

10 YEARS
OF UNIVERSITY
RECOGNITION
20 YEARS OF
ACADEMIC
EXCELLENCE



REVA
UNIVERSITY

Bengaluru, India



Participative Learning

Rukmini Knowledge Park,
Kattigenahalli, Yelahanka, Bengaluru - 560 064
www.reva.edu.in

SDP PROGRAM FOR AT BioZEEN

Department of Biotechnology, REVA University had arranged five days skill development program on “Microbial Fermentation” and “Downstream Processing” from **21st to 25th October 2019** for third semester PG students of MSc Biotechnology. A total of 36 students attended the workshop at BioZEEN under the guidance of Mrs. Elizabeth Eldo, course coordinator and trainer for the sessions.

Students acquainted detailed knowledge on various techniques and process on “Microbial Fermentation” and “Downstream Processing”. Each day had different sessions on various concepts.

Under “Microbial Fermentation” sessions, a total of 13 students attended, and the first two days were totally dedicated to optimization of culture media where the students were given the task of finding the right culture media which could provide best yield of product at particular pH. The third day was related to preparation of optimized media and autoclaving technique to carry out fermentation process. The last two days were completely engaged for fermentation process and result observation of the culture.

And under “Downstream Processing”, sessions, a total of 23 students attended and the following topics were studied:

Day 1: Introduction and steps involved for **DOWN STREAM**. Introduction, principle and hands on training on **microfiltration**. **Day 2:** Introduction, principle and hands on training on **ultrafiltration**. **Day 3:** Introduction, principle and hands on training on **diafiltration**. **Day 4:** Introduction, principle and hands on training on **ion exchange chromatography**. **Day 5:** Introduction, principle and hands on training on **affinity chromatography**.

At the end of the session, there was a written examination followed by certificate distribution.

The entire BioZEEN workshop was supported and arranged by Prof. Renuka Madhu (HOD, Department of Biotechnology) and Dr. Beena G (Associate Dean, School of Applied Sciences).

Outcome of the SDP: Our PG Students got thorough hands on training on various topics on “Microbial Fermentation” and “Downstream Processing” thus making them eligible for the placement related to fermentation technology.

Participative Learning



Registrar

REVA University
Bengaluru - 560 064



Participative Learning


Registrar

REVA University
Bengaluru - 560 064



Participative Learning


Registrar
REVA University
Bengaluru - 560 064

Report on
Workshop on Innovation and Entrepreneurship
School of Architecture

Agenda: **Entrepreneurship**
Trainer: **Ar. Sindhu Jagannath**, Entrepreneur and Teacher
Organizer: **School of Architecture** in Collaboration with **University Industry Integration Centre**, REVA University
Coordinator: **Keerthana K**, Program Executive , UIC
Asst. prof. Anup Kumar Prasad, SOA, REVA University
Venue: **A.V. Room 325**, Architecture Block
Dates: **22nd November 2019**
Faculties: **Asst. Prof. Ujjal Halder** and **Asst. prof. Anup Kumar Prasad**
Students: **36 Students**, 7th Semester, School of Architecture

