

**Women's Day Special**  
**Five-day Online Faculty Development Program (FDP) on**  
**Recent Advances in Chemistry**  
**"Celebrating Women in Chemistry"**

**Organised by : The Department of Chemistry,  
School of Advanced Sciences (SAS) & American Chemical Society (ACS)**  
**8<sup>th</sup>-13<sup>th</sup> March 2024 (Friday to Wednesday)**



**E-Certificate  
for participation**



**Registration Link :**  
**<https://vtop1.vitap.ac.in/CWC/Conferenceinitial>**

**Last date for Registration : 01<sup>st</sup> March 2024**

**About University**

With a history of 39 years of innovation in the educational and research domain, VIT has been a forerunner in delivering quality education. Consistently ranked among the top educational institutes in the country, the VIT group of institutions have had a proud tradition of pursuing knowledge and excellence. In keeping with this tradition, the leadership at VIT-AP University resonates a dynamic blend of academic initiative and industry partnership with a vision of creating one of the finest academic destinations in the world. The VIT-AP campus, poised to become one of the country's best campuses, offers several avenues to explore your interests, identify core competencies, and engage in an evolving lifecycle of education and growth.

## About the FDP

This faculty development program aims to discuss the recent advances in the development of state-of-the-art technologies and research progress in various branches of chemical sciences. The FDP will also be directed towards the commemoration of women scientists and the promotion of women's involvement in the field of Chemistry. Esteemed academicians and scientists from reputed institutions such as IIT, IACS, IISER, and industries will deliver lectures. Recent developments in the fields of Organic Chemistry, Materials Chemistry, and Biochemistry will be discussed. The American Chemical Society (ACS) will discuss the role of scientific communication, leadership, and management in research.

## FDP Objectives

1. To discuss the current cutting-edge technologies, development and research advances on different branches of chemistry and their applications.
2. To discuss the role of scientific communication, leadership, management, and disseminate the knowledge of career opportunities in the field of chemical Sciences
3. To celebrate the impact of women scientists in the field of chemistry and to promote engagement of women in the field of chemical science research

## FDP Topics

1. Organic Chemistry
2. Inorganic Chemistry
4. Materials Chemistry
5. Biochemistry
6. Environmental Chemistry and Industrial Chemistry
7. Scientific Leadership, Management and Communication
8. Careers in Chemical Industry

**Who can attend:** Faculties, Research scholars, Members from Industry and Government organisations.

**E-Certificate:** A certificate of participation will be awarded to each registered participant after successful completion of FDP.

**Venue:** (Online over MS Teams)

**Registration Link:** <https://vtop1.vitap.ac.in/CWC/Conferenceinitial>

**Last Date for Registration :** 01<sup>st</sup> March 2024

**FDP Dates :** 8<sup>th</sup> March - 13<sup>th</sup> March 2024 (Friday to Wednesday)

# Program Schedule Details:

## Morning

## Afternoon

### Inaugural Session

Day-1  
(Friday)  
08th March 2024



**Dr. Asha Liza James**

Senior Team Lead, Global Editorial Strategy Group,  
ACS Publications

**Title of the talk:**

Tips for preparing your manuscript for publication

**Time : 10:00 am - 12:00 pm**



**Dr. Neeraja Dashaputre**

Principal Technical Officer (Education) Indian  
Institute of Science Education and Research, Pune

**Title of the talk:**

Enhancing Effectiveness in Teaching and  
Communicating Chemistry: Strategies and Resources

**Time : 02:00 pm - 04:00 pm**

Day-2  
(Saturday)  
09th March 2024



**Prof. Swagata Dasgupta**

Department of Chemistry,  
Indian Institute of Technology Kharagpur

**Title of the talk:**

Understanding the World of Proteins

**Time : 10:00 am - 12:00 pm**



**Ms. Bindu Kapoor**

Career and Learning Consultant

**Title of the talk:**

Scientific Management and Leadership

**Time : 02:00 pm - 04:00 pm**

Day-3  
(Monday)  
11th March 2024



**Dr. Vishnupriya Bhakthavatsalam**

Senior General Manager, Reliance Industries Ltd.

