24th ISCB International Conference (ISCBC-2018)

Frontier Research in Chemistry & Biology Interface

January 11-13, 2018

Jointly Organized by
Indian Society of Chemists & Biologists, Lucknow, India
Manipal University Jaipur, Jaipur, India
at
Manipal University Jaipur, Jaipur, India

SCIENTIFIC PROGRAMME

Thursday, January 11, 2018

9.00 AM - 10.30 AM	**Registration**	
10.30 AM - 12.00 PM	**Inaugural Session**	
10:30AM	Arrival of Guests	
10:35AM	Deep Pragatya and Ganesh Vandana and Floral Welcome	
10:40AM	Welcome Address	**Prof. Vandana Suhag, Registrar, MUJ & Chairman, ISCBC-2018**
10.45 AM	About Manipal Group	**Prof. K. Ramnarayan, Chairperson, MUJ**
10:50AM	Introduction to ISCB	**Dr. P.M.S. Chauhan, Gen. Secretary ISCB**
11:00AM	Presidential Address	**Prof. Anamik Shah, President ISCB**
11:10AM	About Manipal University Jaipur	**Prof. Sandeep Sancheti, President, MUJ**
11:15AM	ISCB Award Distribution	
11:30AM	Address by Chief Guest	**Dr. Girish Sahni, Secretary, DSIR and DGCSIR**
11:40AM	Address by Guest of Honour	**Prof. M.M. Sharma, Institute of Chemical Technology, Mumbai** **Pangs of process development and linkages of chemistry with biology & material science**
11:45AM	Keynote Lecture	
12:15 PM	Vote of Thanks	**Prof. Babita Malik, Convenor, ISCBC-2018**

12.20 PM - 12.30 PM	**High Tea**

Session – I

Chairperson: Prof. Fraser Fleming,

PL-1 12.30 PM - 1.00 PM	**Girolamo Cirrincione** Professor of Medicinal Chemistry, University of Palermo, Pro Rector for Research, Palermo, Italy **Marine Alkaloid Analogs Inhibit Kinases and Growth of Cancer Stem Cells**
1.00 PM - 2.00 PM	**Lunch**
ISCB Award Lectures 2.00 PM - 2.25 PM	**Janez Plavec (ISCB Pof. Jyoti Chatterji Prize for Excellence-2018)** Head of Slovenian NMR center, National Institute of Chemistry, Hajdrihova 19, SI-1000 Ljubljana, Slovenia **NMR studies of G-rich DNA fragments that fold into G- and AGCGA-quadruplexes**
2.25 PM - 2.50 PM	**A. K. Ganguly (ISCB Excellence Award 2018)** Director, INST, Mohali, India **Abstract Awaited**
2.50 PM - 3.05 PM	**Rajneesh Mishra (ISCB Young Scientist Award 2018)** Associate Professor, Indore, India **Abstract Awaited**
3.05 PM - 3.20 PM	**Vijay Kumar Prajapati (ISCB Young Scientist Award 2018)** Assistant Professor, Department of Biochemistry, School of Life Sciences, Central University of Rajasthan, Ajmer, India **Abstract Awaited**
3.20 PM - 3.35 PM	**Vinita Chaturvedi (ISCB Distinguish Women Scientist Award 2018)** Senior Principal Scientist, Biochemistry Division, Central Drug Research Institute, Lucknow, India **Abstract Awaited**
3.35 PM - 3.50 PM	**Mahesh C. Sharma (ISCB Best Teacher Award 2018)** Associate Professor, Convener, Board of Studies in Chemistry, Natural Products Laboratory, Centre for Advanced Studies Department of Chemistry,University of Rajasthan, Jaipur, Rajasthan, India **Abstract Awaited**
3.50 PM - 4.05 PM	**Dharmendra Singh (ISCB Best Thesis Award 2018)** IIT Madras, Chennai, India **Abstract Awaited**
4.05 PM - 4.30 PM	**Tea**

