

UPL UNIVERSITY  
OF  
SUSTAINABLE TECHNOLOGY



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# SCI-F.Y.I.

e- Newsletter | 2025 : Issue-6

*Dedicated  
to*

***Linus Carl Pauling***  
***Chemist and Peace activist***  
***Two unshared Nobel Prizes winner***  
(1901-1994)



SRICT- Institute of Science & Research  
UPL University of Sustainable Technology

Block No. 402, Ankleshwar-Valia Road, Ta: Valia, Dis: Bharuch-393135



July 2025 – December 2025



## **Linus Carl Pauling**

(1901-1994)

*Two unshared Nobel Prizes winner*

**Linus Carl Pauling was one of the most influential scientists of the twentieth century, renowned for his ground breaking work in chemistry and peace activism. Born on February 28, 1901, in Portland, Oregon, he made pioneering contributions to quantum chemistry and molecular biology. Pauling was among the first scientists to apply principles of quantum mechanics to the study of chemical bonding. His famous book, *The Nature of the Chemical Bond* (1939), revolutionized the understanding of molecular structure and established the concept of hybridization and electronegativity as key tools in chemistry.**

**In 1954, Pauling was awarded the Nobel Prize in Chemistry for his research into the nature of the chemical bond and the structure of complex substances. Later, he became a prominent advocate for nuclear disarmament, campaigning against atomic weapons testing. For his peace efforts, he received the Nobel Peace Prize in 1962, becoming the only person to win two unshared Nobel Prizes.**

**Pauling also contributed to the discovery of the alpha-helix structure of proteins and promoted the concept of molecular medicine. His scientific achievements and humanitarian efforts left a lasting impact on both science and global peace movements.**

### **Vision**

Inspiring young minds to learn, adapt and promote the philosophy of science education and cutting-edge research towards sustainability.

### **Mission**

- ❖ To establish a dynamic learning environment that support fundamental science education based on future demands to resolve practical problems.
- ❖ To provide theoretical and practical education to troubleshoot environmental problems and provide sustainable solutions.
- ❖ To inculcate analytical expertise, ethical values and soft skills in students to make them ready for corporate world.
- ❖ To promote strong, effective and mutually beneficial Industry-University collaboration.
- ❖ To facilitate and encourage research through temper of science leading to resolving practical problems and futuristic research.
- ❖ To serve society through innovation and excellence in science.

# About SRICT-ISR

The Department of Chemistry was established in the year of 2018 under the SRICT-Institute of Science and Research (SRICT-ISR) on the footsteps of reputed and quality education based institute SRICT. Department of Chemistry started with the Post-graduation course (M.Sc.) in Organic Chemistry. After the successful journey of decades now SRICT is a part of UPL University of Sustainable Technology.

The Chemistry Department assists the purpose of imparting knowledge in the core science subject, which is a foundational building block for most engineering disciplines. As such, high technology laboratories with the latest technological gizmos greet any students and faculty members of the college looking to strengthen their base in this subject. A team of extremely capable faculties and staff members keeping the department running in full throttle.

SRICT-ISR offers courses B.Sc. (Chemistry), B.Sc. (Microbiology), M.Sc. (Organic Chemistry) Evening and also PhD. The curriculum allows a more in-depth understanding and comprehensive knowledge base in a specific subject.

SRICT - ISR has highly qualified faculties with good number of publications in reputed journals, good laboratory facilities, and advanced classroom, canteen and transportation facilities.



# Message from Dean

It is with great pleasure that I extend my warmest greetings to all readers of 6<sup>th</sup> edition of the **SCI.-F.Y.I**, the official magazine of the **SRICT-ISR, UPL University of Sustainable Technology**. This publication serves as a vibrant reflection of our college's unwavering commitment to scientific inquiry, innovation, and academic excellence.

Science has always been the foundation of progress, driving discoveries that transform lives and shape the future. As students, faculty, and researchers, we are part of an ever-evolving world where knowledge knows no bounds. Through this magazine, we celebrate not only the achievements of our talented students and faculty but also the spirit of curiosity and exploration that defines our institution.

Within these pages, you will find insightful articles, ground breaking research, and creative expressions that showcase the brilliance of our academic community. This magazine is more than just a collection of words, it is a testament to the dedication, perseverance, and passion that fuel our pursuit of knowledge.

I encourage you to immerse yourself in the stories, ideas, and innovations shared here. May they inspire you to think critically, challenge assumptions, and contribute meaningfully to the world of science.

My heartfelt congratulations to the editorial team, contributors, and all those who have worked tirelessly to bring this magazine to life. Your efforts are invaluable in fostering a culture of learning and discovery.

Wishing you all continued success in your academic and scientific endeavors.

**Prof. Snehal Lokhandwala**

Dean (I/c), Science and Sustainability,  
UPL University of Sustainable Technology,  
Ankleshwar, Gujarat, India.



## Message from HoD

I am very much delighted to share that SRICT-ISR is publishing the sixth issue of e-newsletter "SCI-F.Y.I" of the year 2025-2026. Our SRICT-ISR is doing extremely well with regards to the infrastructure and teaching methods.

SRICT-ISR comprises a group of successful people with Ph.D. degrees as well as accomplishments in Research and Teaching. The SRICT-ISR encourages the faculty to attend seminars, workshops & conferences.

The SRICT-ISR motivates the faculty to publish papers in reputed Journals, submit project proposals to funding agencies & to enrol for Ph.D. program. The department has well qualified, experienced and dedicated faculty, who is blend of knowledge and experience.

We have a very favourable faculty-to-student ratio, which encourages close contact between students and their faculty mentors. This allows the faculty to give personalised attention to the academic progress of students.

Our courses are designed to provide students the knowledge of Industrial synthetic organic & Applied Chemistry, and also Introduce them to various experimental skills. The subject has become an essential part of the curriculum for Organic Chemistry.

### **Dr. Nikhil M. Parekh**

Head, Department of Chemistry

SRICT-ISR,

UPL University of Sustainable Technology,  
Ankleshwar, Gujarat, India.