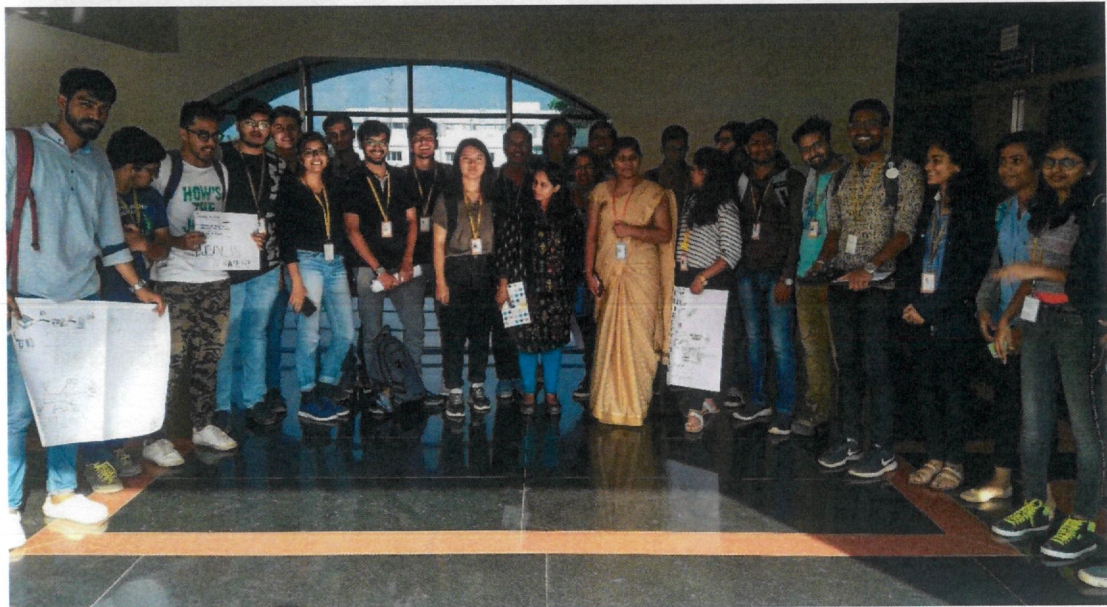
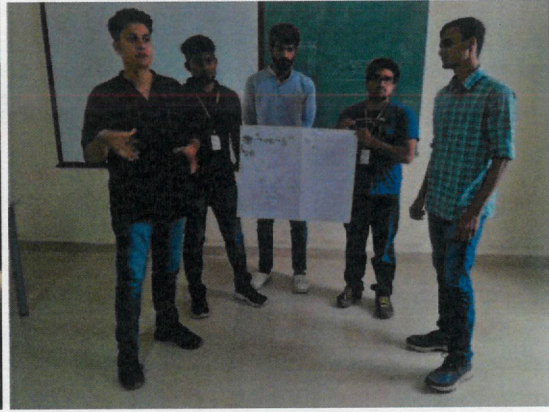
School of Architecture in association with, University Industry Integration Centre, REVA University has organized and conducted a workshop on Innovation and Entrepreneurship. 36 students from 7th semester and 2 faculties from School of Architecture have attended the session on 22nd November 2019 and get benefited with it.


Ar. Sindhu Jagannath, an entrepreneur set up in Bengaluru, also a visiting faculty headed the workshop. The workshop began with lecture defining Entrepreneurship, a person who takes who setup a business, taking risk in the hope of profit. The lecture also established strong characteristics that an entrepreneur should posses. The characteristics included; confidence, courage, competence, right personality, self discipline, and many more. The session also demonstrated how an entrepreneur begins with and idea to start-up to business. For ongoing business new ideas for up gradation is also essential. Ar. Sindhu also emphasizes on relationship between Innovation and Entrepreneurship. All innovation may not transform to Entrepreneurship but the entrepreneur should have some innovation to begin with. From Imagination a workable idea can be derived and from the idea a reality invention could be created for entrepreneurship. The session also introduced few key terms essential for entrepreneurship. Those are Venture, Profit, start-up, investor, task risks, launch, pitch, outsourcing, strategic alliance, capital etc.

Further, to bring comprehensive understanding about Innovation and entrepreneurship, few hands-on exercises has been conducted. Students were divided into several groups and virtual scenario has been given to propose a startup based on innovative idea. Student activity participated for the presentation and came up with innovative ideas for start-up.

The Season was effective and brought awareness in several students and faculty participants. This surely will help the final year student in defining their carrier.

Photographs from the workshop




Registrar
REVA University
Bengaluru - 560 064


Registrar
REVA University
Bengaluru - 560 064

MODERN FOOD INDUSTRIES LTD

INDUSTRIAL VISIT

The school of legal studies had organized a visit to the regional branch of **Modern Food Industries (India) Ltd** on 28th of November 2019.