Parallel Session – II A

Chairpersons: Prof. Jyoti Chattopadhyaya, Prof. A.K. Sinha

PL-2 4.30 PM - 5.00 PM	**Barbara Zajc** Department of Chemistry and Biochemistry, The City College of New York, New York, USA **Synthesis of Regiospecifically Fluorinated Polycyclic Aromatic Hydrocarbons and Influence of Fluorine Atom**
PL-3 5.00 PM -5.30 PM	**S. Chandrasekhar** Director, CSIR-Indian Institute of Chemical Technology, Hyderabad, India **Abstract Awaited**
PL-4 5.30 PM - 6.00 PM	**Anil Kumar Singh** IIT Mumbai, Former Vice Chancellor, University of Allahabad, India **Understanding Retinal-Bound Photoreceptors through Bioorganic Chemistry**
IL-1 6.00 PM - 6.20 PM	**Arun K. Sinha** Chief Scientist and Professor (AcSIR), Medicinal and Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow, India **Natural and Unnatural Phenolic Based Small Molecules: Green Chemical Synthesis and their Biological Evaluation**
IL-2 6.20 PM - 6.40 PM	**Lab India Pvt. Ltd.** Lab India Pvt. Ltd., India **Abstract Awaited**

Parallel Session – II B

Chairpersons: Prof. Anil Kumar Singh, Dr. S. J. S. Flora

PL-5 4.30 PM - 5.00 PM	**Fraser Fleming** Professor and Department Head, Drexel University, USA **Strategic Alkylations of Nitriles and "Isonitriles"**
PL-6 5.00 PM - 5.30 PM	**Mahesh K. Lakshman** Department of Chemistry and Biochemistry, The City College of New York, New York, USA **(Diacetoxyiodo)benzene-Mediated Cyclization Reactions of N^6-Aryl and N^6-([1,1'-Biaryl]-2-yl) Adenosine Derivatives**
IL-3 5.30 PM -5.50 PM	**Virinder S Parmar** Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi, India **Development of Novel Polymeric Nanomaterials, Nanocomposites and Dendrons *via* Biocatalytic Routes**
IL-4 5.50 PM - 6.10 PM	**Ashok K Prasad** Professor, Department of Chemistry, University of Delhi, Delhi, India

	Sugar Modification and Its Value Added Application
IL-5 6.10 PM - 6.30 PM	**Dipankar Koley** Scientist, CSIR-Central Drug Research institute, Lucknow **Asymmetric Synthesis of Izidine Alkaloids: Connection between Acetal and Hydroxylactam**

Poster Session –I

Chairpersons: Prof. Desh Deepak, Dr. Jawahar Lal, Dr. Jaybir Sngh, Dr. Rahul Shrivastava

6.30 PM – 7.30 PM	**Poster Number 1 to 130**
7.30 PM – 8.30 PM	**Cultural Programme**
8.30 PM	**Dinner**

Friday, January 12, 2018

Poster Session – II

Chairpersons: Prof. Athina Geronikaki, Dr. Rakesh Shukla, Dr. Jaybir Singh

8.30 AM – 9.30 AM	**Poster Number 131 to 260**

Parallel Session – III A

Chairpersons: Prof. Anamik Shah, Prof. A. K. Goswami

PL-7 9.30 AM - 10.00 AM	**Samir Zard** Professor and former Editor Tetrahedron Letters, Directeur de Recherche CNRS (DRCE) et Professeur à l'École Polytechnique, France **Reversible Reservoirs for Radicals. A Powerful Strategy for the Creation of Carbon-Carbon Bonds**
IL-6 10.00 AM - 10.20 AM	**Sun CHOI** College of Pharmacy & Graduate School of Pharmaceutical Sciences, Ewha Womans University, Seoul, Korea **Exploration of protein motion, allostery, andintramolecular signaling of GPCR, and its implication in drug design**
IL-7 10.20 AM - 10.40 AM	**S. J. S. Flora** Director, National Institute of Pharmaceutical Education and Research (NIPER), ITI Compound, Raebareli 229010, India **Monoisoamyl DMSA, a ray of hope for the treatment of Chronic Arsenicosis-Journey from lab to human trial**
IL -8 10.40 AM - 11.00 AM	**Ashoke Sharon** Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India **Neplanocin Derived Analogs: A potential scaffold as anti-HBV agents**