# Team of SRICT-ISR

**Dr. Jigisha Modi**

*Ph. D., Organic Chemistry*

**Dr. Mayur Gahlout**

*Ph. D., Microbiology*

**Dr. Trupti R Patel**

*Ph. D., Physics*

**Dr. Samit Kumar**

*Ph. D., Organic Chemistry*

**Dr. Mehulkumar L. Savaliya**

*Ph. D. Bioenergy*

**Dr. Sandip De**

*Ph. D. Chemistry*

**Dr. Suryajitsinh Rathod**

*Ph. D., CSIR- NET*

**Dr. Prakash Majee**

*Ph. D., CSIR- NET*

**Dr. Raviprakash S. Chandra**

*M. Phil., Ph. D.*

**Dr. Prashant Arya**

*Ph. D., ICAR-NET, CET*

**Dr. Mayur Patel**

*Ph. D., Organic Chemistry*

**Dr. Monak Patel**

*Ph. D., Organic Chemistry*

**Dr. Nilam Patel**

*Ph. D., Organic Chemistry*

**Ms. Soumya Yadav**

*M. Sc. Microbiology,*

*ICAR-NET*

**Dr. Hitendra Mali**

*Ph. D., Organic Chemistry*

**Mr. Shivamsinh Kesrola**

*Asst. Prof. on Adhoc*

**Ms. Nikita Rathod**

*Asst. Prof. on Adhoc*

**Ms. Mittal Panchal**

*Asst. Prof. on Adhoc*

**Ms. Dipika Matroja**

*Asst. Prof. on Adhoc*

**Ms. Yesha Rathod**

*Asst. Prof. on Adhoc*

**Ms. Riddhi Vashi**

*Asst. Prof. on Adhoc*

**Mr. Dinesh Parmar**

*ITI Electronics*

**Ms. Dipikaben Vasava**

*M. Sc. Chemistry*

*Laboratory Assistant*

**Ms. Isha Mevada**

*M. Sc. Chemistry*

*Laboratory Assistant*

**Ms. Nisha Atodariya**

*M. Sc. Chemistry*

*Laboratory Assistant*

**Ms. Sneha Tank**

*M. Sc. Microbiology*

*Laboratory Assistant*

**Ms. Bhumika Karmur**

*M. Sc. Microbiology*

*Laboratory Assistan*

# Message of Editorial Team

As the editors, our goal is to nurture a platform where ideas flourish, voices are heard, and stories come to life. This newsletter is more than just words on paper; it embodies our shared creativity and intellectual spirit. Every article, design choice, and collaborative effort interweaves to create a rich and dynamic reflection of our college journey.

In this magazine, you will find narratives that inspire, artwork that captivates, and opinions that challenge. It is a platform where we celebrate achievements, reflect on challenges, and embrace the myriad hues of our shared journey through academia.

We invite you to immerse yourself in the stories within this newsletter, exploring the thoughts and dreams of your peers. Let this magazine be a catalyst for conversations—one that sparks connections and fosters understanding. Together, let us continue to shape this newsletter into a reservoir of ideas, a reflection of our collective intellect, and a source of inspiration for generations to come.

Thank you for being a part of this incredible journey. We look forward to witnessing the continued growth and creativity that will undoubtedly flow through the pages of this magazine.

## Faculty Team



**Dr. Raviprakash S. Chandra**  
*Assistant Professor*  
*M. Sc., M. Phil., Ph. D.*



**Dr. Suryajitsinh Rathod**  
*Assistant Professor*  
*M. Sc., Ph. D., NET*

## Students Team



**Nirmal Kher**  
*M.Sc. Semester-IV*



**Bhatt Het**  
*M.Sc. Semester-IV*

# Academic Activities



# “Expert talk on Microbial Fermentation and its Scope”

SRICT-ISR, UPL University of Sustainable Technology, organized an expert talk for Microbiology students of B.Sc. semester 1, 3, 5 and M.Sc. semester 1 on the topic “Microbial Fermentation and Its Scope” on 18th August 2025. The session was delivered by Ms. Archana Tripathi, Scientist (Manager and Head of Microbial Fermentation) at Zydus Lifesciences, Sanand, Ahmedabad.

The session further explored the fermentation process, including microbial growth phases, selection of microorganisms, substrates, and the role of environmental factors such as pH, temperature, and oxygen availability. Ms. Tripathi also discussed various applications of microbial fermentation, ranging from the production of antibiotics, enzymes, and vitamins to probiotics, beverages, and industrial biochemicals.

The screenshot shows a Zoom meeting interface. On the left, a presentation slide titled "WHAT IS A FERMENTOR ?" is displayed. The slide contains the following text:

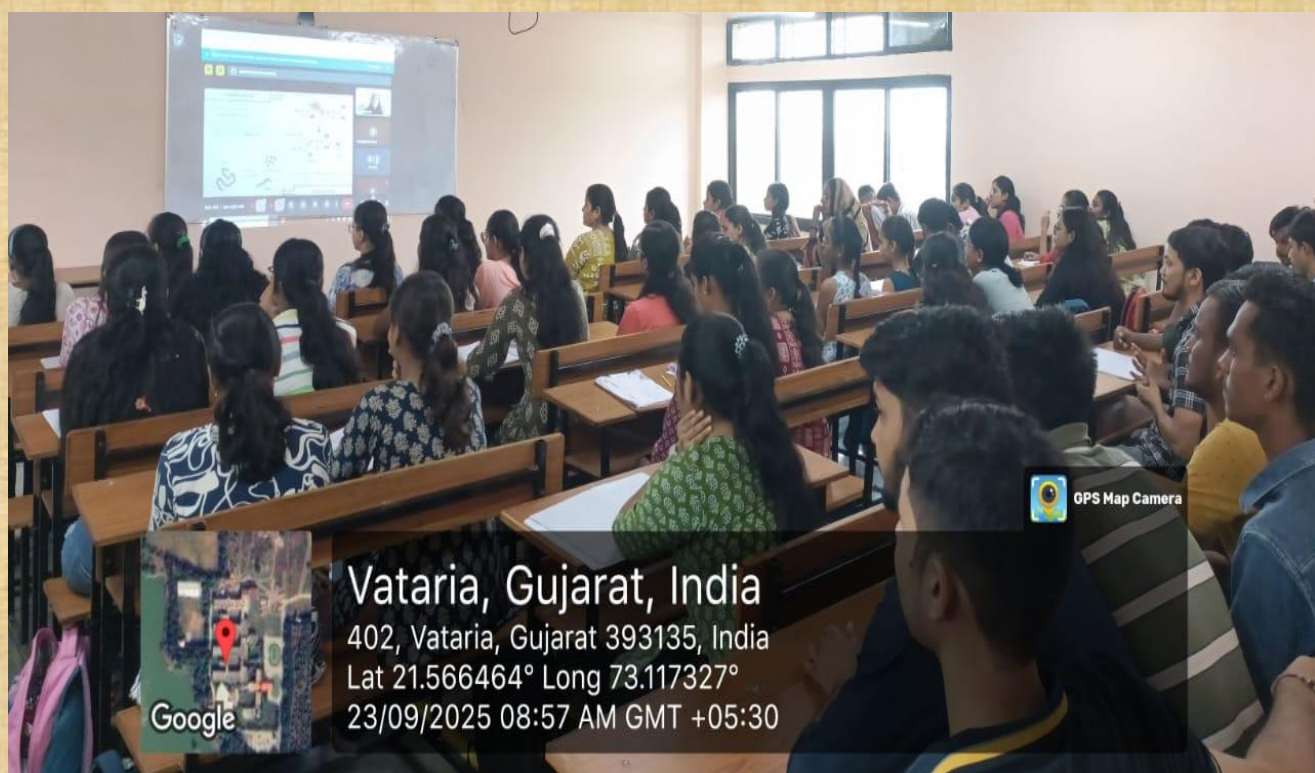
- ▶ **Fermenter** - As per Webster's dictionary the word 'fermenter' (*fer-men-ter*) means 'an organism that causes fermentation'.
- ▶ **Fermentor** - The term 'fermentor' (*fer-men-tor*) means 'an apparatus for carrying out fermentation'.
- ▶ Our Intestine also acts as a fermentor, due to the presence of a complex microbial community.
- ▶ This microbiota ferments undigested dietary components, producing short-chain fatty acids (SCFAs), like acetate, propionate and butyrate which have various beneficial effects on the host.

