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T00140	Precision in modification and analysis of proteins by targeting amine and carboxylic acid	Rohith Singudas	Dr. Vishal Rai	August-2019	Chemistry	xiii, 276p

T00141	Unravelling the Role of Polymorphism and Interaction Topology towards a Quantitaive Assessment of Intermolecular Interactions in Molecular Crystals	Subhrajyoti Bhandary	Dr. Deepak Chopra	August-2019	Chemistry	xiii, 224p
T00142	Annulative π- Extension (APEX) with Metal-N-Heterocyclic Carbene Templates : A Unique Strategy toward New Classes of Cationic Polycyclic Heteroarenes	Champak Dutta	Dr. Joyanta Choudhury	July-2019	Chemistry	xiii, 244p
T00143	Organocatalytic Asymmetric Construction of Benzospiroketal, Benzodiquinane and Benzospirononane	Abhisek Midya	Dr. Prasanta Ghorai	April-2019	Chemistry	xiii, 222p
T00144	Source Apportionment of Fine particles over a National Park in Central India	Samresh Kumar	Dr. Ramya Sunder Raman	August-2019	Earth and Environmental Sciences	xii, 158p
T00145	SNX27-retromer assembly directs MTI-MMP trafficking to invadopodia and promotes breast cancer metastasis	Priyanka Sharma	Dr. Sunando Datta	August-2019	Biological Sciences	xii, 151p
T00146	Terahertz Electrodynamics of Correlated Electrons in Transition Metal Oxides	K. Santhosh Kumar	Prof. Dhanvir Singh Rana	November-2019	Physics	xiv, 117p
T00147	Role of electron correlation and cation arrangements in perovskite derived transition metal oxide	Baddipalli Harinathreddy	Dr. Ravi Shankar Singh	September-2019	Physics	xxv, 115p
T00148	N-Heterocycle Synthesis and Remote Functionalizations via Pd-Catalysis	Gaurav Saini	Dr. Manmohan Kapur	January-2020	Chemistry	xi, 319p
T00149	Lysine Directed Single-Site Precision Engineering of Native Proteins	Dattatraya Gautam Rawale	Dr. Vishal Rai	August-2020	Chemistry	xiii, 231p
T00150	Commutativity of periodic mapping classes and their representations as words in Dehn twists	Neeraj Kumar Dhanwani	Dr. Kashyap Rajeevsarathy	August-2020	Mathematics	x, 80p
T00151	Covariant Quantum Gravitational Corrections to Scalar and Tensor Field Models	Sandeep Aashish	Dr. Sukanta Panda	April-2020	Physics	xiii, 102p
T00152	Identification of Sen1 as a regulator of flocculation and mitochondrial integrity in Saccharomyces cerevisiae	Sariki Santhosh Kumar	Prof. Raghuvir S. Tomar	September-2020	Biological Sciences	xvi, 160p
T00153	Polydopamine nanomaterials prepared using self-assembling templates: Antifouling coatings, Chirality translation and redox behaviour	Anand Kumar Awasthi	Dr. Aasheesh Srivastava	October-2020	Chemistry	xvii, 145p
T00154	CMB Component Reconstruction and angular Power Spectrum Estimation From Multi-Frequency Observations	Vipin Sudevan	Dr. Rajib Saha	October-2020	Physics	xviii, 209p

T00155	Asymmetric Organocatalytic Cascade Cyclisation for the synthesis of Benzoxaboroles, Isobenzofuryl Phosphonates and 2-Thioxo quinolines	Gurupada Hazra	Dr. Prasanta Ghorai	April-2019	Chemistry	xii, 181p
T00156	Design & Synthesis of Novel Ester Diazoenals and diazodienals: Application to the Synthesis of tetrahydroquinoline fused tetracyclic Molecules via Polycyclization of Rh-Dienalcarbenoids	Haribabau Chennamsetti	Dr. Sreenivas Katukojvala	May-2019	Chemistry	xii, 151p
T00157	Drosophila ELYS: From Molecular Characterization to the Regulation of Dorsal Dynamics during Development	Mehta Saurabh Jayeshkumar	Dr. Ram Kumar Mishra	May-2019	Biological Sciences	xix, 159p
T00158	Decoding Membrane Protein Folding and Function with the Prototypic Outer Membrane Enzyme PagP	Bharat R. Iyer	Dr. R. Mahalakshmi	May-2019	Biological Sciences	xiv, 361p
T00159	Emergent Phase space Description of Unitary Matrix Models and its applications	Arghya chattopadhyay	Dr. Suvankar Dutta	May-2019	Physics	xvii, 205p
T00160	Biochemical, genetic and chemical genetic characterization of CRGI, MRPL 51 and YPR099C in Saccharomyces cerevisiae	Pushpendra Kumar Sahu	Prof. Raghuvir S. Tomar	June-2019	Biological Sciences	xviii, 153p
