A Comparative Analysis	Pandian, M. Thurai; Chouhan, Kuldeep; Kumar, B. Muthu; Dash, Jatindra Kumar; Jhanjhi, N. Z.; Ibrahim, Ashraf Osman; Abulfaraj, Anas W.	ELECTRONICS	2022	
Experimental study for optimizing superfinishing process parameters of high-quality alloy bearing steel	Qasem, Isam; Hussien, Ahmed A.; Janvekar, Ayub Ahmed; Kataraki, Pramodkumar S.; Pracki, Mirosław; Mujeebu, M. Abdul	SURFACE TOPOGRAPHY-METROLOGY AND PROPERTIES	2022	
New insights into the application of nanoghosts as theranostic tools with an emphasis on cardiovascular diseases (vol 23, 254, 2021)	Qindeel, Maimoona; Sabir, Fakhara; Sargazi, Saman; Mohammadzadeh, Vahideh; Mulla, Sikandar I.	JOURNAL OF NANOPARTICLE RESEARCH	2022	
SIMO DC-DC Converter for E-Vehicle and Regenerative Braking Based on Simulation and Model Investigation	Suresh, Saahithi; Raghu, C. N.; Dash, Ritesh; Kalvakurthi, Jyotheeswara Reddy; Athikkal, Sivaprasad; Subburaj, Vivekanandan	ENERGIES	2022	
Hybrid LSTM-PCA-Powered Renewable Energy-Based Battery Life Prediction and Management for IoT Applications	Siva, T.; Beno, A.; Lanitha, B.; Yogalakshmi, V.; Manikandan, M.; Kumar, S. Satheesh; Peroumal, Vijayakumar; Darwin Nesakumar, A.; Prasad, Vasireddy Raghu Ram	JOURNAL OF NANOMATERIALS	2022	
Multiconvolutional Transfer Learning for 3D Brain Tumor Magnetic Resonance Images	Sangeetha, S. K. B.; Muthukumaran, V.; Deeba, K.; Rajadurai, Hariharan; Maheshwari, V.; Dalu, Gemmachis Teshite	COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	2022	
Effect of Dwell Time on Fracture Load of Friction Stir Spot Welded Dissimilar Metal Joints	Sathyaseelan, P.; Manickavasagam, V. M.; Ravichandran, P.; Prasad, D. V. S. S. V.; Ramana Murthy Naidu, S. C. V.; Pradeep Kumar, S.; Ahmad Khan, Ateeb; Karthik, R.; Kerga, Gizachew Assefa	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2022	
Editorial: Regulatory action of calcium channels in pain pathway	Rajagopal, Senthilkumar; Kumar, Divya P.; Arul, Albert Baskar	FRONTIERS IN CELLULAR NEUROSCIENCE	2022	
A Mouse Model with Ablated Asparaginase and Isoaspartyl Peptidase 1 (Asrg11) Develops Early Onset Retinal Degeneration (RD) Recapitulating the Human Phenotype	Biswas, Pooja; Berry, Anne Marie; Zawaydeh, Qais; Bartsch, Dirk-Uwe G.; Raghavendra, Pongali B.; Hejtmancik, J. Fielding; Khan, Naheed W.; Riazuddin, S. Amer; Ayyagari, Radha	GENES	2022	

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Surface thermodynamic properties by reverse phase chromatography and visual traits using computer vision techniques on Amberlite XAD-7 acrylic-ester-resin	Kumar, Basivi Praveen; Hamieh, Tayssir; Kakani, Vijay; Rao, Pasupuleti Visweswara; Pasupuleti, Kedhareswara Sairam; Ramesh, Sivalingam; Kim, Moon-Deock; Kim, Chang Woo	POLYMERS FOR ADVANCED TECHNOLOGIES	2022	
A Fuzzy AHP-Fuzzy TOPSIS Urged Baseline Aid for Execution Amendment of an Online Food Delivery Affability	Shankar, Harshitha Urs Ajjipura; Nanjappa, Udaya Kumara Kodipalya; Alsulami, M. D.; Prasannakumara, Ballajja C.	MATHEMATICS	2022	
Early alert for sleep deprivation using mobile sensor data fusion	Sah, Dinesh Kumar; Ravindra, Chaya; Cengiz, Korhan; Alshehri, Yasser; Alnazzawi, Noha; Ivkovic, Nikola	COMPUTERS & ELECTRICAL ENGINEERING	2022	
Electrochemical corrosion behaviour of zinc and zinc-reduced graphene oxide coatings on mild steel in 3.5% NaCl solution	Dharanendra, R. A.; Prakash, M. Shet; Sreenivasa, S.; Shivakumara, S.	BULLETIN OF MATERIALS SCIENCE	2022	
Defect-induced measurements of semi-organic ammonium hydrogen oxalate oxalic acid dihydrate single crystals using gamma irradiation	Mahendra, K.; Fernandes, Jean Maria; Udayashankar, N. K.	RADIATION EFFECTS AND DEFECTS IN SOLIDS	2022	