On the right side of the screen, there is a grid of video thumbnails for participants. The top thumbnail shows Ms. Archana Tripathi, who is presenting. Below her are four other participants: Prashant A., Suryajitsinhji Rathod, Prashant Arya, and Nikita Rathod. The bottom of the screen shows the Zoom control bar with various icons for mute, video, chat, and other functions.

## **“Expert talk on Biomolecules: Protein”**

The Department of Chemistry, SRICT-ISR, UPL University of Sustainable Technology, organized an expert talk for Chemistry and Microbiology students of B.Sc. semester 1, 3, 5 and M.Sc. semester 1, 3 on the topic “Biomolecules: Protein” on 23rd September 2025. The session was delivered by Dr. Siddhi S. Panchal, Scientific Officer, GMDC Scientific Research Center, Gandhinagar, through live telecast in classrooms CR 35 to 43.

Dr. Panchal began her session by explaining the essentials of proteins and their vital role in biological systems. She highlighted how proteins function as structural components, enzymes, hormones, and antibodies, thus making them indispensable for life. Moving further, she emphasized the daily life requirement of proteins, underlining their role in maintaining growth, repair, and overall health.



## **“Expert talk Bioremediation”**

The Department of Chemistry, UPL University of Sustainable Technology, organized an expert talk for Chemistry and Microbiology students of B.Sc. semester 1, 3, 5 and M.Sc. semester 1, 3 on the topic “Bioremediation” on 23rd September 2025. The session was delivered by Dr. Shweta Thakar, Postdoctoral Research Associate, ICMR–Centre for Advanced Research in Aging, through live telecast in classrooms CR 35 to 43.

Dr. Thakar introduced the concept of bioremediation, explaining its scientific basis and how microorganisms and biological agents are utilized to detoxify and restore polluted environments. She highlighted why bioremediation is important, stressing its role in sustainable environmental management, pollution control, and safeguarding ecosystems for future generations.



Vataria, Gujarat, India

402, Vataria, Gujarat 393135, India

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23/09/2025 03:55 PM GMT +05:30

Google

GPS Map Camera

## “1-2-1 Meeting with students”

Dean Science and Sustainability, UPL University with HoD, Chemistry Department are meeting SRICT-ISR students in a one-to-one meeting with the purpose to motivate students to improve their overall academic performance. Students were encouraged to participate in various activities, upgrade their skills and work hard for the upcoming University exam. Academic performance, non-academic activities, facilities and difficulties that a student might face in the campus were discussed in the meeting. Students were motivated to improve their academic performance and more participation in other co-curricular activities.



# External Academic Audit for AY- 2023-24 & AY-2024-25

The UPL University of Sustainable Technology, Ankleshwar has conducted External Academic Audit of SRICT-ISR, Department of Chemistry for AY-2023-24 & AY-2024-25 on 23<sup>rd</sup> December, 2025 to systematically evaluate and enhance the quality of teaching–learning processes, curriculum delivery, assessment methods, and academic governance within an institution, as part of its ongoing commitment to academic excellence, quality assurance, and continuous improvement.

In order to ensure smooth preparation of the audit including, proactively identify and address compliance gaps, procedural weaknesses, and potential errors before a formal audit, a pre audit has been conducted on 9<sup>th</sup> December, 2025.



## **“Slow learner Classes”**

**Slow learner classes play an important role in supporting students who need extra time and guidance to understand their lessons. These classes provide individual attention and use simple teaching methods so that students can learn comfortably at their own pace. This helps them understand concepts clearly without feeling pressure or fear. Teachers use easy explanations, regular practice, and interactive activities to improve students’ understanding and memory. The classroom environment is friendly and stress-free, which encourages students to ask questions and clear their doubts. This gradually builds their confidence and improves their academic performance. These classes also focus on motivating students and supporting their emotional well-being. By giving continuous encouragement and recognizing each student’s strengths, teachers help them overcome learning difficulties. Overall, slow learner classes help students grow steadily, become more confident, and achieve success in both their studies and personal development.**



# “Industrial Visits”

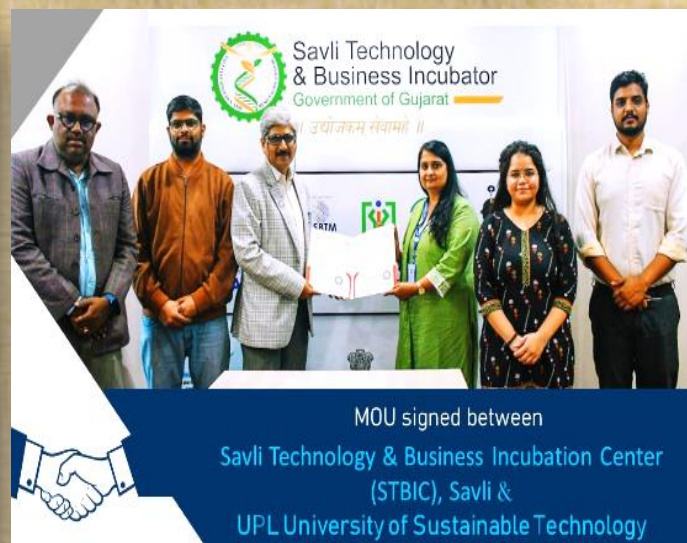
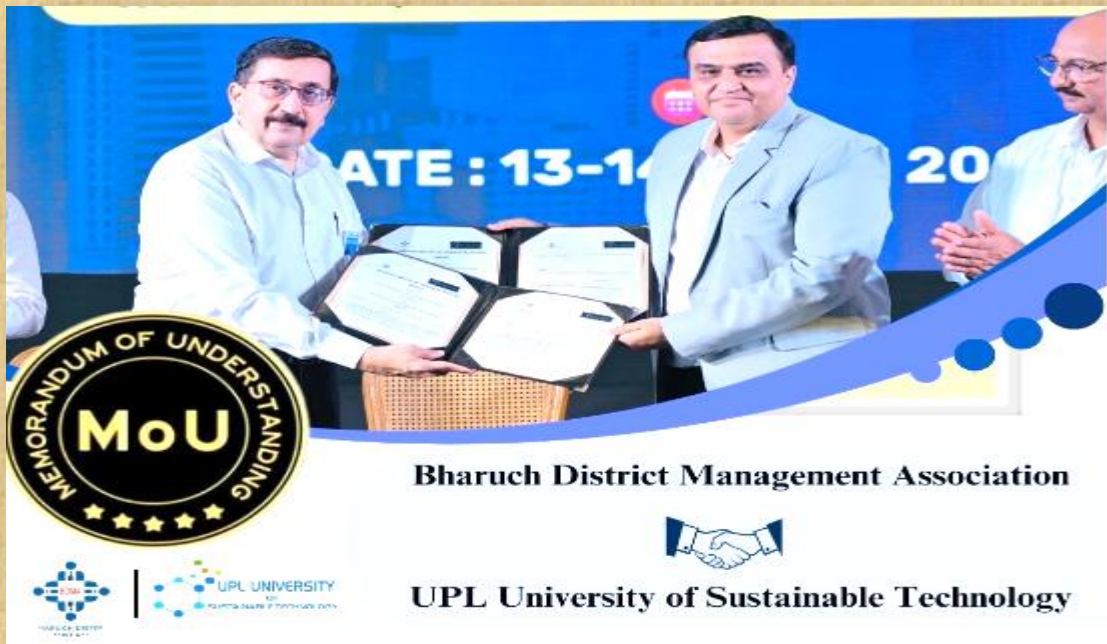
Industry visits are crucial for university students as they bridge the gap between theoretical learning and real-world applications. These visits provide hands-on exposure to industry practices, helping students understand workplace dynamics, technologies, and professional expectations. By interacting with industry experts, students gain insights into current market trends, innovations, and career opportunities. Industry visits also enhance practical knowledge, improve problem-solving skills, and inspire innovation by exposing students to real challenges faced by businesses. SRICT-ISR students visited below listed Industries.

