

Theme: Scientific research relies on precise methodologies to explore, analyze, and innovate in various domains, from materials science to biological and environmental studies. It plays a crucial role in understanding the fundamental principles of life and matter by exploring the interactions between chemical compounds and biological systems. Scientific research in chemistry relies on precise application of methodologies to synthesize, explore, analyze, and innovate new entities in materials science to pharmaceuticals. This seminar on 'Methodology of Scientific Research: A Systematic Development' is based on Chemical Science aims to highlight the essential research techniques, experimental design, principles, and data interpretation strategies, statistical validation, error analysis, and ethical considerations in research, ensuring credibility and scientific integrity. This seminar aims to equip students and researchers with the methodological expertise necessary to drive impactful discoveries in chemical science, bridging the gap between theoretical knowledge and practical application in real-world challenges.

Eminent Speakers



Dr. Manas Kumar Santra,
Scientist F, Associate Dean
(Academics)
National Centre for Cell Science,
Pune Maharashtra- 411007



Dr. Swapan Dey,
Associate Professor
Dept. of Chemistry and
Chemical Biology
IIT-ISM, Dhanbad
Jharkhand

TAMRALIPTA MAHAVIDYALAYA

**Tamluk, Purba Medinipur
West Bengal-721636**



**One day
National Seminar**

On

**Methodology Of Scientific Research:
A Systematic Development**

Organized by

DEPARTMENT OF CHEMISTRY

In Collaboration with

Research & development Cell and IQAC

Date & Time : 02-04-2025 (Wed) :: 10:30 am

Venue: Seminar Hall

[Organising Committee](#)



Chief Patron

Dr. Saumen Kr. Mahapatra
President, Governing Body
Tamralipta Mahavidyalaya



Patron

Dr. Abdul Motin
Principal
Tamralipta Mahavidyalaya

Dr. Dipankar Mishra, Convenor
Dr. Dhruvajyoti Majumdar, Secretary
Dr. Pritiranjana Pahari, Jt. Secretary & Treasurer
**Member of organizing Committee : All faculty members
of Dept. of Chem., R & D Cell and IQAC**

Registration Fees : UG & PG students: 100/-
Research Scholar & Faculty Member Rs. 200/-
(Last date of Registration : 28.03.2025)

About the College : Tamralipta Mahavidyalaya, popularly known as Tamluk College, is a premier educational institution, affiliated to the Vidyasagar University, West Bengal. It is a NAAC Accredited, DST-FIST & DBT Boost Recipient College. This college was established on 2nd August in 1948 at Tamluk, a historical place of undivided Midnapore, by the dedicated, sincere and concerted efforts of a number of educationists, patriots and enthusiastic people from all walks of life, the leading role of which was taken by widely respected Late Srinath Chakraborty. At present the college is enriched with 20 U.G Dept., 4 PG Dept., B. Ed. & a Research Centre. The intention of the college is to develop an education system where thinking, questioning, imagining, creations and innovations are promoted and encouraged constantly to the students to be a true citizen of India.

About the Department : The Department of Chemistry Started its journey in AY 1949- 1950 at I. Sc. level. Hons. Course was introduced in 1963- 1964 under Calcutta University. The college along with its all department now under the affiliation of Vidyasagar University, Midnapore, since 1987. At present the dept. is organized by six teachers and two assisting staffs with responsive team spirit. Our Teachers are actively involved in guiding our students and encouraging them to achieve the goal for higher education and successful careers. In every year almost 50% passed out UG students get chance to PG courses in different Universities all over India. On an average more than three students qualified and pursuing M. Sc. from IIT/ NIT



Dr. Shouvik Chattopadhyay
Professor
Dept. of Inorganic Chemistry
Jadavpur University
Kolkata-700032



Dr. Sumita Roy
Professor
Dept. of Chemistry
Vidyasagar University
Midnapore, West Bengal

