

Department One-day Symposium

Oral Presentations on February 14, 2020

S. No.	Name	Time	Supervisor	Title of Talk
Session I				
Address by Prof. A. J. Elias (HOD) 9:30 – 9:35 am				
L1	Nidhi Mahavir	9:35 – 9:50 am	Ravi Shankar	Catalytic synthesis of 1,1,3,3-tetraorganodisiloxane-1,3-diols using AuNPs and their anion binding behaviour
L2	Gajanan Kunde	9:50 – 10:05 am	Ashok Ganguli	Environmentally Benign Approach in the Synthesis of Alumina Based Mesoporous Materials
L3	Bhawna	10:05 – 10:20 am	Siddharth Pandey	Can Common Liquid Polymers and Surfactants Capture CO ₂ ?
Invited Lecture: 10:20 – 11:10 am				
Dr. T Rajamannar				
Tea Break (11:10 – 11:30 am)				
Session II				
L4	Md Samim Hassan	11:30 – 11:45 am	Sameer Sapra	MoSe ₂ -based Nanoheterostructures for Optoelectronic Device Applications
L5	Amrita Dawn	11:45 – 12:00 noon	Shashank Deep	Interaction of TGFβ ₃ with its receptors: a unique mechanism of protein-protein association
L6	Harender S. Dhatarwal	12:00 – 12:15 pm	Hemant K. Kashyap	How Flexibility of Nanoscale Solvophobic Confining Material Promotes Capillary Evaporation of Ionic Liquids
L7	Syeda Warisul Fatima	12:15 – 12:30 pm	Sunil Khare	Enzymatic Nanoflowers of Transglutaminase: Magical bullet shots for cancer therapy
L8	Susanta Hazra	12:30 – 12:45 pm	Anil J. Elias	Exploring the catalytic activity of NaCl in water medium for oxidation and oxidative transformation of alcohols and amines to value-added chemicals.
Awards (12:45 – 1:00 pm)				
Lunch Break (1:00 – 2:30 pm) –Includes Group Photo Session				
Session III				
L9	Preeti Chaudhary	2:30 – 2:45 pm	Pravin Ingole	In-situ Solid State Synthesis of 2D/2D interface between Ni/NiO hexagonal nanosheets supported on g-C ₃ N ₄ for Enhanced Photo-electrochemical Water Splitting.

Session III (Contd.)				
L10	Harshita Rastogi	2:45 – 3:00 pm	Pramit Chowdhury	Modulating Catalytic Activity of an Enzyme in Crowded Scenario - Understanding the Structural Aspects
L11	Balvinder Singh	3:00 – 3:15 pm	N. D. Kurur	Study of Chemical Exchange in NMR using Singlet States
L12	Sanjay Singh	3:15 – 3:30 pm	Ravi P. Singh	Asymmetric Vinylogous Michael Addition of 3-cyano-4-methyl-coumarins to N-substituted maleimides
L13	Pritam Mahawar	3:30 – 3:45 pm	S. Nagendran	Germa-carbonyl compounds: How far one can go?
L14	Ritu	3:45 – 4:00 pm	Nidhi Jain	Visible Light Mediated Photocatalysis in Heterocyclic Compounds
L15	Varsha Panwar	4:00 – 4:15 pm	Tanmay Dutta	Deployment of a novel thermophilic laccase in sustainable engineering
High Tea and Poster Session (4:15 – 5:30 pm)				
Session IV				
L16	Sayani Das	5:30 – 5:45 pm	Shivajirao L. Gholap	Total Syntheses of anti-fungals (-)-hygrophorone A ¹² and (+)-hygrophorone B ¹²
L17	Abhishek Kulsrestha	5:45 – 6:00 pm	N. G. Ramesh	Synthesis of novel sugar-iminosugar hybrid molecules
L18	Bharti Singh	6:00 – 6:15 pm	A. Ramanan	Manganese carboxylate based coordination polymer
L19	Sameer Dhawan	6:15 – 6:30 pm	V. Haridas	Designer Self-Assembling Peptides and Their Multifaceted Applications
L20	Amita Pathak	6:30 – 6:45 pm	B Jayaram	What is fundamental to amino acids?
Poster Awards and Conclusion				

Research Scholars Presenting Posters on February 14, 2020

S. No.	Name	Supervisor	Title of Poster
P1	Ekta Jakhar	Ravi Shankar	Role of organic amines as templates and coordinating ligands in divalent metal- phosphites
P2	Shalini	Ashok Ganguli	Investigation of photo electrochemical activity and stability of Vanadium sulphide based composite
P3	Divya Dhingra	Siddharth Pandey	Fluorescence quenching by nitro compounds within hydrophobic deep eutectic solvents
P4	Raman Singh	Sameer Sapra	$\text{Cs}_2(\text{Na}_x\text{Ag}_{1-x})\text{BiX}_6$ (X = Cl, Br) Nanocrystals: A New Class of Alloyed Double Perovskite with Tunable Band Gap
P5	Shahenvaz Alam	Sunil Khare	Electrochemical sensing of Acrylamide from potato chips using decorated Gold electrode
P6	Rajashree Newar	Kuntal Manna	Highly Active Cobalt-Catalyst based on Pyridylimine-Functionalized Metal-Organic Frameworks for Arene and Benzylic Borylation
P7	Vikas Khatri	Hemant K. Kashyap	Control of Ziegler-Natta Catalyst Activity by Structural Design of Alkoxysilanes-based External Donors
P8	Parul Saini	Anil J Elias	Oxidative coupling of benzylamines with indoles in aqueous medium to realize bis-(Indolyl)methanes using a water-soluble cobalt catalyst and air as the oxidant
P9	Shilpa Sharma	Shashank Deep	Understanding the effect of posttranslational events on the dynamics of SOD1
P10	Upanshu Gangwar	Prof. N. D. Kurur	A Pure Shift NMR approach to resurrect the Long-lived Coherences in multiple two-spin systems
P11	Manju Devi	Ravi P. Singh	Stereoselective alkylation of 3-bromo oxindoles for the synthesis of two contiguous all-carbon quaternary centres
P12	Vivek Kumar Singh	S. Nagendran	Synthesis and catalytic activity of air-stable palladium(II) complexes stabilized by a germylene
P13	Alankrita Garia	Nidhi Jain	Quinoline fused lactones via tandem oxidation/cyclization: metal-free dual sp^3 C-H activation

P14	Namra Siddiqui	Tanmay Dutta	Mechanism of RyjB expression at low pH
P15	Ms. Anju Bala	Dr. Shivajirao L. Gholap	Towards total synthesis of antimicrobial natural streptoaminals.
P16	Jyoti	Pravin P. Ingole	Comparison of NiO decorated g-C ₃ N ₄ prepared under different Conditions as an effective Photoanode in PEC Water Splitting
P17	Moumita Bera	Sayantana Paria	Electrocatalytic Water Oxidation by a Molecular Copper Electrocatalyst
P18	Shailabh Tiwari	A Ramanan	Lanthanide Coordinated Anderson-Evans cluster: The structural Landscape
P19	Deepa Bhardwaj	Jai Deo Singh	Design, Synthesis and Structural Aspects of UO ₂ ²⁺ (VI) Complexes Derived from (O, N and S/Se) Based Schiff-bases and Related Species
P20	Bhumika Singh	B Jayaram	Bioactivity Informatics of Indian Medicinal Plants
P21	Jyoti	Jai Deo Singh	Design, Synthesis and Structural Aspects of Metal Complexes derived from 1,3,5-tris(alkylchalcogenomethyl)-2,4,6-trimethylbenzenes