T00161	Identification and Characterization of the molecular factors that establish methylotrophic metabolism in Mycobacterium smegmatis	Abhishek Anil Dubey	Dr. Vikas Jain	July-2019	Biological Sciences	xv, 111p
T00162	N-rich nanoporous organic materials for CO_2 capture and conversion	Md Waseem Hussan	Dr. Abhijit Patra	July-2019	Chemistry	xv, 125p
T00163	Role of Arabidopsis B-box protein BBX31 in photomorphogenesis and UV-B protection	Arpita Yadav	Dr. Sourav Datta	July-2019	Biological Sciences	xx, 114p
T00164	Transition-Metal-Catalyzed Directed C-H Functionalization of Heterocycles in C-C and C-X bond formation	Paridhi Saxena	Dr. Manmohan Kapur	October-2019	Chemistry	xiii, 286p
T00165	Role of COP1 in integrating light and ABA signaling pathways to optimize seedling development under stress conditions	Yadukrishnan P	Dr. Sourav Datta	November-2019	Biological Sciences	xix, 113p
T00166	The MATE transporter DTX30 modulates auxin homeostasis to regulate root development and promotes aluminium tolerance	Neha Upadhyay	Dr. Sourav Datta	October-2019	Biological Sciences	xxi, 113p

T00167	Biochemical characterization of EhRab21 and its effector, EhC2B from E. histolytica	Aashutosh Tripathi	Dr. Sunando Datta	June-2019	Biological Sciences	ix, 76p
T00168	Interplay of Thermodynamic and Kinetic Stability in OMP Folding and Aggregation	Ankit Gupta	Dr. R Mahalakshmi	August-2019	Biological Sciences	xvi, 556p
T00169	Investigation on Magnetic Bistable Systems, Fe(III) Based Spin Crossover (SCO) and Cu-Ln Coupled Single-Molecule Magnet (SMM)	Bijoy Dey	Dr. Sanjit Konar	January-2020	Chemistry	xiv, 201p
T00170	Functional and Evolutionary Insights into Genomes and Metagenomes	Parul Mittal	Dr. Vineet Kumar Sharma	January-2020	Biological Sciences	xii, 188p
T00171	Design and Development of Biocompatible Fluorescent Markers through Bio-conjugation and Protein Engineering for Understanding the Cellular Events	Prashant Kumar	Dr. Vimlesh Kumar & Dr. Apurba Lal Koner	January-2020	Biological Sciences	xi, 126p
T00172	Nup88 stabilized through Nup62 interaction promotes NF-kB dependent pathways in cancer	Usha Singh	Dr. Ram Kumar Mishra	February-2020	Biological Sciences	xv, 112p
T00173	Angularity Resummations and Jet Substructure Measurements at the Electron-Positron Collider	Ankita Budhraja	Dr. Ambar Jain	March-2020	Chemistry	xix, 191p
T00174	Probing the function of histone H3/H4 residues in the regulation of DNA damage, arsenite, and amino acid stress response in yeast	Pilendra Kumar Thakre	Dr. R S Tomar	March-2020	Biological Sciences	xvi, 158p
T00175	Phylogenetic systematics, historical biogeography and character evolution in the taxonomically complex genus Hedychium J.Koenig (Zingiberaceae)	Ajith Ashokan	Dr. Vinita Gowda	April-2020	Biological Sciences	xix, 228p
T00176	Ultrafast exciton many-body interactions in semiconductor nanostructure: Cesium lead halide perovskite nanocrystals and tungsten sulphide/reduced Graphene oxide heterostructure	Anirban Mondal	Dr. K V Adarsh	April-2020	Physics	xxiii, 137p
T00177	Understanding the dynamics of diffusiophoretically moving vesicle and colloids using computer simulations	Prabha Chuphal	Dr. Snigdha Thakur	June-2020	Physics	xxix, 165p
T00178	Asymmetric Approaches to Hetero Dimeric Pyrroloindoline Alkaloids, Chimonanthidine and Calycanthidine	Avishek Roy	Dr. Alakesh Bisai	June-2020	Chemistry	xvi, 493p

T00179	Synthesis and Evaluation of Funetionalized ArylamideScajjolds for Improved	Mahadev Gangarde Yogesh	Dr. Ishu Saraogi	January-2021	Chemistry	Xvii.179
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T00181	Expansion of the evolationarily Conserved network of J- domin Proteins in the Arobidopsis thaliana mitochondrial import Complex	Chetana Tamaduddi	Dr. Chandan Sahi	December-2020	Biological Sciences	xx, 140
T00182	Understanding the role of SWI/SNF subfamily chromatin remodelers in regulating unfolded protein stress response	RAKESH KUMAR SAHU	Dr. R S Tomar	August-2021	Biological Sciences	xxii, 188
T00183	Shift Spaces with a Hole: Properties and Applications	Haritha C	Dr. Nikita Agarwal	December-2020	Mathematics	xiii, 128