IL -9 11.00 AM - 11.20 AM	**Bapu B. Shingate (ISCB Best Teacher Award 2018)** Assistant Professor, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India **Ionic hydrogenation-directed stereoselective construction of C-20(H) stereogenic center in steroid side chains: Scope and limitations**
IL -10 11.20 AM -11.40 AM	**Farukh Arjmand** Department Of Chemistry, Aligarh Muslim University, Aligarh, India **Insights to the mechanistic pathway of tailored de novo antitumor Cu(II)/Zn(II) drug candidates: Structure elucidation and biological studies for validation of target sites**
11.40 AM - 11.50 PM	**Tea**

Parallel Session – III B

Chairpersons: Dr. PMS Chauhan, Prof. Victor Kartsev

PL-8 9.30 AM - 10.00 AM	**Jyoti Chattopadhyaya** Professor & Chair, Program of Chemical Biology, Dept. of Cell & Molecular Biology, Uppsala University, Sweden **How RNase HI (E. coli) promoted site-selective hydrolysis works on RNA in duplex with carba-LNA and LNA substituted antisense strands in the antisense strategy?**
IL-11 10.00 AM -10.20 AM	**Sergii Rudiuk** Permanent Researcher, Department of Chemistry, Ecole Normale Supérieure, 75005 Paris, France **NON-COVALENT APPROACHES FOR THE DYNAMIC CONTROL OF DNA AND DNA-BASED MATERIALS**
IL-12 10.20 AM - 10.40 AM	**Gopi Mohan C.** Asso. Professor, Nanosciences, Center for Nanosciences, Kochi, India **Abstract Awaited**
IL -13 10.40 AM - 11.00 AM	**Satpal Singh Badsara** Assistant Professor, Centre of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur, India **Metal Free Syntheses of Thioethers: Reactivity, Scope and Challenges**
IL -14 11.00 AM - 11.20 AM	**Amit Mishra** Assistant Professor, Department of Biology, Indian Institute of Technology Jodhpur, Jodhpur, India **How ProteostasisDefects Contribute In Ageing And Neurodegeneration?**
IL -15 11.20 AM -11.40 AM	**Jawahar Lal** Senior Principal Scientist & Head, Pharmacokinetics & Metabolism Division, CSIR-Central Drug Research Institute, Lucknow, India **Assessment of Bioenhancing potential of Lysergol**

11.40 AM - 11.50 PM	**Tea**

Parallel Session - IV A

Chairpersons: Dr. Rakesh Shukla, Prof. Rajesh Dhakarey

PL-9 11.50 AM - 12.20 PM	**Victor Kartsev** Full member of RANS, Honorary Academician of Russian Academy of Arts, VP, CSO&CEO InterBioScreen, Russia **THIAZOLE AND THIAZOLIDINONE DERIVATIVES OF NATURAL ORIGIN AS ANTIMICROBIAL AGENTS**
IL-16 12.20 PM - 12.40 PM	**Ramesh Babu Boga** BogaR Laboratories LLC, PO Box 1554, Suwanee, GA 30024, USA **Chemical Diversity of Benzimidazoles: Design, Synthesis, and Biological Applications**
IL-17 12.40 PM - 1.00 PM	**Rachna Sadana** Assistant Professor of Biology and Biochemistry, Department of Natural Sciences, University of Houston-Downtown, One Main Street, Houston, TX-77002 **The future of the PhD: A Careers Away from the Bench?**
IL-18 1.00 PM - 1.20 PM	**Namrata Rastogi** Medicinal & Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow 226031, India **SILYL DIAZOENOLATES AS NUCLEOPHILES IN VISIBLE LIGHT PHOTOREDOX CATALYZED MANNICH REACTION**
IL-19 1.20 PM - 1.40 PM	**Yasmeen Pervez** Professor, Dept. of Chemistry, CSIT, Durg, India **Carbonaceous fractions in Indoor Air Due to Burning Activities: Threat to Health and Climate**
1.40 PM - 2.20 PM	**Lunch**