<b>ETL, Ankleshwar</b>
<b>Reine Lifescience, Ankleshwar</b>
<b>Cubic Analytical solution, Ankleshwar</b>
<b>Chemcrux Enterprises Ltd.</b>
<b>Jayshree Aromatics Ltd.</b>
<b>Borosil renewables Ltd.</b>
<b>BEIL Ltd. Ankleshwar</b>
<b>JB Pharma, Ankleshwar</b>
<b>Alkem Laboratories, Jhagadiya</b>
<b>Zentiva, Ankleshwar</b>
<b>GBRC , Gandhinagar</b>
<b>Ganesh Remedies Ltd.</b>
<b>Zyodus, Ankleshwar</b>
<b>Jai Research Foundation</b>
<b>KLJ Organic</b>
<b>Ganesh Sugar Factory</b>
<b>Anupam Rasayan Limited</b>
<b>Eskay Iodine, Jhagadiya</b>
<b>UPL Unit 1, Ankleshwar</b>
<b>UPL Unit-5, Jhagadiya</b>
<b>UPL Unit-2, Ankleshwar</b>
<b>UPL Unit-3, Ankleshwar</b>



# “MoUs with external parties”

Industry visits play an important role in the academic journey of university students, as they connect classroom learning with practical, real-world experience. Such visits offer valuable exposure to industrial operations, workplace culture, modern technologies, and professional standards. By observing processes firsthand and interacting with industry professionals, students gain a better understanding of current market trends, innovations, and potential career paths. These experiences strengthen practical knowledge, enhance analytical and problem-solving abilities, and encourage innovative thinking by introducing students to real business challenges. Industry visits also help students develop confidence and clarity about their future goals. The students of SRICT-ISR had the opportunity to visit the industries listed below, gaining meaningful insights and practical exposure through these educational experiences.



# “3<sup>rd</sup> Convocation”



UPL University of Sustainable Technology celebrated its 3<sup>rd</sup> Convocation on Friday, 7th November 2025. In this program **Padma Bhushan Prof. J.B Joshi, Chancellor, ICT, Mumbai**, was the Chief Guest. Shri Arvind Agarwal, retired IAS, was the guest of honor.

On this auspicious occasion UPL University Chairman Emeritus Mrs. Sandra Shroff, UPL University President Mr. Ashok Panjwani, Trustees, Governing Body Members, Board of Management Members, Academic Council Members, Rotary Club of Ankleshwar Members, Provost Prof. Shrikant Wagh, Registrar Mr. Dharmesh Patel, Controller of Examination Dr. Purvi Naik, Deans, representatives of various industries, university officials, faculty, staff and students and their parents were present.

635 students of Master of Engineering, Master of Science, Bachelor of Engineering, Bachelor of Science, Diploma, Post Graduate Diploma were awarded in the convocation ceremony.

Moreover, 20 students who performed exceptionally well in the program were honored with gold medals. The chief guest on this occasion Prof. J.B Joshi, Guest of Honor Mr. Arvind Agarwal – also present on the dais, Mrs. Sandra Shroff, Mr. Ashok Panjwani congratulated all the graduating students for their success.

# Research Activities



# “Research Projects”

## “Ongoing”

**Dr. Raviprakash Chandra**, Assistant Professor, Chemistry Department, SRICT-ISR, UPL University of Sustainable Technology is working with team on Solar recycling Project.



**Dr. Prakash Majee**, Assistant Professor, Chemistry Department, SRICT-ISR, UPL University of Sustainable is working with team on Electrochemical oxidation of waste water Project for ETL, Ankleshwar.



**Dr. Sandip Kumar De**, Assistant Professor, Chemistry Department, SRICT-ISR, UPL University of Sustainable is working with team on Palladium Extraction from waste water for Gujarat Gurdian, Ankleshwar and E waste recycle and reuse including Lithium ion batteries for BEIL, ankleshwar.



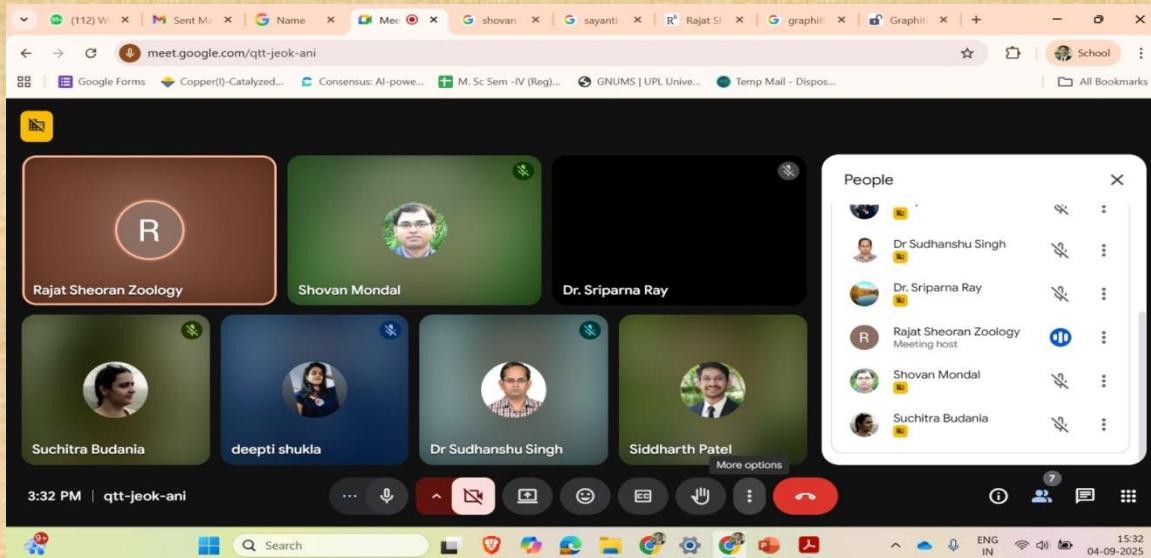
# Faculty Achievements



# “Faculty Achievements”

## Expert lecture delivered

Dr. Siddharth Patel successfully delivered an invited talk on " Graphitic Carbon Nitride as a heterogeneous catalyst for organic synthesis" at the prestigious "International Conference on Green Technologies, Environment and Drug Discovery (ICGTEDD-2025)" organized by Akal University, Punjab.