T00184	Catalytic Asymmetric Synthesis of Nitrogen and Sulfur Containing Five Membered Heterocycles	Rayhan Gafur Biswas	Dr. Vinod K Singh	May-2021	Chemistry	Xiii, 208
T00185	Identification of Subfunctionalized Aggregate-Remodeling J-Domain Proteins in Plants	Yogesh Tak	Dr. Chandan Sahi	June-2021	Biological Sciences	Xviii,260
T00186	Mechanistic Study of Oncogenic Splicing Switch of PKM Gene in Head and Neck Cancer	Sandhya Yadav	Dr. Sanjeev Shukla	May-2021	Biological Sciences	xiv, 100
T00187	Understanding Biological Systems using Artificial Intelligence and Data Science Approaches	Shubham Kumar Jaiswal	Dr. Vineet Kumar sharma	January-2021	Biological Sciences	xvi,297
T00188	Synthesis and Study of Magnetically Anisotropic Metal [Tb(III) and Co(II)] Complexes	Ajit Kumar Kharwar	Dr.Sanjit Konar	August-2020	Chemistry	xi, 139
T00189	Human Mitochondrial VDAC2 : Stability – Function Interplay	Shashank Ranjan Srivastava	Dr. R. Mahalakshmi	November-2020	Biological Sciences	xiv, 151
T00190	Hypoxia-induced TGF-β-RBFOX2-ESRP1 axis regulates human MENA alternative splicing and promotes EMT in breast cancer	Neha Ahuja		November-2020	Biological Sciences	x,79
T00191	Organic Multichromophores: Development of Solid-state and Long-lived Emissive Materials	Bahadur Sk	Dr. Abhijit Patra	July-2020	Chemistry	xiv,184

T00192	A Computer Simulation Study of Active Filaments and Anisotropic Microswimmers	Shalabh Kumar Anand	Dr. Sunil Pratap Singh	September-2020	Physics	xvii, 138
T00193	Genetic Analysis of σ2-Adaptin in the Regulation of TGF-β Signaling in Drosophila	Manish Kumar Dwivedi	Dr. Vimlesh Kumar	May-2020	Biological Sciences	xiv, 108
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T00195	Transport and Spin-Susceptibility Studies in Silicene and Dynamics of Impurity in Topological Insulator	Surajit Sarkar	Dr. Suhas Gangadharaiah	August-2020	Physics	xix, 129
T00196	Some Problems in Algebraic Coding Theory	Nupur Patanker	Dr. Sanjay Kumar Singh	November-2020	Mathematics	Viii, 117
T00197	Homotopical Stable Ranks of C*-algebras	Anshu	Dr. Prahlad Vaidyanathan	November-2020	Mathematics	Vi, 103
T00198	Role of Environment in Shaping the Innate Immunity During Virus Infection and Autoimmune Diseases	Richa Mishra	Dr. Himanshu Kumar	August-2020	Biological Sciences	xv, 141
T00199	Arabidopsis B-Box Protein BBX32 Integrates Light and Hormone Signals to Optimize Early Seedling Devolopment	Nevedha Ravindran	Dr. Sourav Datta	November-2021	Biological Sciences	xix, 114
T00200	Functionalized Perylene and Terrylene Diimide Derivatives for Panchromatic Absorption: Synthesis, Structure and Properties	RAMPRASAD REGAR	Dr. J. Sankar	May-2020	Chemistry	xviii, 274
T00201	Inflation With an Antisymmetric Tensor Field	Abhilash Padhy	Dr. Sukanta Panda	June-2020	Physics	xvii, 103
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T00203	Localization Phenomena and Entanglement in Certain One-Dimensional Quantum Systems	Nilanjan Roy	Dr. Auditya Sharma	August-2020	Physics	ix, 165
T00204	Investigating the Role of Floral Morphology, Floral Biology, and sympatry in the evolution of the genus Hedychium (Zingiberaceae)	Preeti	Dr. Vinita Gowda	March-2021	Biological Sciences	xvii, 134
T00205	Investigations into Structural Aspects of E. coli Co-chaperone GrpE and Small Molecule Inhibitors in Regulating DnaK Function	Tulsi Upadhaya	Dr. Ishu Saraogi	August-2021	Biological Sciences	Xv, 92

T00206	EhRho6 Mediated Actin Degradation in E. Histolytica and its Implication	Anil Raj Narooka	Dr. Sunando Datta	January-2021	Biological Sciences	xi, 133
T00207	Organocatalytic Synthesis of Isoindolinones via Thioacid Addition and Enantioselective Mannich-Type Reactions	Milon Mohan Sadhu	Dr. Vinod K Singh	March-2021	Chemistry	ix, 219
T00208	Experimental and Theoretical Investigation on Single Molecule Magnets	Arpan Mondal	Dr. Sanjit Konar	March-2021	Chemistry	xx, 226
T00209	Entanglement and Transport Properties of Certain Topological Ladder Systems	Ritu	Dr. Auditya Sharma	June-2020	Physics	xxxvi, 148
