Poster Session

P1	Sayan Ghosh and Gopalan Rajaraman			
	Computational Studies on Dioxygen Activation and Autocatalytic O_2 Cleavage by a Trianionic Pincer Cr(III) Complex			
P2	Pratibha P. Ghodke, Pradeepkumar P. I. Chemical synthesis of damaged DNAs to study structure and function of Y-family polymerases			
Р3	Areti Sivaiah, Rama Krishna Chilukula and Chebrolu. P. Rao Glucopyranosyl conjugate of anthraquinone linked through thiourea in the recognition of Hg^{2+} and F^- by turn on the fluorescence			
P4	Sheri Madhu, Lakshmi Vellanki and Mangalampalli Ravikanth Brightly Fluorescent Boron Dipyrromethene Dyes			
P5	<u>Subrata Tewary</u> and Gopalan Rajaraman Theoretical Perspectives on Redox "Non-innocent" Oxazolidine-N-oxide Iron and Cobalt Nitroxide Complexes			
P6	Rashmi Tambe Shukla and Yellamraju U. Sasidhar Conformational Dynamics Study of the Free Antigenic Peptide from Influenza Hemagglutinin and its Bound-Form with Antibody using Molecular Dynamics Simulations: Implications for the Role of Turns in Protein Folding and Peptide Immunogenicity			
P7	Pullaiah Kattanguru and Rodney A. Fernandes Towards a Protecting-Group-Free Synthesis of (+)-Cardiobutanolide and Hagen's Gland Lactones			
P8	D. G. Vanga and K. P. Kaliappan Synthesis of Angucycline Antibiotics			
P9	Avanish Dvivedi and Mangalampalli Ravikanth Sn(IV) Porphyrin based Multiporphyrin Architectures: One pot synthesis using complimentary bonding approach and studies			
P10	Arun K. Pal, Shekhar Hansda, and Sambhu N. Datta Theoretical Investigation of Stilbene as Photochromic Spin Coupler			
P11	Hemlata Agarwala and G. K. Lahiri Four-Center Oxidation State Combinations and Near-Infrared Absorption in $[Ru(pap)(Q)_2]^n$, $Q = 3,5$ -Di-tert-butyl-N-aryl-1,2-benzoquinonemonoimine and pap = 2-Phenylazopyridine			
P12	Prasenjit Mondal and G. K. Lahiri Experimental and DFT Evidence for Fractional Non-innocence of a β-Diketonate Ligand			
P13	Mohd. Tauqeer, S. M. Mobin, Pradeep Mathur, G. K. Lahiri Metal Carbonyl Mediated Transformation of Tellurium Based Ligands			
P14	Abhinav Raghuvanshi , Pradeep Mathur , Shaikh M. Mobin			

Reaction of Ruthenium phenyl acetylide with Iron-chalcogen clusters and Iron pentacarbonyl

P15	<u>Pratap Vishnoi</u> and Ramaswamy Murugavel 1,3,5-Tris(4'-aminophenyl)benzene as a supramolecular sensor for polynitroaromatics; solid and solution phase studies			
P16	<u>Debasree Das</u> , Anindya Datta, A.Q. Contractor Study of electrochemically tuned transport through a polyaniline membrane at two different pH levels			
P17	Yogesh G. Shelke, S. RajaBhushanReddy, Santosh J. Gharpure Diversity Oriented Synthesis of Benzoxepines, Isochromenes and Naphthalenes from Chlorovinylogous Carbonates			
P18	D. K. Sharma and A. Chowdhury Morphological evolution of Nafion thin films with changing moisture content: An insight using single molecule rotational dynamics			
P19	Soumadwip Ghosh, Bikash K. Sikder, Rekha Singh, Anil Kumar Aqueous Dispersible Powder of Poly(3,4-Ethylenedioxythiphene)			
P20	Manishkumar A. Chaube, Suvarn S. Kulkarni Studies Towards Total Synthesis of Oligosaccharide OSE-1 of Mycobacterium gordonae (Strain 990)			
P21	Shekhar Hansda, Tumpa Sadhukhan, Arun K. Pal and Sambhu N. Datta Density Functional Investigation of Electronic and Magnetic Structures of MnAs, MnSb and MnBi			
P22	<u>Pradnya H. Patil</u> , Asim K. Chowdhury and Rodney A. Fernandes Total Synthesis of (+)-Murolic Acid			
P23	<u>D. Anuradha</u> , J.V.K.Prasad, P. Srinivasa Rao and Santosh J.Gharpure Stereoselective Synthesis of Morpholines and 1,4-Oxathianes using Reductive Etherification Reaction			
P24	A. B. Sajad and M. S. Balakrishna Biphosphines with heterodonor ligands based on bis(imidazol-1-yl) and bis(pyrazol-1-yl)methane backbone: Synthesis and transition metal chemistry			
P25	Someswara Rao Sanapala, Suvarn S. Kulkani Total Synthesis of the L-Aspargine linked Hexasaccharide from Methanothermus fervidus			
P26	A. P. Prakasham, Rao. M. N., Gangwar. M, Thierry Roisnel, Christophe Darcel, Presenjit Ghosh Synthesis and Characterization of Fe-NHC complexes			
P27	<u>Chandni Pathak</u> and Prof. Prasenjit Ghosh Synthesis of small molecule analogues of metalloenzymes			
P28	Sangeeta Yadav, Harkesh B. Singh, and Ray J. Butcher Reactivity of Dihaloselenones: Synthesis of Cationic Diselenties and Metal Halide Adducts			