Dr. Mehul has participated many online conferences and programs.



# “Faculty Achievements”

Dr. Mehul Savaliya also reviewed many Research Articles and one book chapter for well-known Journals .

**Call for Book Chapters/Research Papers for Edited Book**  
To be published with ISBN under IIP International Publishers, USA & India

## Contemporary Organic Chemistry: Synthesis, Mechanisms, and Functional Applications



### Series Editors



**Dr. Mehulkumar L. Savaliya**  
Ph.D  
Assistant Professor  
Department of Chemistry  
Institute of Science & Research, UPL University of Sustainable Technology  
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Editorship Id IIPER1655362396



**Dr. Tushar Anil Shinde**  
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**Dr. Ravinder Dharavath**  
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Assistant Professor  
Department of Chemistry  
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University (A Central University)  
Tehri Garhwal  
Editorship Id IIPER1675876029



**Mr. Shivanand Kolageri**  
Masters PG  
Assistant Professor  
Department of Pharmaceutical Chemistry  
BLDEA's SSM College of Pharmacy and  
Research Centre Vijayapura  
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**Edited Book Series ID:**  
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**Imprint IIP**  
Registered publisher under Raja Rammohun Roy Agency,  
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**DOI Prefix:** 10.58532

**Important dates:**  
Paper submission portal opens from 1<sup>st</sup> December 2025  
Last date for chapter-submission: 10<sup>th</sup> January 2026  
Last date for resubmission/extended submission: 20<sup>th</sup> January 2026  
Review status notification: within 31<sup>st</sup> January 2026  
(Parallel Process)  
Final acceptance notification: within 31<sup>st</sup> January 2026  
Last date for registration: 10<sup>th</sup> February 2026

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### Certificate of Excellence in Peer-Reviewing

awarded to

**Dr. Mehulkumar L. Savaliya**

UPL University of Sustainable Technology, Ankleshwar, India

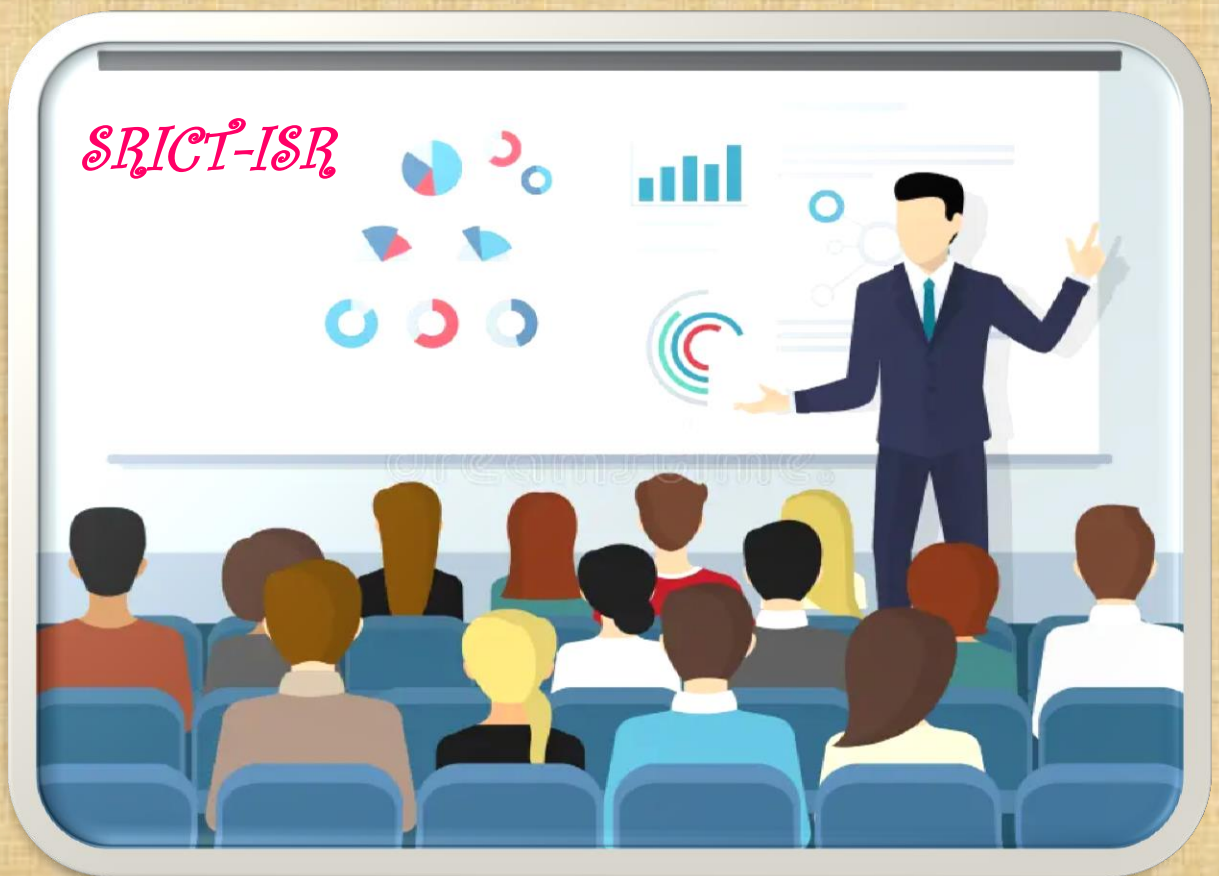
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**Dr. M. Basu**  
Chief Managing Editor

# FDP/Seminar/Conference



# “Expert talk on Transformation of Career”

The Department of Chemistry, UPL University of Sustainable Technology, organized an expert talk exclusively for M.Sc. Chemistry students on the topic “Transformation of Career” on 22nd July 2025, from 02:00 PM to 04:00 PM at Seminar Hall 1.

The session was conducted by Mr. Tushar Chauhan, HR Head, UPL Unit-13, who shared his vast industrial experience and provided valuable insights on aligning academic knowledge with industry expectations.



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22/07/2025 02:05 PM GMT +05:30

## Expert Talk “Transformation of Career”

Expert: **Mr. Tushar Chauhan**,  
HR Head, UPL Unit-13,  
Dahej, Bharuch,  
Gujarat



### SEMINAR HIGHLIGHTS:

- Expert Speaker
- Industry Skill Insights
- Skill Development
- Student Interaction & Q&A

**Organized by:**  
Department of Chemistry  
SRICT—Institute of Science and Research  
UPL University of Sustainable Technology

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## **“Expert talk on Significance of Good Practices and Values in Life”**

**UPL University of Sustainable Technology, organized an expert talk exclusively for M.Sc. I Chemistry students on the topic “Significance of Good Practices and Values in Life” on 16th September 2025. The session was delivered by Shri Pradip Mahajan, Chairman of Gopadma Federation.**

**Shri Mahajan emphasized the importance of developing good practices and habits among budding students, underlining how consistency and discipline form the foundation of personal and professional growth. He also highlighted the role of values and morals in shaping character, guiding students to live responsibly and contribute positively to society.**

**The session focused on nurturing ethical behavior, self-confidence, and integrity, while discouraging negative influences.**



# “Expert talk on Handling of Hazardous Chemicals and Laboratory Safety”

The Department of Chemistry, UPL University of Sustainable Technology, organized an expert talk exclusively for M.Sc. students on the topic “Handling of Hazardous Chemicals and Laboratory Safety” on 30th July 2025, from 11:30 AM to 01:00 PM at Seminar Hall 3.