T00210	Guanine Nucleotide Analogs Modified at N2- Amine and β-Phosphate: Synthesis and Biological Applications	Bapurao Arjun Bhoge	Dr. Ishu Saraogi	April-2021	Chemistry	Xiii, 238
T00211	Phonons and their Interactions in Complex Oxide Systems	Bmmareddy Poojitha	Dr. Surajit Saha	January-2021	Physics	xxviii, 276
T00212	Exploring the Design and Synthesis of 1,8-Naphthalimide- Based Fluoroprobes for Understanding Lysosomal Properties and Nitric Oxide Generation for Plant Root Growth Regulation	Suprakash Biswas	Dr. Apurba Lal Koner	June-2021	Chemistry	Xii, 158
T00213	Low energy and Ultrafast Dynamics of Correlated Oxides Investigated by Terahertz Spectroscopy	Gulloo Lal Prajapati	Dr. D. S. Rana	June-2021	Physics	xxii,162
T00214	Unconventional Superconducting Properties of Ternary Noncentrosymmetric Superconductors	Sajilesh K P	Dr. Ravi Prakash Singh	January-2021	Physics	Xviii, 122
T00215	Dynamics and Aggregation of active colloids in Different Fluidic Environments	Soudamini Sahoo	Dr. Snigdha Thakur	July-2021	Physics	xxvii, 151
T00216	Lanthanide Complexes for Slow Magnetic Relaxation, Magnetocaloric Effect and Proton Conduction Applications	Siba Prasad Bera	Dr. Sanjit Konar	April-2021	Chemistry	xi, 149
T00217	Nitrogen Containing Nonplanar Conjugated Organic Materials: Self-Assembly Driven Tunable Emission	Himanshu Aggarwal	Dr. Aasheesh Srivastava	January-2021	Chemistry	Xiv, 161
T00218	Ambient Aerosols over Bhopal and Combustion Source Emissions: Thermal-Optical Fractions, δ13C Values, Biological Constituents, and Source Apportionment of PM2.5 Total Carbon	Shilpi Samiksha	Dr. Ramya Sunder Raman	January-2021	Earth and Environmental Sciences	Xiii, 155

T00219	First-Principles Study of Methane Conversion and Water Oxidation by Earth-abundant Transition Metal-Based Catalysts	Manish Kumar	Dr. Varadharajan Srinivasan	July-2021	Chemistry	xxvi, 163
T00220	Weighted and Unweighted Lp Estimates for Multilinear Spherical Averages, Maximal Functions and Bochner–Riesz Means	Kalachand Shuin	Dr. Saurabh Shrivastava	January-2021	Mathematics	xiii, 117
T00221	Mycobacterial Infection Instigates Mitophagy Mediated Metabolic Reprogramming of Immune Cells	Ranjeet Singh Mahla	Dr. Himanshu Kumar	January-2021	Biological Sciences	xvii, 79
T00222	Non-Nature TRNA Analogs for Site-Specific Protein Modification	Purnima Mala	Dr. Ishu Saraogi	November-2021	Biological Sciences	xviii, 114
T00223	Understanding the mechanism behind phage resistance by mpr and its role in survival of Mycobacterium smegmatis	Surya Pratap Seniya	Prof. Vikash Jain	Jun-21	Biological Sciences	xii, 100
T00224	Deciphering the physiological relevance and molecular properties of Mycobacteriophage D29 Holin	Varun Rakeshbhai Bavda	Dr. Vikas Jain	Jul-21	Biological Sciences	xvi,114
T00225	Sign changes of Fourier coefficients of certain automorphic forms	Prashant Tiwari	Dr. Karam Deo Shankhadhar	Mar-22	Mathematics	xi,69
T00226	Homogeneous multipliers on Heisenberg groups and pseudo-multipliers for Grushin operators	Riju Basak	Dr. Rahul Garg, Dr. Saurabh Shrivastava	Mar-22	Mathematics	ix,170
T00227	On Unitary Matrix Models and Their Applications in Gauge theory and Representation theory	NEETU	Dr. Suvankar Dutta	Jul-21	Physics	xiv,156
T00228	Biochemical and cellular characterization of the interaction between ARL5B and HSC70	Ebsy Jaimon	Dr. Sunando Datta	Jun-21	Biological Sciences	xiv,128
T00229	Syntaxin7 (STX7) contributes to breast cancer cell invasion by regulating invadopodia associated activity	Sameena Parveen	Dr.Sunando Datta	Dec-21	Biological Sciences	Xiii, 145
T00230	Mechanistic insights into yeast cytotoxic sensitivity to natural anticancer molecule, Cantharidin	Swati Swagatika	Prof. Raghuvir S. Tomar	Aug-21	Biological Sciences	xiv, 121

T00231	Carbon Based Materials and their Composites for Supercapacitors and CO2 capture: Towards Real Time Applications	Aditi Barua	Dr. Amit Paul	Jul-21	Chemistry	xiii, 138
T00232	Structure Property Correlation in Molecular Crystals	Rohit Bhowal	Dr. Deepak Chopra	Jul-21	Chemistry	xiv, 212