Parallel Session - IV B

Chairpersons: Dr. Manjunath Ghate, Dr. Rakhi Bakshi

IL-20 11.50 AM - 12.10 PM	**Dalip Kumar (ISCB Best Teacher Award 2018)** Department of Chemistry, Birla Institute of Technology and Science, Pilani, India **Nature-inspired Chemical Design and Efficient Syntheses of Drug-like Nitrogen Heterocycles**
IL-21 12.10 PM - 12.30 PM	**Devesh M Sawant** Asst. Professor, Department of Chemistry, School of Chemical Sciences and Pharmacy, Central University of Rajasthan (CURAJ), Bandarsindri, Rajasthan-305817, India **Transition-metal catalyzed novel and sustainable strategies for the synthesis of**

	bioactive heterocycles
IL-22 12.30 PM - 12.50 PM	**R. K. Singh** Division of Toxicology & Experimental Medicine, CSIR-central Drug Research Institute, Lucknow-226031, India **Invention of A New Molecule RISUGadv in India for the Prevention of Prostate Cancer**
IL-23 12.50 PM - 1.10 PM	**Brijesh Kumar** Senior Principal Scientist, Sophisticated Analytical Instrument Facility (SAIF), CSIR-Central Drug Research Institute, Lucknow, India **LC-MS/MS methods to identify characterize and determine bio active phytochemicals and study their variation in *Indian Medicinal* Plants**
IL-24 1.10 PM - 1.30 PM	**Ram Prakash** Senior Scientist, CEERI Pilani, India **Plasma for Chemistry and Biology Interface**
1.30 PM - 2.20 PM	**Lunch**

Parallel Session - V A

Chairpersons: Prof. G.C.Saxena, Dr. K. Deo

PL-10 2.20 PM - 2.50 PM	**Kevin H. Shaughnessy** Professor and Chair, Department of Chemistry, The University of Alabama, Tuscaloosa, AL, USA **FROM MECHANISTIC UNDERSTANDING TO CATALYST APPLICATION: DEVELOPING NEW CATALYSTS FOR BOND-FORMING REACTIONS**
IL-25 2.50 PM - 3.10 PM	**Manoj Kumar** Project Director, DRDL, Hyderabad, India **Abstract Awaited**
IL-26 3.10 PM - 3.30 PM	**Prashanth N Suravajhala** Department of Biotechnology and Bioinformatics, Birla Institute of Scientific Research, Statue Circle, Jaipur 302001, RJ, India **Myths of Identifying Long Non-coding RNAs using Whole Exome Sequencing: Challenges and Perspectives**
O-1 3.30 PM - 3.40 PM	**Poonam** Department of Chemistry, Miranda house, University of Delhi, India **DESIGN AND SYNTHESIS OF FUNCTIONALIZED ORGANIC-INORGANIC HYBRID NANOMATERIALS AND ITS APPLICATION IN ENVIRONMENTALLY BENIGN REACTIONS**
O-2 3.40 PM - 3.50PM	**Shovan Mondal** Assistant Professor, Department of Chemistry, Syamsundar College, Shyamsundar, Burdwan,West Bengal, India

	"Sultam" and "Sultone" chemistry in Modern Research
O-3 3.50 PM - 4.00 PM	**Neetu Bansal** Department of Chemical Engineering, University of Pretoria, Pretoria 0002 **Chromium in Environment, Its Toxic Effect from Chromite Mining and Ferrochrome Industry: South Africa**
4.00 PM - 4.20 PM	**Tea**