The session was conducted by Dr. Tushar Amar Algiwale, Process Development Lab, Hikal Limited, Panoli, who brought in-depth industrial experience and shared essential practices for ensuring safety while handling hazardous chemicals in laboratory settings.

The expert talk was coordinated by Dr. Suryajitsinhji Rathod, who ensured the smooth execution of the event and active student participation throughout the session.



*Expert talk on*

**HANDLING OF HAZARD  
CHEMICALS AND  
LABORATORY  
SAFETY**

**Expert:** Dr. Tushar Amar Algiwale,  
Process Development Lab,  
Hikal Limited, Panoli



Wednesday, 30 July 2025



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# Two-Day Training Program on “Quantitative Modeling and Statistical Analysis to Enhance Efficiency of Scientific Systems.”

The Department of Microbiology, SRICT-ISR, UUST successfully conducted a Two-Day Training Program on “Quantitative Modeling and Statistical Analysis to Enhance Efficiency of Scientific Systems.”

The program saw enthusiastic participation from nearly 50+ participants, reflecting strong interest in advanced statistical tools for scientific research.

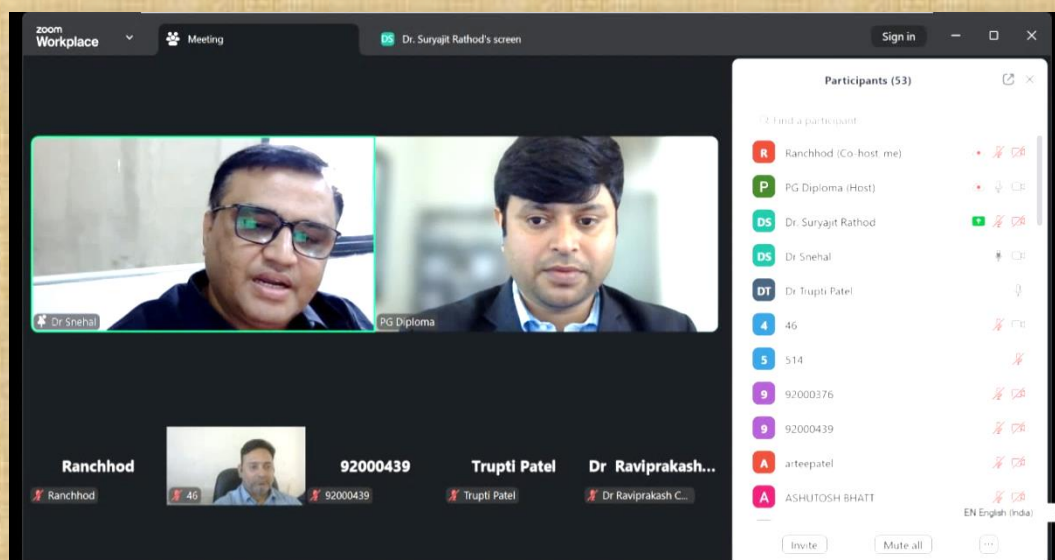
An expert session on Plackett–Burman Design by Dr. Hiren Prajapati offered strong theoretical foundations along with practical insights, making the session highly interactive and impactful.

Another expert, Dr. Rupak Roy, delivered an insightful session on advanced optimization techniques, including Response Surface Methodology (RSM) and Box–Behnken Design, complemented by hands-on demonstrations using Design-Expert software.



# One-Day Online Training Program on “Scientific Writing, Research Productivity Tools & AI-Enhanced Research Practices

The Department of Chemistry, SRICT-ISR, UPL University of Sustainable Technology (UUST), successfully organized a One-Day Online Training Program on “Scientific Writing, Research Productivity Tools & AI-Enhanced Research Practices” on 20th December, 2025. The program featured expert sessions by Dr. Koustav Dey (USA), Dr. Avinash Pandey (NFSU, Dharwad), Dr. Ranjitsinh Dabhi (PDS, Ahmedabad), Mr. Dhananjay Chauhan (UUST), and Dr. Prakash Majee (UUST), covering research publication skills, AI in research, ChemDraw, Excel, and OriginPro. Over 60 participants from various organizations attended the event, gaining valuable insights for preparing research articles, OJT reports, projects. The interactive sessions received positive feedback from students and researchers.



The image shows a ChemDraw software interface. At the top, it says "EN English (India)". The main content is a "ChemDraw Shortcuts Cheat Sheet" located in "Help > Shortcuts Cheat Sheet Menu". The cheat sheet lists various shortcuts for actions like "2-Click to select", "2-Click on Arrow selects reaction", "Horizontal alignment", and "Vertical alignment". It also includes a list of reagents and conditions for reactions, such as "H2SO4 (cat.)", "H2SO4 (cat.)", and "H2SO4 (cat.)". A video thumbnail of "Dr. Ranjitsinh Dabhi" is visible in the bottom right corner. The name "Ranchhod" is also visible at the bottom of the interface.

# “FDP/Seminar/Conference Organized”

## “Happy Minds” Session

On 12<sup>th</sup> September 2025, the Department of Chemistry at SRICT-ISR successfully organized an engaging and insightful session on Happy Mind by Mr. Manoj Patel, Vice President, BEIL Infrastructure Ltd., Bharuch.

The session emphasized the importance of mental well-being, positive thinking, and stress management for leading a balanced life.

Students of B.Sc. and M.Sc. programs actively participated and gained valuable perspectives on maintaining a healthy mindset along with their academic journey.

Mr. Patel shared practical tips and real-life experiences that inspired students to focus on personal growth, happiness, and resilience.

The event was truly enriching and left a lasting impact on everyone present.



**“Happy Minds” Session**  
By: Mr. Manoj Patel  
Vice President, BEIL Infrastructure,  
Bharuch

**“A happy mind  
creates the energy  
to achieve  
extraordinary  
goals.”**

 Friday September 12 2025

 12.30 PM

# Co-curricular Activities



# Drawing Competition on “The Space Science and Exploration”

The SRICT – Institute of Science & Research has organized a drawing competition on the theme: “The Space Science and Exploration” fostering creativity and sparking interest in space-related fields on 28<sup>th</sup> July, 2025. Students expected to develop their artistic skills and learn about space through research and visual representation. The competition would raise awareness about space missions, like Chandrayaan-3, and inspire the next generation of scientists and explorers.



# Drawing Competition on “The Space Science and Exploration”

The SRICT – Institute of Science & Research has organized a Poem Recitation Competition to celebrate the invaluable contribution of our teachers on 3<sup>rd</sup> September 2025. This activity aims to encourage students to express their gratitude, respect and admiration towards teachers through the art of poetry.