T00233	Theoretical Investigation of Photo-Induced Excited State Phenomena in Self-Repair and UV Photoprotection of DNA	Satyajit Mandal	Dr. Varadharajan Srinivasan	Jul-21	Chemistry	xxii, 154
T00234	Organocatalytic Asymmetric Synthesis of Dihydroisoquinoline, Tetrahydropyridine, Benzo-spiroketal and Benzo-oxaspirononane	Tarun Kumar Roy	Dr. Prasanta Ghorai	Sep-21	Chemistry	xiii, 272
T00235	Insights into the physiological relevance of SUMOylation in host-parasite interaction and nucleoporin functionality	Sajeev T. K.	Dr. Ram Kumar Mishra	Mar-22	Biological Sciences	xvi,138
T00236	Understanding metabolic remodeling in Mycobacterium smegmatis to overcome energy exigency and reductive stress under energy-compromised state	Varsha Patil	Dr. Vikas Jain	Jul-21	Biological Sciences	xiv, 177
T00237	Transition-Metal Mediated C-H Functionalizations of Isoxazoles in N-Heterocycle Synthesis	Pravin Kumar	Prof. Manmohan Kapur	Jul-21	Chemistry	xiv, 281
T00238	Metallo-Organic Coordination Assemblies (MOCAs): Design and Application in Electrochromic Energy Storage Devices and Wastewater Treatment	Satya Ranjan Jena	Dr. Joyanta Choudhurry	Oct-21	Chemistry	X, 139
T00239	Understanding the hot-season Heatwave Dynamics over India: Present and Future	Aditya Kumar Dubey	Dr. Pankaj Kumar	Oct-21	Earth and Environmental Sciences	XXV, 174
T00240	Synthesis of Phenolic Organoseleniums: Biological and Electrocatalytic Applications	Aditya Upadhyay	Professor Sangit Kumar	Mar-22	Chemistry	xii,220
T00241	Small Molecule Approach Towards Detection and Inhibition of Insulin Amyloidogenesis	Anirban Das	Dr. Ishu Saraogi	Mar-22	Chemistry	xix, 120
T00242	Probing Structural, Thermal and Mechanical Diversity in Molecular Crystals	Avantika Hasija	Dr. Deepak Chopra	Mar-22	Chemistry	xiv, 218
T00243	Spectroscopic and Microscopic Investigations of Luminescent Metal Nanoclusters	Subhajit Chakraborty	Dr. Saptarshi Mukherjee	Mar-22	Chemistry	Xii, 146

T00244	Exploring Molecular 'Pd(II)-NHC'-based Homogeneous and Heterogeneous Catalysts for Oxidative Arene C–H Functionalization	Tanmoy Mandal	Dr. Joyanta Choudhurry	Nov-21	Chemistry	xiii, 240
T00245	Understanding drought dynamics and variability over India in the changing climate scenario with uncertainty assessment	MD. Saquib Saharwardi	Dr. Pankaj Kumar	Nov-21	Earth and Environmental Sciences	xxii,177
T00246	Superconductivity in Materials with Strong Spin-Orbit Coupling	Manasi Mandal	Dr. R.P. Singh	Aug-21	Physics	xix,141
T00247	Investigating the role of histone H3 and H2A Nterminal tail residues in regulating stress responses in Saccharomyces cerevisiae	Sakshi Singh	Dr. R.S. Tomar	Oct-21	Biological Sciences	xv ii, 194
T00248	Asymmetric Total Synthesis of Indolosesquiterpene Alkaloids	Gavit Vipin Rajendra	Prof. Aasheesh Srivastava & Prof. Alakesh Bisai	Jun-22	Chemistry	XX, 216
T00249	Search for Time Reversal Symmetry Breaking in Unconventional Superconductors	Arushi	Dr. Ravi Praksh Singh	Nov-21	Physics	xxi, 150
T00250	The effect of magnetic field and phase transition on the structure and emission of a neutron star	Debojoti Kuzur	Dr. Ritam Mallick	Nov-21	Physics	xvii, 153
T00251	Geodynamics of Dhule-Nandurbar Deccan (DND) dyke swarm emplacement: Paleomagnetic, rock magnetic and magnetic fabric investigations	Ayanangshu Das	Dr. Jyotirmoy Mallik	Nov-21	Earth and Environmental Sciences	xiii, 209
T00252	An integrated, mineralogical, geochemical, and geochronological investigation from the Lesser Himalayan Crystalline Sequences and their implications in Precambrian supercontinent assembly	Hifzurrahman	Dr. Pritam Nasipuri	Apr-22	Earth and Environmental Sciences	Xiii, 174
T00253	Nonstable K-Theory For C -Algebras	Apurva Seth	Dr. Prahlad Vaidyanathan	Jan-22	Mathematics	ix, 114
T00254	Emerging Coherent and Incoherent Phenomena in Metal Halide Perovskites	Megha Shrivastava	Dr. Adarsh K.V.	Jul-22	Physics	xxvii,159

T00255	CMB Anisotropy Signal Reconstruction and Angular Power Spectrum Estimation from Multi-frequency Observations	Ujjal Purkayastha	Supervisor- Dr. Rajib Saha	Aug-22	Physics	xxiv, 155