Modern Food Industries (India) Ltd (MFIL) was set up in 1965 as Modern Bakeries (India) Limited situated at Kazhikundram, Taramani (Near Tidel Park). It was set up under the Colombo plan. It got its present name in 1982. MFIL had bread manufacturing units in 13 cities spread across India. MFIL had also marketed fruit juice concentrate under brand name *Rasika* in Delhi. MFIL also produced aerated soft drinks under the brand *Double Seven*. MFIL was a wholly owned Central Government-owned PSU. It was taken over by Hindustan Lever Limited in January 2000. This was the first privatisation of public sector unit by the government of India. Modern Foods had over 40% of the bread market in India.

HUL was the sole bidder for Modern Foods. It paid Rs 10.5 million, as per the valuation exercise undertaken by its valuer ICICI, for 74% of the shares. Later the government exercised its put option to sell the remaining 26% to HUL for Rs 4.4 million in November 2002. In 2006, HUL merged MFIL with itself. Senior HUL officials said the acquisition was a complete misfit with the HUL culture and systems. The company had admitted that the acquisition was a mistake on account of improper due diligence.

In 2001, HUL referred MFIL to Board of Industrial and Financial Reconstruction. Subsequently HUL decided to sell the company to Singapore based Everstone Capital. In April 2016 Modern changed hands again, this time to Everstone Capital. Today the company is called Modern Foods Enterprises Pvt. Ltd. and is 100% owned by Everstone Capital.

The students were addressed by the Hr.Manager & Production Manager of **Modern Food Industries (India) Ltd**, who shared the hierarchy of the organisation, HR policy and Production process, Quality Mgt etc, which are the most important aspects of employees and production .

The students were taken to the various departments such as production, HR and marketing department and students were given concrete exposure to the **Modern Food Industries (India) Ltd**.



Registrar
REVA University
Bengaluru - 560 064



Participative Learning


Registrar
REVA University
Bengaluru - 560 064



Dr. Bharathi.S
Director School of Legal Studies


Registrar
REVA University
Bengaluru - 560 064

Participative Learning

Report on Skill Development Program (SDP)

School: Applied Sciences, Department of Biotechnology

Venue: Azyme Biosciences Pvt Ltd., Jayanagara, Bangalore

Dates: **First batch:** 24/02/2022 -2/3/2022; **Second Batch:** 03/01/2022- 07/01/2022

Third Batch: 10/1/2022 -14/1/2022.

The Department of Biotechnology, School of Applied Sciences, REVA University has organised a Skill Development Program for the MSc. (First semester) Biotechnology program students at Azyme Biosciences Pvt Ltd., Bangalore. Students who have opted for SDP at Azyme Biosciences, are divided in to 3 batches for better hands-on training experience. Each batch had 5 day training session as listed in the below dates: **First batch: 24/02/2022 - 2/3/2022; Second Batch: 03/01/2022- 07/01/2022; Third Batch: 10/1/2022 -14/1/2022.**

Azyme Bioscience Pvt. Ltd., is an ISO 9001-2008 certified Research Laboratory intended to bridge the gap between academics and industry. They have an extensive high end instruments like HPLC, Gas chromatography, ELISA reader, BSL-2 laminar flow. Students are given hands on training on advanced molecular biology techniques such as SDS-PAGE, Western blotting, ELISA, animal cell culture, etc. Students have also been trained on Gel filtration chromatography technique, which is utilized to purify proteins in large scale for further characterization as well as for therapeutic purposes where purity requirements is necessary. Antibodies are very handy tools to detect the specific proteins in the protein samples, as well as for diagnostics purpose. Students have been trained to execute antibody based detection techniques such as Western blotting and ELISA.

