



Student Presentations

Oral presentations from
each research group

Posters from each
research group

Best Oral Talks and
Poster Awards

Guest Lectures

An opportunity for all
enthusiasts to delve into
the depths of Chemistry

2ND MARCH 2019

Department of Chemistry IIT Delhi Presents

CHEMISTRY DEPARTMENT DAY

The annual event bringing students from all the research laboratories in the Chemistry Department at IIT Delhi is back. All laboratories showcase their work through lectures and posters in a day-long event. You will get to experience synthesis of organic and inorganic molecules, solids and nanomaterials, spectroscopy and protein chemistry, ribonucleic acids and molecular dynamics – all under the same roof.

Venue

LH 410

Lecture Hall Complex

ORGANIZERS

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Chemistry Department Day 2019

Programme

Venue: LH 410

2nd March 2019, Saturday

9:00-9:15 am	Inauguration
9:15 – 10:15 am	Plenary lecture: Prof. Suresh Das
10:15 – 10:30 am	Tea
10:30 am – 1:00 pm	Student talks (10 talks, 12 minutes each)
	Sandip Karamakar <i>Crowder induced structural modulation of a multi-domain protein during its early stages of aggregation: A FRET-based and protein solvation study</i>
	Fatima Zaidi <i>Scutellarin Inhibits Metal-induced Aggregation of Alpha Synuclein and Disaggregates Preformed Fibrils : Implications for Parkinson's Disease</i>
	Amit Kumar Gupta <i>Caught in its game: ribonucleases regulate the expression of RNA regulators</i>
	Susanta Hazra <i>Oxidation of Alcohols to Acids in Water Using I₂/NaOH as Catalyst and TBHP as Oxidant: A Green, Metal Free Route to Industrially Important Dicarboxylic Acids</i>
	Nitin yadav <i>Mechanistic Insights on the growth of anisotropic nanostructures in reverse micelles: A solvation approach</i>
	Sayani Das <i>Total syntheses of Pseudohygrophorone A12 and pseudohygrophorone B12</i>
	Sameer Dhawan <i>Functional Assemblies from Peptides and Peptidic Polymers</i>
	Preeti Chaudhary
	Alankrita Garia <i>Metal-free synthesis of fused Quinazolinones by oxidative cyclization of N-pyridylindoles</i>
	Pradeep Pant <i>Symmetric Nucleic Acids</i>
1:00 – 2:30 pm	Lunch & Posters

2:30 – 3:00 pm	Invited Lecture: Prof. Neetu Singh	
3:00 – 4:15 pm	Student Talks (5 talks, 12 minutes each)	
	Pratibha Kumari	Impact of Amphiphilic Molecules on the Structure and Stability of Sphingomyelin Bilayer
	Shubhrama Ghosh	Biodegradation of 7-ketocholesterol and studies into bacterial cholesterol oxidase
	Rituraj Mishra	An NMR technique to determine hidden coupling constants
	Pritam Mahawar	[L Sn(II)][OTf]: Efficient low-valent main group catalyst for the hydroboration of aldehydes and ketones(L = aminotroponate)
	Anu Kadyan	Fluorescence Quenching within Lithium Salt-Added Ionic Liquid Media
4:15-4:30 pm	Tea Break	
4:30-5:45 pm	Student Talks (5 talks, 12 minutes each)	
	Manisha	Hydrogen storage in metal-organic frameworks
	Umesh Kumar Mishra	Synthesis of novel Bis-azanucleosides
	Ajeet	
	Archishmati Dubey	Studies towards dimethyltin(IV)-based metal organic frameworks derived from 1,2,4,5-benzenetetracarboxylic acid using hydrothermal approach
	Manish	Asymmetric Vinylogous Aldol Reaction of 3-Alkylidene-2-Oxindole to α -ketophosphonates through Bifunctional thiourea catalyst
5:45 – 6:00 pm	Concluding Remarks	