# Teachers Day Celebration

The Department of Chemistry, SRICT-ISR at UPL University of Sustainable Technology proudly celebrated Teachers' Day with great enthusiasm and gratitude. The event was organized to honor the dedication, commitment, and invaluable contributions of faculty members in shaping the future of students.

The celebration began with a warm welcome address highlighting the importance of teachers in academic and personal growth. Students expressed their appreciation through speeches, cultural performances, and heartfelt messages, acknowledging the constant guidance and mentorship provided by their professors. Special moments included felicitation of faculty members as a token of respect and gratitude.

The program reflected the strong bond between teachers and students within the department. It was a memorable occasion filled with joy, appreciation, and inspiration. The celebration reaffirmed the department's commitment to academic excellence and the vital role teachers play in nurturing knowledge, innovation, and character among aspiring chemists.





# Photo Story Contest – Travel Blog Competition

The SRICT – Institute of Science & Research has organized a Photo Story Contest in the form of a Travel Blog Competition to celebrate World Tourism Day on 24<sup>th</sup> September 2025. The purpose of this contest is to encourage students to express their creativity through words and photographs while celebrating the spirit of travel and exploration.

### Devotion in Every Preparation

The preparations began on January 16 with a simple thought: "Let's celebrate this moment together." We started collecting contributions, and within days, dozens of villages came forward to support us!

One of the biggest highlights was the preparation of 121 kilograms of **Bhandi Indras** as prasada. On the morning of January 22, we held a grand puja, and after the rituals, the prasada was carefully packed and distributed to every household in the village.

*"I still remember a little boy smiling as he held the prasada packet and whispered to his mother, 'Raan Mandir has gay!' That innocent joy was the purest expression of devotion."*

### A Day When Faith Triumphed Over Business

The celebration wasn't limited to the temple. In the busy Makarajika area, where 80 to 90 shops are usually open, something extraordinary happened. Every shop owner **voluntarily shut down their business for the day** and joined the program. It was a rare sight – traders prioritizing faith and unity over earnings.







### Travelling Vlog

Hey guys, welcome back to my vlog!

This trip was honestly a mix of peace, adventure, and wild fun.

- Started off exploring some beautiful beaches – the view there was so amazing, and the water was perfect for swimming.
- After that, I headed to a hot spring. The hot springs, mineral water, and the beautiful view were just what I needed.
- Then I visited the historical site of Mahakal. Honestly, nothing beats seeing the old architecture and just enjoying the moment.
- But the real crown jewel of my trip was the Dangdara Army Attachment Camp. Watching the soldiers train and live with such discipline really inspired me – it was a beautiful contrast from the usual tourist spots.
- Of course, no trip is complete without some adventure, so I went to see a waterfall. The sound of water crashing down was so refreshing – it felt like a blessing.
- And finally, I made it to Mount Abu. Rajasthan's only hot spring. From being here, you can see the most beautiful views of the Aravalli Range.
- The trip had everything – natural sites, cultural beauty, and even a touch of adventure. Can't wait to share more with you guys in the next vlog!






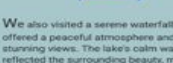
### dangdara army attachment camp

### WELCOME TO MY BLOG

If I take you on a journey to some of the most breathtaking tourist places, some hot springs, picturesque lakes, and exciting MCC camps. Get ready to explore the beauty of nature and the discipline of MCC training!

We visited some of the most stunning temples of Lord Shiva in the Dangdara (Jharkhand) – each with its unique architecture and history. From the remote jungles to the vibrant festivals, every experience was a spiritual and enlightening journey.

### LAKE VIEW & GIRA WATERFALL (GUJARAT)







We also visited a serene waterfall that offered a peaceful atmosphere and stunning views. The lake's calm waters reflected the surrounding beauty, making it a perfect spot for relaxation and boating with lots of fun.

### Stambheshwar Mahadev Temple, also known as Kavi Kantho Temple, is a unique Shiva temple located in the village of Kavi Kantho, Jambhwar taluka, Bhavnagar district, Gujarat, India. The temple is situated on the bay of Cambay and the shores of the Arabian Sea, and it is renowned for its unique phenomenon of disappearing into the sea twice a day.

### History

It is believed that King, the son of Lord Shiva, killed the demon Tarakasura and established a Shivaling at the spot where he killed the demon. The temple is also mentioned in the Skanda Purana, which refers to a pillar called 'Vidvatsamudra'. Skandh set up by the Devas at the Mahi Sagar Nanganam Tarak Kotha.

### Stambheshwar Mahadev Mandir

### Travelling vlog

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- The trip had everything – natural sites, cultural beauty, and even a touch of adventure. Can't wait to share more with you guys in the next vlog!

### PAVAGADH

"Hey everyone, welcome back to my channel! Today I'm taking you on an exciting trip to Pavagadh, one of Gujarat's most famous travel spots known for its ancient temples, natural beauty, and UNESCO World Heritage site, Champaner."

As we get closer, you can see the majestic Pavagadh hill rising high. Fun fact – this hill is actually a part of an extinct volcano, which makes it millions of years old!


"There are two ways to reach the top either trek all the way up through the scenic steps or take the ropeway ride, which gives you an amazing bird's-eye view of the forests and valleys. I chose the ropeway today and trust me, it feels like flying above the green jungle."

"At the top is the famous Mahakal Mata Temple, one of the Shakti Peeths of India. Devotees from all over the world come here to take blessings. The view here is super energetic, bells ringing, chants filling the air, and a cool breeze after the climb."

"And at the base of Pavagadh lies the Champaner, a historic city built in the 15th century by a ruler of the Solanki dynasty. The ruins here are a UNESCO World Heritage site and a must-visit for anyone interested in ancient Indian architecture."

"Whether you're a history buff, a nature lover, or just someone who enjoys scenic views, Pavagadh has something for everyone. The view from the top is truly breathtaking, and the peaceful atmosphere is just what you need to unwind after a long day of exploring."

"Thanks for joining me on this journey to Pavagadh. If you loved this vlog, don't forget to like, share, and subscribe for more travel vlogs. See you in the next one!"



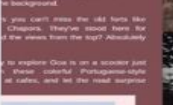





### Mahakaleshwar (Ujjain)







Hey guys, welcome back! Today I'm in Ujjain for World Tourism Day. The atmosphere is so vibrant, and the energy is contagious. We're celebrating the spirit of travel and exploration, and it's so exciting to be here with everyone.

And of course, moments in Ujjain – magical. Every evening, the sky turns into a painting you'll never forget.

So whether you're here to party, relax, or share moments, Ujjain will always leave your heart. See you in the next vlog!

### Mahakaleshwar (Ujjain)

The Maha Kumbh Mela 2025 was a major Hindu pilgrimage held in Prayagraj from January 13 to February 26, 2025, attracting millions for religious holy baths at the Triveni Sangam. Rooted in Hindu mythology, the event is the world's largest public gathering for faith and aims to cleanse sins and attain spiritual liberation. The 2025 event featured spiritual traditions, cultural showcases, and significant healthcare, safety, and environmental conservation efforts.

