

CHEMICAL SCIENCES

Venue: Chemistry Lecture Theatre-1, Department of Chemistry, Derozio Building (2nd. Floor)
17th. January 2025 Friday Technical Session- 1 (2:00 PM onward)

SI No.	Application No.	Name of the Presenting Author	Name of the Institute/ Organization	Title of the Abstract
1	WBSSTC/2024-25/R6/CHEM/081914	Amar Ghosh	Jadavpur University	DNA-binding by Functionalized Gold Nanoprisms: Insights from Spectroscopic, Photophysical, and Theoretical Perspectives
2	WBSSTC/2024-25/R6/CHEM/074439	Sourav Pakrashy	Presidency University	A Mechanism-Based Design and Click Chemistry Mediated Synthesis of 3D PROTACs Triggering Apoptosis in Colorectal Cancer
3	WBSSTC/2024-25/R6/CHEM/124829	Dr Partha Halder	Scottish Church College	Synthesis of Functional Polymer Composite for Flexible Electronics and Storage Devices by iron(III) and copper (II) based metal-organic complexes
4	WBSSTC/2024-25/R6/CHEM/032102	Meghna Bhattacharyya	Scottish Church College	Supersymmetric Quantum Mechanics and Darboux Transformation: A comparison
5	WBSSTC/2024-25/R6/CHEM/033842	Seikh Asif	University Of Calcutta	Graphene Quantum Dots as Ratiometric Fluorescent Sensor for Lactic Acid
6	WBSSTC/2024-25/R6/CHEM/035855	Tridib Banerjee	Calcutta University	Optimisation of Encapsulation and Sustained Release of Quercetin by Clerigar Coated Liposomal System in pH driven Method
7	WBSSTC/2024-25/R6/CHEM/042030	Shalmali Basu	University Of Calcutta	Gold Nanoparticle Fabricated Graphene Oxide as SERS Platform for Ultra-trace Antibody Free Sensing of Cancer Biomarker CEA
8	WBSSTC/2024-25/R6/CHEM/010952	Tiyasa Ray	Calcutta University	Soy Flour – Clerigar Composite Fluorogels for Non-enzymatic Ultra-trace Sensing of Serum Ascorbic Acid
9	WBSSTC/2024-25/R6/CHEM/114605	Paritosh Barik	University Of Calcutta	Chemoselective Synthesis of Bioactive Oxacycles via Oxidative and Reductive Mechanochemical Cyclization
10	WBSSTC/2024-25/R6/CHEM/011252	Dhritiman Chowdhury	Presidency University	Encapsulation of thymol in β - cyclodextrin nanocavities and its binding with DNA
11	WBSSTC/2024-25/R6/CHEM/034137	Sk Sujauddin	University of Calcutta	Switching Luminescent Properties in 1D Supramolecular Polymers of Naphthalimide-Based Chromophores and Demonstration of Reversible Anion-Assisted Polymerization in Moderately Polar Solvents with Controllable Nanostructures and Electronic Properties
12	WBSSTC/2024-25/R6/CHEM/044829	Dr Soumyabrata Goswami	Amity University Kolkata	Ditopic Recognition of Reciprocally Dependent Cations and Bio-Apt Anion by a Newly Synthesized Inimitable Er(III)-Complex

13	WBSSTC/2024-25/R6/CHEM/050757	Madhuri Mandal Goswami	Indian Association for the Cultivation of Sciences	Enhanced fluorescence and hyperthermia therapy by Polydopamine engineered cobalt ferrite nanoparticles
14	WBSSTC/2024-25/R6/CHEM/103554	Soumya Kolay	University of Calcutta	Polyurethane based Crosslinked Nanoassemblies: A Rout to Cocktail Drug Delivery for Cancer Therapy
15	WBSSTC/2024-25/R6/CHEM/104710	Himal Das	Jadavpur University	A Photophysical Exploration of Comparative Binding Interaction of a Molecular Rotor Thioflavin T with Polymorphic Forms of RNA: A Demonstration of Nucleic Acid-Mediated Energy Transfer Triggered White Light Generation

18th. January 2025 Saturday Technical Session- 2 (10:00 AM)

16	WBSSTC/2024-25/R6/CHEM/105924	Biswajit Panda	City College	Transition Metal Free, Easy and Convenient Method for Synthesis of Indenofurans and Indenobenzofurans
17	WBSSTC/2024-25/R6/CHEM/085443	Diya Sutradhar	Presidency University	Exploring the Cr(III) sensing and protein-binding behavior of a triazole based compound : A fluorescence spectroscopic study
18	WBSSTC/2024-25/R6/CHEM/123444	Sudip Kumar Ghosh	Techno India University West Bengal	Development of Pb(II)/TPP-PANI-CNT Composites with Enhanced Dielectric Properties
19	WBSSTC/2024-25/R6/CHEM/123637	Arnab Banerjee	Presidency University	Aggregation and interfacial behavior of aqueous 1-decyl-3-methylimidazolium chloride in presence of sodium polyacrylate
20	WBSSTC/2024-25/R6/CHEM/041120	Poulami Bag	Presidency University	Particle-wall alignment interaction and directed autonomous motion of Janus particles
21	WBSSTC/2024-25/R6/CHEM/052727	Madhushri Maiti	Presidency University	Exploring the Prospects of Potassium Vanadate as Negative Electrode in Aqueous Al-Ion Battery for Solar Applications
22	WBSSTC/2024-25/R6/CHEM/053842	Indranil Dinda	Presidency University	An all polymer flexible asymmetric supercapacitor with polyanthraquinone sulfide negative and poly-Schiff base positive electrodes in SiO ₂ -Al ₂ (SO ₄) ₃ hydrogel electrolyte

23	WBSSTC/2024-25/R6/CHEM/083445	Afsar Ahmed	Presidency University	Silica Supported Nickel Catalysis for Carbonylative Synthesis of Functionalized Aryl Iodides
24	WBSSTC/2024-25/R6/CHEM/090850	Kaushik Singha	Presidency University	Beta Selective Addition of gamma-Butenolides to 1,3-dipoles under Lewis Acid Activation