During this 5 day SDP, students got an opportunity to get trained at the world class research facilities at the company. Students also got hands on training on very sensitive techniques and high end instrumentation. This training program has benefited students immensely in getting acquainted with advanced molecular biology and protein biology techniques.

Participative Learning



Registrar
REVA University
Bengaluru - 560 064

Azyme Biosciences

BA1

BATCH 2

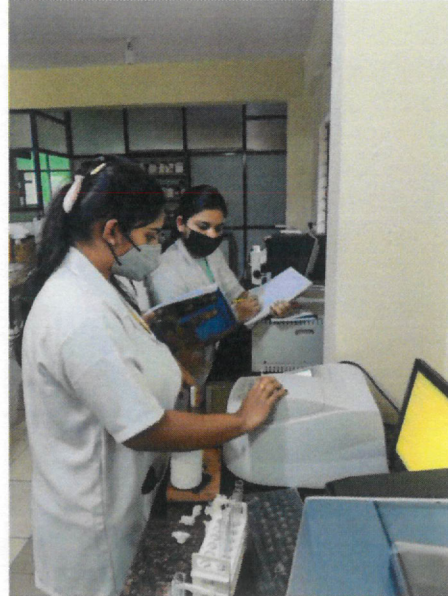
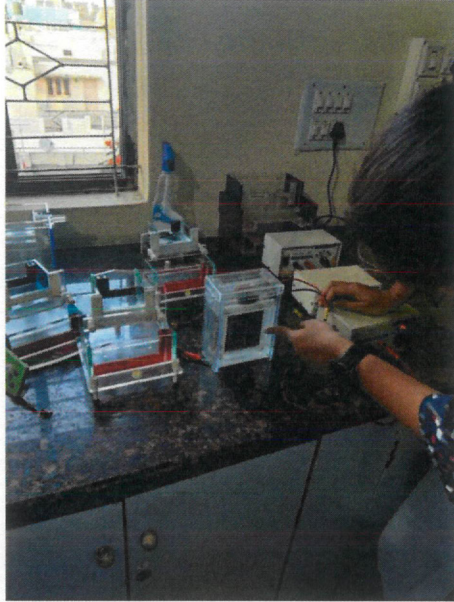
BATCH 3

Feb24- Mar2, 2022

Jan-
7th

Jan 10th-14th

Sl. No.	Name of the Student	Sl. No.	Name of the Student	Sl. No.	Name of the Student
1	ABHINANDA MISHRA	1	A KOMALA PRIYA	1	ANAGHA ACHUTHKUMAR NAIR
2	AKSHITA RAMESH	2	AISHWARYA S.R.	2	D MADHVI
3	DHRUV YADAV	3	AMRUTHA BR	3	HARSITA KUMARI
4	GADDAMADUGU SRAVATHI	4	CHAITHRA C	4	MANSI SATISH GAIKWAD
5	KONDAPU BALANJALI	5	DEEKSHITHA G REDDY	5	MEDINI BHEEMAPPA
6	M RAHAMAN SHERIFF	6	HEMANTH R A	6	MOHAMMED BIN FAISAL ALAMRI
7	NANDINI BALAMURUGAN	7	KARTHIK H R	7	NABANITA MANDAL
8	NITISH S	8	KIRAN N S	8	NAGA ALEKHYA MAMIDANNA
9	PRABHU M	9	Kusuma L	9	NOUNENUO YHOME
10	PRAGALVA MISHRA	10	LOWKESH RATNAKAR GAONKAR	10	SAISUMHITHA UMAMAHESWARARAO SIDDI
11	RAMYA C	11	MALAVIKA B	11	SANTOSHI DAYANAND PADWAL
12	REVATHI BALU	12	MOHAN K	12	SHWETA PRIYA
13	S S MAMATHA	13	NOEL JACKSON D'COSTA	13	SRAVYA MANASA TORUMALA
14	SHREYASHREE DASH	14	PRADEEP N	14	UPASANA SAHU
15	SHUBHAM GHOSH	15	SANDRA V V	15	VYSHNAVI RAJENDRA PRASAD MARTHA