# Celebration on “World Heart Day-2025”

The Science Club of SRICT – Institute of Science & Research, UPL University organized an awareness activity on the occasion of “World Heart Day – 2025”. As part of the event, students prepared and delivered presentations highlighting the importance of heart health, the structure and function of the human heart, common cardiovascular diseases, preventive strategies, and lifestyle practices for maintaining a healthy heart. The activity aimed to spread awareness about cardiovascular well-being, promote healthy lifestyle choices, and encourage active student participation. A total of 31 students enthusiastically took part in the celebration by presenting informative and creative content on the theme. Participation certificates were awarded to all attendees and participants in appreciation of their efforts. The event served as an insightful platform for students to enhance their knowledge, communication, and presentation skills while spreading the vital message of heart health. It not only enriched the academic environment but also emphasized the importance of adopting a healthy lifestyle for long-term well-being



GPS Map Camera



**Bharuch, Gujarat, India**

H47j+fpg, Bharuch, Gujarat 393135, India

Lat 21.564369° Long 73.132932°

29/09/2025 01:06 PM GMT +05:30

# National Chemistry Day 2025 Celebration

☑ ☑ The Science Club of SRICT – Institute of Science & Research, UPL University, joyfully celebrated National Chemistry Day – 2025 with a vibrant series of student-centric activities. From poster preparation and elocution to scientific essay writing. The event saw enthusiastic participation from both UG and PG students, sparking curiosity and highlighting the role of chemistry in everyday life. These competitions provided a platform for students to express, explore, and excel, encouraging creativity and deeper engagement with science. All participants were awarded certificates ☑ as a token of appreciation.



Celebration of  
National Chemistry Day



Thursday  
7 August, 2025

The Science Club of SRICT – Institute of Science & Research, UUST successfully organized a series of engaging activities to celebrate “National Chemistry Day – 2025.

“Celebrating the spirit of chemistry – where curiosity meets creativity and knowledge inspires action.”

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# Vibrant Navratri Celebration "Aadishakti'25"

UPL University of Sustainable Technology came alive with vibrant colors and festive spirit during the one-day Navratri and Garba celebration, "Aadishakti'25," held on 26th September 2025. The campus was filled with excitement as students, faculty, and staff gathered in large numbers to take part in the joyous occasion.

The celebration began with a traditional prayer dedicated to Goddess Aadishakti, seeking her blessings for knowledge, prosperity, and well-being. The peaceful and spiritual start soon transformed into a lively celebration as the rhythmic beats of music echoed across the campus. Dressed in beautiful traditional attire, participants enthusiastically performed Garba, creating a mesmerizing and energetic atmosphere.

The event beautifully reflected the rich cultural heritage of Navratri while strengthening unity and togetherness within the university community. "Aadishakti'25" was truly a memorable celebration filled with devotion, joy, and cultural pride.



# “Celebration of Sports ”

On 19th August 2025, the Sports Club of SRICT-ISR, UPL University of Sustainable Technology (UUST) organized an exciting 100-Meter Running Tournament and Chess competition on 15<sup>th</sup> July filled with energy, thrill, and true sportsmanship. The event brought out the best sprinting talent among students and encouraged fitness, discipline, and healthy competition.



The Khel Club of SRICT-Institute of Science & Research (SRICT-ISR), UPL University of Sustainable Technology (UUST) organized the 100-Meter Running Tournament on 19th August 2025.

★ **Winners of the Tournament:**

🏆 **1st Place - Nirmal Mandal (B.Sc. Sem-3)**

🥈 **2nd Place - Anuj Singh (B.Sc. Sem-3)**

🥉 **3rd Place - Detyaraj Pawar (B.Sc. Sem-3) & Jayrajsinh Zala (M.Sc. Sem-3)**



On World Youth Skills Day, SRICT-ISR successfully organized an engaging Chess Tournament, celebrating sharp minds and strategic skills! 🧑‍🎓🌟  
Kudos to all participants for showcasing true intellect and sportsmanship! 🏆🧠

# “NSS Activities ”

## “Tree Plantation Program ”

Students from the NSS Unit of SRICT-Institute of Science and Research actively participated in a Tree Plantation Program organized by the Government of Gujarat on 17th July 2025 at Dehli Village near Valia. The program was held in the esteemed presence of the Honourable Forest Minister. NSS volunteers represented the institute and enthusiastically took part in the plantation of saplings as part of a state-level initiative to promote environmental sustainability and afforestation. The event aimed to spread awareness among youth about the importance of green cover and ecological responsibility. Students had the opportunity to witness large-scale plantation efforts, interact with government officials, and contribute to a meaningful cause. Such initiatives not only provide practical exposure but also instill a deep sense of environmental commitment among students.

*“Serving nature through action is the true spirit of NSS.”*

## Tree Plantation Program

NSS Unit of SRICT-Institute of Science and Research at  
Dehli, Valia, Gujarat

 17 July, 2025



The NSS Unit of SRICT-Institute of Science and Research actively participated in a Tree Plantation Program on 17th July 2025 at Dehli Village near Valia, in the esteemed presence of the Honourable Forest Minister.

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## “Students Achievements ”

We are proud to announce that Anuj Singh, a B.Sc. Chemistry (2nd Year) student of UPL University of Sustainable Technology has achieved remarkable success in athletics. He secured 1st place in the 400-meter and 800-meter running events at the Taluka-level Khel Mahakumbh held at Rang Nav Chetan School, Valiya, on 8th November 2025.

After his outstanding performance, Anuj represented our university at the District-level competitions on 28th November 2025, where he earned 3rd place in both events. He has also received a cash prize of ₹2000 for each event, which will be disbursed upon completion of government formalities.

We extend our heartfelt congratulations to Anuj Singh for his dedication and exceptional achievement. We also appreciate the support and encouragement provided by the university management in nurturing young talent.



# “Students Achievements ”

## UPL University Girls Selected for State-Level Basketball Championship

On 16th November 2025, the State Basketball Selection Trials were held at Kharod Public School, Ankleshwar, where 24 boys and 18 girls from UPL University of Sustainable Technology participated with great enthusiasm. Every athlete demonstrated excellent skills, discipline, and dedication throughout the event.

Our university’s talented players — Shraddha Badgujar (Diploma CO), Bhumi Patil and Kanchan Bhalerao (B.Sc. Microbiology), Nidhi Chauhan (B.E. CE), and Sunaina Saini (B.Sc.) — have been selected to represent Bharuch District at the State-Level Basketball Championship scheduled to be held in Surat from 7th to 11th December 2025.

This proud moment showcases the commitment of our students and the vibrant sports culture at UPL University. We congratulate all the selected athletes and wish them success in their State-level journey.



# SCI-F.Y.I.

e- Newsletter | 2025 : Issue-6

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The graphic features the UPL logo (UPL OpenAg™) on the top left, the UPL University of Sustainable Technology logo in the top center, and the Rotary Ankleshwar logo on the top right. In the center is a colorful portrait of a man in a turban, surrounded by scientific icons like a DNA helix, a globe, and a bar chart. Below the portrait is a circular medal with a profile of a man, dated 1930, and a larger medal with the motto 'भारत रत्न' (Bharat Ratna), dated 1954. The text 'NATIONAL SCIENCE DAY' is written in large, colorful letters, with '28<sup>th</sup> February' below it.



July 2025 - December 2025