T00256	Cysteine directs precision engineering of lysine in peptides and proteins	Neelesh Chandrakant Reddy	Supervisor-Dr. Vishal Rai	May-22	Chemistry	xiii,220
T00257	A model-independent CMB component separation and a non-parametric method to investigate non-Gaussianity in CMB maps	Sarvesh Kumar Yadav	Supervisor- Dr. Rajib Saha	Jan-22	Physics	xxxx,154
T00258	Tuning extraordinary anisotropic magnetoresistance in CaMnO3/CaIrO3 superlattice thin films	Suman Sardar	Supervisor- Prof. Dhanvir Singh Rana	Mar-22	Physics	xx,106
T00259	Exploring Homogeneous Transition Metal-Based CO_2 Reduction Catalysis *via* Transfer Hydrogenation and Electrochemical Routes	Abhishek Kumar	Supervisor- Prof. Joyanta Choudhury	Jul-22	Chemistry	xiii,169
T00260	Exploring Catalytic Rollover π-Extension Strategy on Azole/Azolium Platform: Rapid Access to Functional Planar and Helical Polycyclic Heteroaromatics	Pirudhan Karak	Supervisor- Prof. Joyanta Choudhury	Aug-22	Chemistry	xiii,245
T00261	Stabilizing Bimodal Planar Linear Switched Systems	Swapnil Tripathi,	Supervisor- Dr.Nikita Agarwal	May-22	Mathematics	ix,171
T00262	Conformation and dynamics of polyelectrolytes under non-equilibrium forces	Keerthi Radhakrishnan	Supervisor- Dr. Sunil Pratap Singh	Jun-22	Physics	xxix,212
T00263	Role of atypical Rho GTPase in innate immunity during microbial infections	Akhilesh Kumar	Supervisor- Prof. Himanshu Kumar	Jul-22	Biological Sciences	xvi,91
T00264	Dissecting the activator role of a general repressor complex, Tup1-Cyc8 in the cellular homeostasis maintenance under environmental stress conditions and the MAPK Hog1 mediated regulation of yeast flocculation	Ramesh Kumawat	Supervisor- Prof. Raghuvir Singh Tomar	Jul-22	Biological Sciences	xiv,123
T00265	Modular and Residue-Specific Precision Engineering of Native Proteins	Tularam Sahu	Supervisor- Dr. Vishal Rai	Apr-22	Chemistry	xii,156
T00266	Intercepting mycobacterial growth by understanding structural and functional dynamics of D29 phage lysin proteins	Gokul Nair	Supervisor- Dr.Vikas Jain	Dec-22	Biological Sciences	xvii, 185
T00267	Genetic and Molecular Characterization of ASAP (ArfGAP with SH3 domain, ankyrin repeat and PH domain) Protein in Drosophila melanogaster	Shikha Kushwaha	Supervisor- Dr. Vimlesh Kumar	Nov-22	Biological Sciences	xvii,162
T00268	Antisense PNA Mediated Inhibition of Bacterial Signal Recognition Particle System: A Novel Antibacterial Target	Snehlata Saini	Supervisor- Dr. Ishu Saraogi	Sep-22	Biological Sciences	xviii,98

T00269	Interplay of Wg-TOR-Yki in the regulation of cell proliferation in the Drosophila wing epithelium	Viniti Tomar	Supervisor- Dr. Varun Chaudhary	Dec-22	Biological Sciences	xxvi,121
T00270	Stereoselective Intramolecular Umpolung Cascade Cyclization towards the Synthesis of Substituted 1-Indanones	Suman Sar	Supervisor- Prof. Prasanta Ghorai	Jan-23	Chemistry	xiv,261
T00271	Exorcising Ostrogradsky Ghost in Modified Gravity Theories	Pawan Joshi	Supervisor- Prof. Sukanta Panda	Jun-22	Physics	xiii,142
T00272	Asymmetric Total Syntheses of Amaryllidaceae Alkaloids with 5,10b-Ethanophenanthridine Skeleton	Abhinay Yadav	Supervisor- Prof. Aasheesh Srivastava and Prof. Alakesh Bisai	Oct-23	Chemistry	xxiii,205
T00273	Exploring Temperature and Pressure Induced Structural Transitions in Organic and Hybrid Crystals	Sayan Maity	Supervisor- Dr. Varadharajan Srinivasan	Jan-23	Chemistry	xxxiii,224
T00274	Investigation of molecular components involved during LPA mediated signalling in *Entamoeba histolytica*	Achala Apte	Supervisor- Dr. Sunando Datta	Jun-22	Biological Sciences	x,114
T00275	Role of B-box containing microproteins miP1b/BBX30 and miP1a/BBX31 in regulating ABA-mediated post-germination seedling growth arrest	Deeksha Singh	Supervisor- Dr. Sourav Datta	Mar-23	Biological Sciences	xvi,82
T00276	Biochemical and functional characterization of SNX32: implication in neuronal differentiation	Jini Sugatha	Supervisor- Dr. Sunando Datta	Apr-22	Biological Sciences	xiii,177
T00277	Role of BBX11 in optimizing seedling greening and UV-B stress tolerance	Nikhil Job	Supervisor- Dr. Sourav Datta	May-23	Biological Sciences	xiv,88