Participative Learning


Registrar
REVA University
Bengaluru - 560 064

School of Civil Engineering

Date: 11-03-2022

Brief Report on Extensive Survey held at Kaiwara from 28th Feb. to 9th March 2022

Class/Department: 6th Sem. B.Tech-Civil students, School of Civil Engineering

Venue : Kaiwara, Chikkaballapur district, Bengaluru

Date : 26th February, 2022 to 9th March 2022 (12 days)

Description of event:

The extensive Survey for 6th semester B.Tech.- Civil students as skill development and part of academic program was held at Kaiwara, Chikballapur district from 26-02-22 to 9-3-22. The 320 students of 6th Sem. B.Tech.-Civil participated in the extensive Survey at Kaiwara.

Objectives of Extensive Survey:

1. Understand the practical applications of Surveying
2. Extensive use of Surveying equipment & Measurement instruments with study of CAD applications.
3. Work in teams and learn time management, communication, and presentation skills
4. Submission of Detailed Project Report (DPR)

Outcome of Extensive Survey:

1. Application of the principles of surveying, hydrology, hydraulics and irrigation in new tank project and restoration of an existing tank project, survey works related to highway project, water supply and sanitary project.
2. Study of components of new irrigation tank, restoration of existing tank, alignment of roads, water supply and sanitary aspects of residential areas by use of surveying instrument and application of CAD software in Civil engineering projects.
3. Function effectively as an individual and as a team member with emphasis of communication while conducting surveying for various project and learn presentation of surveying work done.
4. Learning of contents for Detailed Project Report (DPR) which includes New Tank Project(NTP), Old Tank Project(OTP), Highway Project, Water supply & Sanitary Project.

Extensive Survey work details at Kaiwara Camp:

The Surveying work program took off by carrying necessary surveying equipment and instruments along with students on **26th February, 2022** from REVA campus, Bengaluru to Extensive Survey camp, Kaiwara. About 15 faculty along with 4 supporting staff participated in the survey camp activity.

The students & staff were accommodated at the premises of Sree yoginareyana matt, Kaiwara. The students after their breakfast were asked to be ready to leave by 7 AM every day. The students with provision of transportation were daily taken to various project site of NTP, OTP, Highway, Water supply and Sanitary project. The students were instructed on site and at camp to carry out various surveys related to the projects.

The students after the morning session survey works were served with lunch at the site in a hygienic way. The students after the afternoon session works at the camp site, were carried back to kaiwara during evening. After their brief rest, they were served with snacks and were given instructions in a common hall regarding next day work. The students after submission of drawings/level books/ field books were served with dinner and were asked to rest for the day. The students were given detailed instructions for the preparation of Detail Project Report (DPR) of the Extensive Survey course work

After completion of the survey works by the students, the students were returned back to REVA campus, Bengaluru along with the staff on 9-3-2022.

Dr. Y Ramalinga Reddy, Director, School of Civil Engineering, REVA University encouraged the students and staff by his visits to the camp site at kaiwara.

We would like to thank our beloved Chancellor, Dr. P. Shyama Raju for providing all facilities and support to conduct this Extensive Surveying works at kaiwara. We also thank Vice-Chancellor Dr.M.Dhanamjaya, Registrar Dr.Ramesh N, Col. Nataraj Kuppasad, Director(Admin) , Mr. Lakshmanan G of REVA transportation and management of Sree Yogi Nareyana Matt, Kaiwara

Few Glimpses of Extensive Survey Project:



Staff Instructions at Field



Students doing Surveying in field

Director at Field visit


 Registrar
 REVA University
 Bengaluru - 560 064

Photo Gallery







Breakfast at 7 AM

Lunch at Field



Participative Learning


 Registrar
 REVA University
 Bengaluru - 560 064

<p><u>NTP Work</u></p> 	<p><u>OTP Work</u></p> 
<p><u>Highway Work</u></p> 	<p><u>Water Supply & Sanitary work</u></p> 
<p><u>Instructions & Drawings at Camp</u></p>	<p><u>Few Faculty of Surveying camp</u></p>