**Title of the talk:**

Chemical Recycling Polyester

**Time: 10.00-12.00 PM**



**Dr. Debaki Ghosh**

Group Leader, Synthesis – PolyProtic, Gujarat

**Title of the talk:**

Careers in Chemical Industry

**Time: 02.00 PM - 04.00 PM**

Day-4  
(Tuesday)  
12th March 2024



**Prof. Archita Patnaik**

Department of Chemistry,  
Indian Institute Of Technology Madras

**Title of the talk:**

Chemistry at Restricted Dimensions

**Time: 10.00 AM -12.00 PM**



**Dr. Kamna Sharma**

Team Lead for Process Development,  
Deccan Fine Chemicals

**Title of the talk:**

Polymorphism and Metal  
Chemistry of Organophosphates

**Time: 02.00 PM -04.00 PM**

Day-5  
(Wednesday)  
13th March 2024



**Prof. Nandita Madhavan**

Department of Chemistry,  
Indian Institute of Technology Bombay

**Title of the talk:**

Engineering Peptides to Mimic Proteins

**Time: 10.00 AM -12.00 PM**



**Prof. Harapriya Rath**

School of Chemical Sciences,  
Indian Association for the Cultivation of Science

**Title of the talk:**

Chemistry of Acyclic and  
Macrocyclic N-confused-fused Heterocycles

**Time: 02.00 PM -04.00 PM**

**Valedictory Session  
(04.00-04.30 PM)**



## About the Department of Chemistry:

The department offers M.Sc. Programme, which provides ample opportunities to choose courses from a broad spectrum of cutting-edge areas in addition to fundamentals of organic, inorganic, physical, analytical and computational chemistry. Sessions on improving technical skills, scientific writing, oral presentations and research expertise have been incorporated in the curriculum. Furthermore, the students will have the scope to pursue their post-graduation thesis work at various national and international institutions and industries.

## Programs Offered:

- **Ph.D. Chemistry**
- **M.Sc. Chemistry**
- **M.Sc. Chemistry (Specialization in Analytical Chemistry)**
- **M.Sc. Chemistry (Specialization in Pharmaceutical Chemistry)**
- **M.Sc. Chemistry** in collaboration with Mitsui Kinzoku Components India Pvt. Ltd. (MKCI)
- 100% internships and placement opportunities for MSc Chemistry students

## Scholarships:

### 100% Scholarship for MSc Chemistry

✘ **G.V. PG Merit Scholarship: 100% Full Merit scholarship** to a candidate who has secured CGPA of 9.0 or 90% and above (whichever is applicable) in the 6 Semesters/ Three Years of the qualifying UG examination

✘ **Rajeswari PG Merit Scholarship: 50% scholarship** to a candidate who has secured CGPA of 8.0 or 80% and above in the qualifying UG program and an additional 25% for a girl candidate making it a 75% scholarship.

## Instrument Facilities at the VIT-AP University:

- |  |              |
|--|--------------|
| • UV Visible Spectrophotometer                   | • TGA-DSC    |
| • Fluorescence Spectrometer                      | • SEM        |
| • FTIR Spectrometer                              | • Powder XRD |
| • TCSPC Fluorescence Life Time Spectrophotometer | • Rheometer  |
| • Cyclic Voltammetry                             |              |

## Areas of Innovation and Research:

- Nanomaterials
- Organic Chemistry
- Energy Materials
- Environmental Chemistry
- Inorganic Chemistry
- Physical Chemistry
- Biovaccination
- Supramolecular Chemistry
- Computational Chemistry
- Materials Chemistry

## Research at VIT-AP:

VIT Fellowship for PhD students	GATE Qualified (Above 60% in PG)	Others
First Year	Rs. 31,000/Month	Rs. 25,000/Month
Second and Third Year	Rs. 35,000/Month	Rs. 31,000/Month

- Raman Research Award up to 1 lakh for publications exclusively for research scholars
- Contingency amount of Rs. 10,000 per year for all Scholars
- Open access research publication support for Q1 and Q2 Journals
- Financial support for attending conferences/workshop/training etc.
- More than five external funded projects (more than Rs. 1.5 cr) from DST, SERB, UGC-DAE, ICMR etc.
- Skill development oriented curriculum
- Global collaborations with various reputed academic, research institutes and industries
- More than 20 projects funded by the University to the SAS faculties and students
- The department has more than 20 faculties, all with Ph.D.s and Postdocs from top-tier global Universities
- The department has more than 30 research scholars engaged in various interdisciplinary research activities
- Diverse mix of national and international students

## Registration fee for participants:

**Research Scholar: Rs. 200, Faculty: Rs. 500, Industry Person: Rs. 1,000**

## Organising Team & Contact Details:

### Chairperson:

**Dr. Illa Ramakanth** (HoD, Department of Chemistry)

### Convener:

**Dr. Ritambhara Sharma**

### Co-ordinators:

- Dr. Nagaprasad Puvvada
- Dr. Anubendu Adhikary
- Dr. Sabeel M. Basheer
- Dr. Triveni Rajashekhar Mandlimath
- Dr. Dripta De Joarder
- Dr. Pratheep Kumar
- Dr. Rajashree Naik
- Dr. V. V. Sreenivasu Mummidivarapu
- Dr. Sandhya Sadanandan
- Dr. Bibhab Bandhu Majumdar
- Dr. Rajarshi Sarkar
- Dr. Satyanarayana Moru
- Dr. Debakanta Tripathy

## Organising Members:

- Dr. Paramasivam R
- Dr. Selvakumar
- Dr. Soumyakanta Prusty
- Dr. Muthu Prabhu S
- Dr. Rajesh Chalasani
- Dr. Tufan Ghosh
- Dr. T Ramana
- Dr. Sachil Sharma

## Contact information:

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School of Advanced Sciences (SAS), VIT-AP University, Andhra Pradesh

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