Parallel Session - V B

Chairpersons: Prof. G.C. Tikkiwal, Dr. Jyoti Joshi

IL-27 2.20 PM - 2.40 PM	**Anil Kumar** Department of Chemistry, Birla Institute of Technology and Science, Pilani, India **Synthesis of Polyheterocyclic Compounds *via* Transition Metal Catalyzed C-H Functionalization**
IL-28 2.40 PM - 3.00 PM	**Sachin Shymasundar Laddha** Principal, PremlilaVithaldas Polytechnic, SNDT Women's University, Mumbai, India **Phosphodiesterase Enzyme: Promising target for Medicinal Chemist**
IL-29 3.00 PM - 3.20 PM	**Ravi P. Singh** Department of Chemistry, Indian Institute of Technology-Delhi, HauzKhas, New Delhi, India **Transition Metal Catalyzed Dehydrogenative Cross-Coupling: Direct Access to polycyclic Heteroarenes**
O-4 3.20 PM - 3.30 PM	**Zohra Benfodda** University of Nîmes, EA7352 CHROME, Rue du Dr G. Salan, 30021 Nîmes cedex 1, France **Rational design, synthesis and antimicrobial properties of thiophene derivatives that inhibit bacterial histidine kinases**
O-5 3.30 PM -3.40 PM	**Brijesh Rathi** Department of Chemistry, Massachusetts Institute of Technology, Massachusetts Avenue, Cambridge MA 02139 USA **MULTISTAGE INHIBITORS OF MALARIA PARASITE VITAL FOR MALARIA ERADICATION**
O-6 3.40 PM -3.50 PM	**Charan Kumar Ramineni** Doctorate student, Biochemistry, University of Massachusetts Lowell, MA, USA **Developability Assessment of an IgG2 Monoclonal Antibody Prior to Commencement of Process Development**
4.00 PM - 4.20 PM	**Tea**

Parallel Session - VI A

Chairpersons: Prof. Babita Malik, Dr. Neelima Gupta

IL-30 4.20 PM - 4.40 PM	**Ashu Chaudhary** Department of Chemistry, Kurukshetra University, Kurukshetra, India **"GREENER" CHEMICAL SYNTHESES FOR BIOINSPIRED METALLO MACROCYCLES: A WINDOW INTO MEDICINAL CHEMISTRY**
IL-31 4.40 PM - 5.00 PM	**Sandeep Verma** Prof. & Head, Dept. of Chemistry, IIT Kanpur, India **Neuronal Gasotransmitter Delivery with a Redox Trigger**
IL-32 5.00 PM - 5.20 PM	**RakshVirJasra** Senior Vice President (R&D), Reliance Industries Limited, India **Catalysis for Green Chemical Production**
IL-33 5.20 PM - 5.40 PM	**Ajay K. Sah** Department of Chemistry, Birla Institute of Technology and Science, Pilani, Pilani Campus, Rajasthan, India **Cu(II) Complexes of D-glucose derivatives and their application in oxidation reactions**
IL-34 5.40 PM - 6.00 PM	**S. Venkata Mohan** Bioengineering and Environmental Sciences Lab, EEFF Department, CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad, India **Waste Biorefinery for Chemical and Fuels**
IL-35 6.00 PM - 6.20 PM	**Sangeeta Jha** Department of Chemistry, Sikkim Manipal Institute of Technology, Majitar, East Sikkim, India **HIGH PERFORMANCE POLYMERIC NANO COMPOSITE AND ITS TECHNOLOGICAL APPLICATIONS**

Parallel Session - VI B

Chairpersons: Dr. A. K. Dwivedi, Dr. S.K. Singh

IL-36 4.20 PM - 4.50 PM	**Anshu Dandia** Retd. Prof. Dept. of Chemistry, Rajasthan University, India **Waste Biorefinery for Chemical and Fuels**
IL-37 4.50 PM - 5.10PM	**Devdutt Chaturvedi** Department of Chemistry, School of Physical & Material Sciences, Mahatma Gandhi Central University, Motihari-845401(East Champaran), Bihar, India. **Chemistry of carbon dioxide: Greener applications & synthetic explorations**
IL-38 5.10 PM - 5.30 PM	**Shamima Hussain** Scientist-E, UGC-DAE CSR, Kalpakkam Node, Kokilamedu-603104, India **Correlating Morphology and bonding environment in freestanding thin films**
IL-39	**Shamsh Pervez**

5.30 PM - 5.50 PM	Professor, Dept. of Chemistry, PRSS University, Raipur, India **Air Quality Studies to Address Uncharted Sources of urban climate in India**
IL-40 5.50 PM - 6.10 PM	**IKA India Pvt. Ltd.** IKA India Pvt. Ltd., Bengaluru, India **Abstract Awaited**