T00278	Study of the copper driven perturbation of the secretory pathway and mutated H3 residue mediated acetic acid stress induction in *Saccharomyces cerevisiae*	Nitu Saha	Supervisor- Prof. R S Tomar	Jan-23	Biological Sciences	xv,110
T00279	Phylogenetic and biogeographic approaches to understand the diversification of the Asian genus Didymocarpus wall (Gesneriaceae)	Prasanna NS	Supervisor- Dr. Vinita Gowda	Jun-23	Biological Sciences	xvi,124
T00280	Transforming intrinsically porous molecules into extended network solids for molecular separation	Arkaprabha Giri	Supervisor- Dr. Abhijit Patra	Apr-22	Chemistry	xvi,170
T00281	Multifunctional NHC Ligand-Based Ir and Ru Complexes Toward Hydride Transfer Catalysis on N-Heteroarene and CO_2/HCOOH Platform	Babulal Maji	Supervisor- Prof. Joyanta Choudhury	Aug-22	Chemistry	xiv,211

T00282	1,2-Difunctionalization of Alkenes Under Au(I)/Au(III) Redox Catalysis	Chetan Chandrakant Chintawar	Supervisor- Dr. Nitin T. Patil	Jul-22	Chemistry	xv,287
T00283	Linchpin-directed precision labeling of native proteins	Kalyani Thakur	Supervisor- Dr. Vishal Rai	Jul-22	Chemistry	xiii,345
T00284	Deciphering Structural and Dynamic Consequences of Natural Chemical Modifications in DNA Duplex	Manjula Jaisal	Supervisor- Dr. Bharathwaj Sathyamoorthy	Jul-22	Chemistry	xiii,213
T00285	Transition Metal-Catalyzed C−H Bond Functionalization via Carbene Migratory Insertion	Nandkishor Prakash Khot	Supervisor- Dr. Manmohan Kapur	Aug-22	Chemistry	xiv,295
T00286	Exploration of self-assembly, fluorescence sensing and excited-state dynamics with peryleneimide and pyrene-based organic architectures	Rupam Roy	Supervisor- Dr. Apurba Lal Koner	Dec-22	Chemistry	xv,262
T00287	Function-led Design and Deciphering the Molecular Self-assembly of π-conjugated Fluorophores	Subhankar Kundu	Supervisor- Dr. Abhijit Patra	Sep-22	Chemistry	xiv,168
T00288	Exploring the stress-induced changes in metabolism, micropolarity, and organelle communication using small molecule fluorescent probes	Tanoy Dutta	Supervisor- Dr. Apurba Lal Koner	Mar-23	Chemistry	xi,156
T00289	Predictability of North Indian Ocean Tropical Cyclones using 4DVar data assimilation technique and their future projections	Gaurav Tiwari	Supervisor- Dr. Pankaj Kumar	Jul-22	Earth and Environmental Sciences	xxix,187
T00290	Metacyclic actions on surfaces	Apeksha Sanghi	Supervisor- Dr. Kashyap Rajeevsarathy	Apr-22	Mathematics	xv,78
T00291	Ultrafast Nonlinear Optical Response and Exciton Dynamics in Transition Metal Dichalcogenide and Chalcogenide Glasses	Dipendranath Mandal	Supervisor- Prof. Adarsh K.V.	Jan-23	Physics	xxiv,154
T00292	Magneto-terahertz response of quasiparticle electrodynamics in complex oxides	Rahul	Supervisor- Prof. Dhanvir Singh Rana	Nov-22	Physics	xx,120
T00293	Thermocapillary E ect in Liquid Bridges	Aadil Hashim Saifi	Supervisor- Dr. Manoj Kumar Tripathi	Oct-22	Chemical Engg.	xvi,117
T00294	Analysis, Mitigation of Leakage Mechanisms in Planar MOS Devices and Incorporation of Performance Improvement Methodologies	Harshit Kansal	Supervisor- Dr. Varadharajan Srinivasan	Jul-22	EECS	xxviii,130

T00295	Multipopulation analyses using metagenomics and metabolomics reveal roles of human gut microbiome in carbohydrate metabolism and mouth-gut axis	Vishnu Prasoodanan P K	Supervisor- Dr. Vineet K. Sharma	May-22	Biological Sciences	xxix,209
T00296	Copper Assisted Synthesis of Organochalcogens: Their Catalytic Role in Synthestic Oxidation Reactions and Application in Biology	Monojit Batabyal	Supervisor- Prof. Sangit Kumar	Feb-23	Chemistry	xiii,316
T00297	Rh-Catalyzed Annulation Reactions of Enaldiazo Compounds: Construction of N/O/S Heterocycles	Pratap Kumar Mandal	Supervisor- Dr. Sreenivas Katukojvala	May-23	Chemistry	xiii,260
T00298	Transition Metal-Catalyzed Reactions of Diazoenals: Construction of 5- 7 Membered Nitrogen Heterocycles	Laxman Anandrao Thorbole	Supervisor- Dr. Sreenivas Katukojvala	May-23	Chemistry	xii,218