Effect on Compression Molding Parameters in Mechanical Properties of MWCNT/Glass Fiber/Epoxy Composites	Venugopal, Jayaprakash; Dhanasakkaravathi, B.; Surakasi, Raviteja; Rinawa, Moti Lal; Manjunatha, L. H.; Alshgari, Razan A.; Wabaidur, Saikh Mohammad; Islam, Md Ataul; Jenish, I	ADVANCES IN POLYMER TECHNOLOGY	2022	
Experimental Investigation on the Effect of Coating Al ₂ O ₃ +70% NiCrBSi Cermets on Ti-31 Superalloy to Combat Hot Corrosion	Vinod Kumar, M. S.; Suresh, R.; Jegadeeswaran, N.; Leta Feyisa, Meseret	JOURNAL OF NANOMATERIALS	2022	
A Two-Step Horizon Optimum Switching Vector-Model Predictive Control with a Novel Shunt Active Filter Reference Current Extraction	Cheepati, Kumar Reddy; Rivera, Marco; Wheeler, Patrick; Subburaj, Vivekanandan; Krishnan, Suresh; Daram, Suresh Babu; Amaresh, Karnam	JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS	2022	
Investigation on Mechanical and Thermal Properties of a Kenaf/Jute Fiber-Reinforced Polyester Hybrid Biocomposite	Albaqami, Munirah D.; Dwivedi, Yagya Dutta; Krishnamoorthy, N.; Kumar, M. Logesh; Manjunatha, L. H.; Chowdary, Ch Mallika; Wabaidur, Saikh Mohammad; Prasad, A. Rajendra; Chikhale, Rupesh, V; Kumar, S. Praveen	ADVANCES IN POLYMER TECHNOLOGY	2022	
UV Photodetection from a p-n Junction-Based GLAD-Fabricated Au/n-TiO ₂ NW/p-Si Device	Deb, Prasenjit; Daimary, Sudem; Chetri, Priyanka; Dhar, Jay Chandra	JOURNAL OF ELECTRONIC MATERIALS	2022	
Structural, electrical and dielectric properties of chitosan/polyaniline/vanadium-pentoxide hybrid nanocomposites	Prashanth, Sushma; Nagaraja, Madihally; Mokshanatha, Praveen Beekanahalli; Pattar, Jayadev; Manohara, Shambonahalli Rajanna; Sunil, Kenchaiah	JOURNAL OF MOLECULAR STRUCTURE	2022	

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Vibrio cholerae O139 genomes provide a clue to why it may have failed to usher in the eighth cholera pandemic	Ramamurthy, Thandavarayan; Pragasam, Agila Kumari; Taylor-Brown, Alyce; Will, Robert C.; Vasudevan, Karthick; Das, Bhabatosh; Srivastava, Sunil Kumar; Chowdhury, Goutam; Mukhopadhyay, Asish K.; Dutta, Shanta; Veeraraghavan, Balaji; Thomson, Nicholas R.; Sharma, Naresh C.; Nair, Gopinath Balakrish; Takeda, Yoshifumi; Ghosh, Amit; Dougan, Gordon; Mutreja, Ankur	NATURE COMMUNICATIONS	2022	
Application of artificial intelligence for university information system	Udupa, Pradeep	ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE	2022	
Underground blast effects on structural pounding	Kangda, Muhammed Zain; Mate, Nilesh; Bakre, Sachin	EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION	2022	
Effect of Cutout on the Stability and Failure of Laminated Composite Cylindrical Panels Subjected to In-Plane Pulse Loads	Keshav, Vasanth; Patel, Shuvendu Narayan; Kumar, Rajesh; Watts, Gaurav	INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS	2022	
Analysis of the Thermal Effects on the Behaviour of Steel Connection Beam Section	Srikanth, Seelam; Kjn, Sai Nitesh; Krishna, Chunchu Bala Rama; Vasugi, K.; Teja, Cheerla Prabhu; Rao, Sesa Y.; Kumar, Sanjeev; Lemu, Dumesa Gudissa	ADVANCES IN MATERIALS SCIENCE AND ENGINEERING	2022	
Facile combustion synthesis of highly active Mo doped BiVO ₄ for photocatalytic dye degradation, photo-oxidation of alcohols, antifungal and antioxidant activities	Warrier, Vipul G.; Devasia, Jyothis; Nizam, Aatika; Vasantha, V. L.; Nagaraju, G.; Nagendra, G.	INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY	2022	
Dynamic Data Infrastructure Security for Interoperable e-Healthcare Systems: A Semantic Feature-Driven NoSQL Intrusion Attack Detection Model	Sreejith, R.; Senthil, S.	BIOMED RESEARCH INTERNATIONAL	2022	
High-power DC-DC converter with proposed HSFNA MPPT for photovoltaic based ultra-fast charging system of electric vehicles	Priyadarshi, Neeraj; Bhaskar, M. S.; Sanjeevikumar, P.; Azam, Farooque; Khan, Baseem	IET RENEWABLE POWER GENERATION	2022	
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