Poster Session – III

Chairpersons: Dr. Dipankar Koley, Dr. Namrata Rastogi

6.20 PM – 7.30 PM	**Poster Number 261 onwards**
7.30 PM – 8.30 PM	**Cultural Programme**
8.30 PM	**Dinner**

Saturday, January 13, 2018

Parallel Session – VII A

Chairpersons: Prof. Vandana Suhag, Dr. K.S. Lakshmi

PL-11 8.30 AM - 9.00 AM	**Athina Geronikaki** Department of Pharmaceutical Chemistry, Aristotle University, Greece **NOVEL THIAZOLIDIN-4-ONE DERIVATIVES WITH POTENT HIV-1 REVERSE TRANSCRIPTASE INHIBITORY ACTIVITY. DIVERGENCE FROM NON-COMPETITIVE INHIBITION MECHANISM**
IL-41 9.00 AM -9.20 AM	**K. Shankar Rao** Professor & Head, Dept. of Rasashastra, National Institute of Ayurveda, Jaipur, India **USE OF METALS & MINERALS AS MEDICINE AND CONCEPT OF SHODHANA & MARANA : A NEW PHARMA CONCEPT**
IL-42 9.20 AM - 9.40 AM	**Arunava Agarwala** Depatment of Chemistry, Manipal University Jaipur, Jaipur, India **Surface modification of metal oxides by dopant containing organic compounds and application in surface doping of silicon nano-structure**
O-7 9.40 AM - 9.50 AM	**Davood Askari** Master,SGPC, Mashhad, Iran **Reduce energy consumption and greenhouse gases emitting in the distillation unit using the feed- product heat exchanger**
O-8 9.50 AM - 10.00 AM	**Jyoti Singh** Institute of Pharmacy, RITM-AKTU, Lucknow **COMPUTER AIDED DRUG REPOSITIONING AND BIOLOGICAL EVALUATION AGAINST PARKINSON DISEASE**
O-9	**Raj Kumar** Laboratory for Drug Design and Synthesis, Centre for Pharmaceutical Sciences and

10.00 AM - 10.10 AM	Natural Products, Central University of Punjab, 151 001, Bathinda, India **Design, Synthesis and anticancer activity of Imidazo[1,2-a]quinoxaline as Inhibitors of Tubulin Polymerization**
O-10 10.10 AM - 10.20 AM	**Jaybir Singh** Department of Pharmacy, Dr. B. R. Ambedkar University, Agra (U.P.) India **Design and Evaluation of Orodispersible Tablets Using Combination of Superdisintegrants**
O-11 10.20 AM -10.30 AM	**Anant Kapdi** Institute of Chemical Technology, Mumbai, Nathalal road, Matunga, Mumbai-400019, India **Sustainable Palladium Catalysis for the Synthesis of Multi-functional Nucleosides in Water**
O-12 10.30 AM -10.40 AM	**Purnima Nag** School of Basic Sciences, Jaipur National University, Jaipur, India **BIOSYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL ATIVITY OF SILVER NANOPARTICLES USING LEAF EXTRACT OF THUJA ORIENTALIS**
O-13 10.40 AM -10.50 AM	**Ganesan Krishnamoorthy** Chemical Sciences & Technology Division, CSIR-North East Institute of Science & Technology, Jorhat - 785 006, Assam, India **DEVELOPMENT OF IONICALLY CROSS LINKED PHOTORESPONSIVE (TPCC4) CHITOSAN NANOPARTICLE FOR DRUG DELIVERY**
O-14 10.50 AM -11.00 AM	**K. Gajanan** Associate Professor, Dept. of Applied Chemistry ,KITS Ramtek-441 106 ,Nagpur, M.S., India **Fate of Organochloro and other Pesticide Residues in Soil and Aquatic Environment and their Neuro-toxic Effects**
O-15 11.00 AM -11.10 AM	**Ali Mohd Lone** Laboratory of Organic Synthesis, Govt. Degree College for Women Baramulla-193101, India **A general, flexible, ring closing metathesis (RCM) based strategy for accessing the fused furo[3,2-b]furanone moiety present in diverse bioactive natural products**
O-16 11.10 AM -11.20 AM	**Reetam Kaushik** Department of Chemistry, University of Delhi, Delhi, India **Synthesis and characterization of Lanthanide substituted transition metal containing inorganic-organic hybrid polyoxometalates**
O-17 11.20 AM -11.30 AM	**Samir Y. Abbas** Organometallic and Organometalloid Chemistry Department, National Research Centre, Cairo, Egypt **Utilizing of *N*-(4)-(benzo[d][1,3]dioxol-5-yl) thiosemicarbazide in the syntheses of various novel types of thiosemicarbazone derivatives: synthesis and antiviral evaluation**