- **Camp officer and Co-ordinators**
 1. **Dr. M.A. Nagesh**
 2. **Mr. Pradeep Kumar BK**
 3. **Mr. Prashanth N**


 Registrar
 REVA University
 Bengaluru - 560 064

WEBINAR REPORT

Department of Chemistry, School of Applied Sciences, REVA University, Bangalore, organized 31st Virtual webinar entitled "Optically Stimulated Luminescence and Application" on March 7th 2022 from 11:0 AM to 12.0 PM as a part of the knowledge sharing program for the benefit of students.

Resource person: Dr. K.R. NAGABHUSHANA

Professor-Visiting, Post Graduate Program in Inter Disciplinary Health Science
Rua Carvalho de Mendonca, 144, Encruzilhada
Federal University of Sao Paulo, Santos, Brazil.
Email: nagabhushana.nkr@gmail.com

Organizer:

Prof. Mubeena A

Assistant Professor, Department of Chemistry, SoAS, REVA University, Bangalore.

Dr. K.R. NAGABHUSHANA has obtained PhD. From Bangalore University in 2004. He worked as junior research fellow (UGC) and CSIR-Senior research fellow during PhD. **Ph.D in Physics** (2009) from Bangalore University & Inter University Accelerator Centre, New Delhi **Doctor of Science (D.Sc)** in Condensed Matter **Physics** (2021) - Federal University of Sao Paulo, Brazil. **Professional experience:** 18 Years (Academic and Research). Awarded Young Scientist travel Grant for Foreign visit by Dept. of Science and Technology, Govt of India, Visited Singapore, Poland, Duabi for academic and research activities. Former Member, Executive council, Luminescence Society of India. He has published **54 publications** in peer reviewed journals, he has **foreign collaborations with** Rowan University, NJ, USA, University so on, also he is a **Reviewers for so many Journals such as** Materials Science and Engineering B: Advanced materials, Luminescence: Chemical & Biological Luminescence, so on and currently working Professor-Visiting, Post Graduate Program in Inter Disciplinary Health Science Rua Carvalho de Mendonca, 144, Encruzilhada, Federal University of Sao Paulo, Santos, Brazil.

School of Applied Sciences,
Department of Chemistry

Organises a 31st Webinar on

Optically Stimulated Luminescence and Applications



Resource Person:

Dr. H. Nagabhushana
Post Graduate Program in Inter Disciplinary Health Sciences
Rua Carvalho de Mendonca, 144, Encruzilhada
Federal University of Sao Paulo, Santos

Date : 7th March, 2022

Time : 11:00 A. M to 12:00 Noon

www.reva.edu.in

Participative Learning

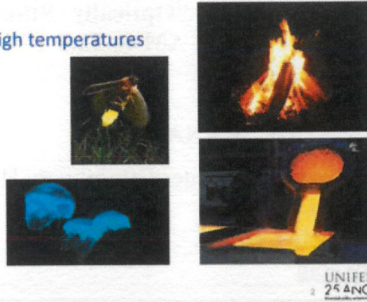
REVA University
Bengaluru - 560 064



Registrar
REVA University
Bengaluru - 560 064

Phosphors

- Materials exhibit Luminescence properties – phosphors
- What is Luminescence?**
- Light that is not generated by high temperatures
- Occurs at low temperatures



UNIFESP 25 ANOS

So and also the phyfish's that exhibit the luminescence, the

Zinc sulfide (ZnS), a natural phosphor.



