

Student Oral

Sr No	Name of Candidate	Title
1	Shrikant Kunjir	Low field NMR in flow reactions: Methodology & applications
2	Anup Paul	Lipids and Metabolites quantitation in Tumor tissues using 1H HR-MAS NMR Spectroscopy and its applications in Cancer Metabolic Profiling
3	Arun Patel	Binaphthalene-benzamide derivatives exhibiting strong Intramolecular Hydrogen Bonds in High Polarity Solvents: Extensive NMR Studies
4	David Joseph	Characterization of complex mixtures of small molecules using new fast NMR experiments
5	Niranjan Kumar	Structural and functional analysis of RTEL1 helicase
6	Rajat Kumar Garg	Analytic Theory of heteronuclear decoupling in solids using Effective Hamiltonians
7	Ravikanth Reddy	NMR Investigations on Binding and Dynamics of Imidazolium Based Ionic Liquids with Lysozyme
8	Shreyan Ganguly	Equivalence of Effective Hamiltonians obtained from Averaging Schemes employed in magnetic resonance experiments
9	Soham Pal	Experimental demonstration of the validity of the quantum heat-exchange fluctuation relation in an NMR setup
10	Sonali Mishra	Quality Assessment of Putranjiva (Putranjiva roxburghii) Seeds from Different Geographical Origins using 1H NMR and Multivariate Analysis.
11	Mondal Sujit	Study of Competition Kinetics in Selective Hydrogenation by NMR Spectroscopy: Saturation of Diolefins/Olefins vs. Isomerization of α -Olefins in Light Naphtha Stream towards BS-VI Gasoline
12	Sumit Mishra	Metabolic Profiling of Sunflower (Helianthus annuus) stems during Circadian Cycle Using 1H NMR Spectroscopy and Multivariate analysis
13	Yashwantsinh Jadeja	A new approach for the study of Desmotropy in Olmesartan medoxomil by Solid State NMR
14	Ankeeta Sharma	Functional connectivity changes in visual ventral and dorsal stream during language task in early and late blind subjects
15	Surbhi Tiwari	In-depth NMR Investigations of Intramolecular Hydrogen bonding Giving Stable Conformations in N-benzoylanthranilidine and its Derivatives
16	Jishan Bari	Biomolecular NMR studies on the G57W mutant of human γ S-crystallin and its role in childhood cataracts. (Award)
17	Humaira Ilyas	Structural Insights into the Combinatorial Effects of Antimicrobial Peptides Reveal a Role of Aromatic–Aromatic Interactions in Antibacterial Synergism (Award)
Faculty Oral		
1	Sandeep Mishra	Highly Selective Catalytic Oxidation of Liquid and Gas Olefins on Well-defined SOMC Catalysts
2	Krishna K Dey	Sensitivity Enhanced 2DPASS: Applications for accurate determination of Qn species in modified silicate glass.
3	Varsha Brahmkhatri	Visualization of protein coronas on Nanoparticle surface by solution NMR spectroscopy.
4	Samanwita Pal	Molecular behaviour through NMR Spin-lattice Relaxation in Solution: How Far can We Go?