T00299	A geochemical perspective on the land-ocean interactions in the Gulf of Cambay basin, India: Implications to regional environmental issues	Abul Qasim	Dr.Satinder Pal Singh	Dec-22	Earth and Environmental Sciences	xxvi,156
T00300	Geochemical, phase-petrological, and geochronological study of Banded Iron Formation and K-rich granites from Bundelkhand Craton, North-Central India, and their implications in Precambrian Tectonics	Mohd Baqar Raza	Dr. Pritam Nasipuri	Sep-22	Earth and Environmental Sciences	xiii,191
T00301	Tailoring the Phonon Environment of Embedded Rydberg Aggregates	Sidharth Rammohan	Dr. Sebastian Wuster	Nov-22	Physics	xvi,178
T00302	Spectroscopic Investigation of Protein Dynamics, Probe-Nucleic Acids Interaction and Generation of Artificial Bioinspired Light Harvesting System	Atanu Nandy	Prof. Saptarshi Mukherjee	Dec-22	Chemistry	xv,181
T00303	Guest responsive spin-state switching in Fe(II)-based Hofmann-type coordination polymers via multiple external stimuli	Dibya Jyoti Mondal	Prof. Sanjit Konar	Mar-23	Chemistry	xii,177
T00304	Unified Approach to Rearranged Dimeric Cyclotryptamine Alkaloids: Asymmetric Total Syntheses of (-)-Chimonanthine, (-)-Folicanthine & (+)-Calycanthine	Kundan Shaw	Supervisor- Prof. Aasheesh Srivastava and Prof. Alakesh Bisai	Jul-22	Chemistry	xxi,335
T00305	Spectroscopic and Calorimetric Investigations of Protein-drug and DNA-small Molecules Interaction	Laxmikanta Khamari	Prof. Saptarshi Mukherjee	Nov-22	Chemistry	xiii,146
T00306	Modification of graphitic materials for energy and environmental applications	Palak	Dr. Amit Paul	Sep-22	Chemistry	xvi,224

T00307	Gold-Catalyzed 1,2-Difunctionalization of Alkynes	P. Shashank Sancheti	Dr. Nitin T. Patil	Nov-22	Chemistry	xxii,195
T00308	Unified Approach to the Amaryllidaceae Alkaloids Sharing cis-3a Octahydroindoline,5,10b-Ethanophenanthridine and Dihydrobenzofuran Scaffolds: Total Syntheses of (-)-2- Oxomesembrenone, (-) Oxomaritidine, (-	Satyajit Majumder	Prof. Aasheesh Srivastava and Prof. Alakesh Bisai	Jul-22	Chemistry	xxii,297
T00309	Structure and Dynamics of Proteins in Presence of External Molecules: Experimental and Theoretical	Ushasi Pramanik	Prof. Saptarshi Mukherjee	Nov-22	Chemistry	xvi,152
T00310	Spatiotemporal analysis of observed and projected precipitation extremes over India	Amita Kumari	Dr. Pankaj Kumar	Aug-22	Earth and Environmental Sciences	xx,165
T00311	Quantification of azimuth & magnitude of recent crustal stresses & their accumulation in initiating landslides and active faults by FEMR technique	Shreeja Das	Dr. Jyotirmoy Mallik	Aug-22	Earth and Environmental Sciences	xxiv,211
T00312	Eco-geomorphic assessment of the Ganga River	Gaurav Kailash Sonkar	Dr. Kumar Gaurav	May-23	Earth and Environmental Sciences	xxiii,143
T00313	Superconductivity in High Entropy Alloys	Kapil Motla	Dr. Ravi Prakash Singh	Jul-22	Physics	xvi,105
T00314	Implications of shock wave in inertial confinement fusion and phase transition in neutron stars and magnetars	Shailendra Singh	Dr. Ritam Mallic	Jun-22	Physics	xix,150
T00315	Production of Alternative Fuels: A Process Development and Intensification	Bablu Alawa	Dr. Sankar Chakma	May-23	Chemical Engg.	xxxi,382
T00316	Enhancing CRISPR/Cas9 Genome Editing and Lentiviral Gene Delivery to Defined Cells: Implications for Therapeutics and Diagnostics	Tarun Mishra	Dr. Ajit Chande	May-22	Biological Sciences	xxiii,165
T00317	Ligand-Enabled Gold-Catalyzed 1,2-Difunctionalization of Alkenes and C(sp2)-S Cross-Coupling Reactions	Tathe Akash Gitaram	Dr. Nitin T. Patil	Dec-22	Chemistry	xv,225
T00318	On the utility of precipitation forecast products, hydrological models, and multi-model approaches for streamflow forecasting	Ankit Singh	Dr. Sanjeev Kumar Jha	Nov-22	Earth and Environmental Sciences	xxi,260
T00319	Studying Phase Transition in Neutron Star and its Observational Signatures	Prasad R	Dr. Ritam Mallick	Nov-22	Physics	xviii,144
T00320	Characterization and Discrete Fracture Network Modeling (DFN) of coal fractures: Implications on permeability ‘sweet-spotting’	Krishanu Bandyopadhyay	Dr. Jyotirmoy Mallick	Jan-23	Earth and Environmental Sciences	xxvi,184