Left, in room light. under UV light. UV light is off

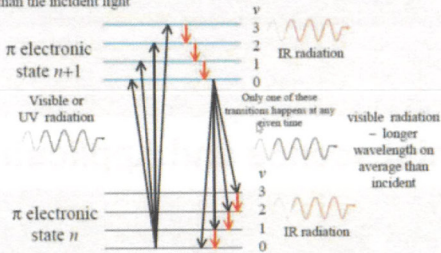
UNIFESP 25 ANOS

So here is an example. We have the zinc sulfide.

Oh when it is kept in the open

Fluorescence

- Property of some atoms or molecules to absorb light at a particular wavelength and then emit light at a longer wavelength (lower frequency) than the incident light



UNIFESP 25 ANOS

referred us.

Fluorescence and you can see

Participative Learning

Registrar
REVA University
Bengaluru - 560 064

Registrar
REVA University
Bengaluru - 560 064

Phosphorescence

- The situation where no spin flip occurs, the molecule is in a *singlet state*
- When the electron undergoes a spin-flip, a *triplet state* is created

UNIFESP 25 ANOS

Recording and transcription have started. Let everyone know they're being recorded and transcribed! Ethics policy

Chatter

Participants: N, NN, LM, AS, SR, GL, PD, VR, +62

Chat: Nagabhush... There are no...
Nagabhush... Singlet to singlet emission that

Energy band model showing the electronic transitions in a OSL material

UNIFESP 25 ANOS

Recording and transcription have started. Let everyone know they're being recorded and transcribed! Ethics policy

Chatter

Participants: N, NN, LM, SR, GL, PD, VR, +62

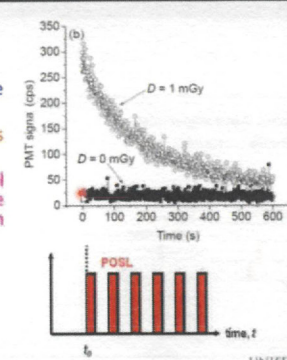
Chat: Nagabhush... happens the will undergo recombination with the whole giving rise to the emission of

Meeting in "TPO scholars and SUIT"

Recording and transcription have started. Let everyone know they're being recorded and transcribed. Privacy policy

Pulsed OSL (P-OSL)

- P - OSL is more useful in low-dose measurements.
- Use of optical filters in CW - OSL reduces the intensity.
- It is advantageous to use additional temporal discrimination between the stimulation light and the OSL emission instead of extra optical filters.



UNIFESP 25 ANOS

Nagabhush...: decay in the material so that means when you give the dose zero Millie grade then there is no OK luminescence coming

Type here to search

Meeting in "TPO scholars and SUIT"

Recording and transcription have started. Let everyone know they're being recorded and transcribed. Privacy policy



UNIFESP 25 ANOS

Nagabhush...: to monitor the natural background radiation, so we did the

Nagabhush...: Sample of the land and we keep the sample maybe some 4



Highlights of the talk

- Introduction to Luminescence phosphorescence fluorescence and energy band diagrams.
- Photo ionization cross section OSL Process CW-OSL, LM-OSL, P-OSL, and applications of OSL.
- Applications of OSL technique in dosimetry.
- Realistic model of the OSL Process.

The lecture was attended by all PG students, research scholars and faculty of chemistry REVA University and other places. A total of 103 participants attended the live webinar and the feedback given by the participants was appreciated.

We would like to thank, organizers and faculty of chemistry department. We also thank Assistant Director, Department Chemistry, Deputy Director, and management for constant support and encouragement towards academic activities of the school.

Regards

Department of Chemistry, SoAs
REVA University- Bangalore


Registrar
REVA University
Bengaluru - 560 064



REVA UNIVERSITY


Bengaluru, India

Rukmini Knowledge Park, Kattigenahalli
Yelahanka, Bengaluru - 560 064
Karnataka, India.

Ph: +91- 90211 90211, +91 80 4696 6966
E-mail: admissions@reva.edu.in

www.reva.edu.in

Follow us on

     /REVA University