**For any query :Whatsapp on
9433758632 / 9123887647 / 9232688767**

**For poster presentation in Seminar, submit the
abstract to : dmishra@tmv.ac.in /
dmajumdar@tmv.ac.in (Last date: 28.03.2025.)**



ONE DAY NATIONAL LEVEL SEMINAR
ON
METHODOLOGY OF SCIENTIFIC RESEARCH: A
SYSTEMATIC DEVELOPMENT
ORGANIZED BY
DEPARTMENT OF CHEMISTRY
IN COLLABORATION WITH RESEARCH &
DEVELOPMENT CELL AND IQAC
TAMRALIPTA MAHAVIDYALAYA
TAMLUK, PURBA MEDINIPUR, WEST BENGAL - 721636
2ND APRIL, 2025 (WEDNESDAY): 10:30 AM

Important Note:

For poster presentation in the Seminar to be held on 2nd April, 2025 submit the abstract to dmishra@tmv.ac.in / dmajumdar@tmv.ac.in with in 28.03.2025

.Abstract Format: Title (Bold, Times New Roman 16), Author Name and affiliation and email (Times New Roman 12), Name of presenting author should be underlined. Abstract (Times New Roman 12), 300 words (one page). All line should be single spacing and justified .

Programme Schedule

Duration	Inaugural Session	Speaker
10:30am- 11:15 am	Reception & Welcome Ceremony	
11:00 am	Welcome Note	Dr. Abdul Motin, Ph. D. Principal Tamralipta Mahavidyalaya
11:05 am	Inaugural Speech	Dr. Dipankar Mishra, Ph. D. Coordinator , Dept. of Chemistry Tamralipta Mahavidyalaya
11:10 am	Key Note Address	Dr. Manas Kumar Santra, Ph.D, FNAsc. Scientist F, Associate Dean (Academics) National Centre for Cell Science, Pune- 411007
Technical Session		
Session Chair: Dr. Dhruvajyoti Majumdar, Ph. D. Convener, Research & Development Cell, Tamralipta Mahavidyalaya		
11:15 am-12:05 pm	Topic: Research Methodology: Designed Synthesis and Serendipity	Dr. Shouvik Chattopadhyay, Ph. D. Professor , Dept. of Inorganic Chemistry Jadavpur University, Kolkata-32
12:05 am-12:15 pm	Interactive Session	
Technical Session-II		
Session Chair :Dr. Sumita Roy, Ph.D.		
12:15 pm to 1:00 pm	Topic: Molecular Recognition: Principles and Applications	Dr. Swapan Dey, Ph. D. Associate. Professor Dept. of Chemistry and Chemical Biology IIT-ISM, Dhanbad
1:00 pm- 1:10 pm	Interactive Session	
1:10 pm -2:00 pm	Lunch Break	
Technical Session-III		
Session Chair : Dr. Swapan Dey, Ph. D.		
2:00 pm - 2:45pm	Topic: Pyridine Based Amphiphiles Applicable in Toxic Dye Removal, Phase Selective Gelation and Reproducible Mat Formation	Dr. Sumita Roy, Ph.D. Professor , Dept. of Chemistry Vidyasagar University, Midnapore
2:45pm- 2:55pm	Interactive Session	
Technical Session-IV		
Session Chair: Dr. Shouvik Chattopadhyay, Ph. D.		
2:55 pm - 3:45	Topic: The life and death of proteins in cells: Importance for life of organisms	Dr. Manas K. Santra, Ph.D, FNAsc Scientist F, Associate Dean (Academics) NCCS, Pune, Maharashtra- 411007
3:45 pm- 4:00 pm	Interactive Session	
4:00 pm – 5:30 pm	Paper Presentation / Poster Presentation	
5:30 pm- 5:45pm	Vote of Thanks	Dr. Priti Ranjan Pahari, Ph. D. Associate Professor Dept. of Zoology & Coordinator, IQAC Tamralipta Mahavidyalaya

****All interested persons are welcome to this Seminar ****