P29	<u>Chinmoy Das</u> and Maheswaran Shanmugam 4f based Magnetic Refrigerants			
P30	<u>Venkati</u> and Rodney A. Fernandes A Chiral Pool Based Synthesis of (+)- and (-)-Disparlure			
P31	<u>Saaz Sakrikar</u> , Harikrishna, S, Pradeepkumar, P. I. Structure Based Virtual Screening for the Discovery of Selective G-quadruplex Binding Fragments			
P32	Mir Irfanullah, Arindam Chowdhury Photoluminescence Dynamics of Eu(III) Complex with 9-Oxidophenalenone Near Single Molecule Levels			
P33	Anand K. Gupta, Harkesh B. Singh and Ray J. Butcher Novel Selenium and Tellurium Derivatives of NCN-Pincer Ligand			
P34	<u>Venuka Durani Goyal</u> , Deepanshu Choudhary, Ajay Singh Tanwar, Ruchi Anand <u>Probing the molecular mechanism of catalytic coupling and ammonia channeling in the</u> <u>PurL protein using statistical coupling analysis</u>			
P35	Ajay Singh Tanwar and Ruchi Anand Insights into Channeling of Unstable Intermediates in Purine Biosynthetic Pathway			
P36	SoumenGhosh, Saurabh Kumar Singh and Gopalan Rajaraman TD-DFT calculations: A potential theoretical tool in understanding the properties of the mixed valence complexes			
P37	Tarun Kumar, Shaikh M. Mobin and Irishi N. N. Namboothiri Regiospecific Synthesis of Arenofurans via Cascade Reactions of Arenols with Morita- Baylis- Hillman Acetates of Nitroalkenes and Total synthesis of Isoparvifuran			
P38	Mane Vaijinath, Pramod A. Shanbhag, Chinmay Hazra, Irishi N. N. Namboothiri Applications of Rauhut-Currier adducts of nitroalkenes for the synthesis of highly substituted furans and decalins			
P39	Anjali Dhir, Anindya Datta The potential of silica nanostructures as scaffolds for construction of light harvesting nanoantennae			
P40	Ramya.C, Arunasish Layek, Arindam Chowdhury Synthesis and Spectrally Resolved Single Particle Photoluminescence Imaging of CdS Quantum Dots			
P41	Apoorva Upadhyay and Maheswaran Shanmugam Influence of geometry on the anisotropy of lanthanide metal complexes			
P42	Atanu Modak, Naveen Togati and Debabrata Maiti A General and Efficient Defromylation and Dehydroxymethylation Reaction using Pd(OAc) ₂ as Precatalyst			
P43	Arghya Deb, Srimanta Manna and DebabrataMaiti Iron-Catalyzed Direct C-H Arylation of Heterocycles and Quinones with Arylboronic Acid			
P44	Ritambhara Jangir and R.Murugavel			

Synthesis of organo	imido derivative	s of polya	oxometalates
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- P45 <u>V.V. Sreenivasu Mummidivarapu</u>, Anita Nehra, Vijaya Kumar Hinge and Chebrolu P. Rao *Calix*[6]arene conjugate as sensor for La³⁺ and its complex for F
- P46 Mayank Kumar Dixit, B. L. Tembe

 Solvation Structures and Dynamics of Magnesium Chloride (Mg2+-Cl-) Ion-Pair in

 WaterEthanol Mixtures
- P47 Sohidul Mandal, G.N. Patwari
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 Mati Spectroscopy of Fluorophenylacetylenes