11.30 AM - 11.40 PM	**Tea**

Parallel Session – VII B

Chairpersons: Prof. Mahesh Sharma, Prof. N.C. Desai

PL-12 8.30 AM - 9.00 AM	**Karol Grela** Biological and Chemical Research Centre, Faculty of Chemistry, University of Warsaw, Poland **Olefin metathesis with modern ruthenium catalysts: applications in basic research and in industrial production**
IL-43 9.00 AM -9.20 AM	**Dr. Jyoti Singh** ACS International India Pvt. Ltd, Pune, India **Abstract Awaited**
IL-44 9.20 AM - 9.40 AM	**Indresh Kumar** Department of Chemistry, Birla Institute of Technology and Science, Pilani, Pilani-campus 333 031 (Rajasthan), India **Glutaraldehyde as suitable substrates for aminocatalytic annulation reactions: Synthesis of medium sized *N*-heterocyclic compounds**
IL-45 9.40 AM - 10.00 AM	**Hitendra. M. Patel** Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar-388 120, Gujarat, India **Green chemistry concepts and its role for sustainability towards the development of Multi-component reactions**
O-18 10.00 AM - 10.10 AM	**Anubhuti Jha** Department of biotechnology, National institute of technology Raipur, Chhattisgarh, India **Natural products based cinnamic acid scaffoldfor novel antifungal drug discovery against *Candida albicans***
O-19 10.10 AM -10.20 AM	**Vivek Gupta** Tata Institute of Fundamental Research, Centre for Interdisciplinary Sciences, Hyderabad-500075, India **Mono and Dinuclear Cyclic Six-membered Palladium Complexes Derived from Palladium Mediated C-N Coupling of Organonitrile and Formamidine: Synthesis, Structure, Reactivity and Catalytic Activity**
O-20 10.20 AM -10.30 AM	**Chandra Pal Singh** Department of Botany, University of Rajasthan, J. L. N. Marg, Jaipur-302004, Rajasthan, India **MicroRNAs as mediators of viral evasion of the host immune system**
O-21 10.30 AM -10.40 AM	**Amit Rajput** Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208 016, India **[CoIII(L)2]z Complexes (L = Azo-appended *o*-Aminophenol; z = 1–, 0, 1+, 2+).**

	Ligand Redox-Level Mixed-Valency in the Neutral Form
O-22 10.40 AM -10.50 AM	**Wahid M. Basyouni** Organometallic and organometalloid Chemistry Dept., National Research Centre, Dokki, Cairo, Egypt **SYNTHESIS AND EVALUATION OF ANTIVIRAL ACTIVITY OF SOME NOVEL HYDROXYBENZYLIDENE THIOSEMICARBAZONE DERIVATIVES BY USING BOVINE VIRAL DIARRHEA VIRUS AS A MODEL OF HEPATITIS C VIRUS**
O-23 10.50 AM -11.00 AM	**Prasanta Kumar Hota** Department of Chemistry, School of Sciences, Hemvati Nandan Bahuguna Garhwal University, Srinagar (Garhwal) – 246 176, India **Conjugated Molecule : Substituent directed light induced properties and medicinal activities**
O-24 11.00 AM -11.10 AM	**Sangiliyandi Gurunathan** Department of Stem Cell and Regenerative Biotechnology, Konkuk University, Seoul 143-701, Republic of Korea **GRAPHENE OXIDE SILVER NANOPARTICLES NANOCOMPOSITE: A MULTIFUNCTIONAL MOLECULES**
O-25 11.10 AM -11.20 AM	**Himadri Acharya** Centre for Soft Matters, Department of Chemistry, Assam University, Silchar-788011, Assam, India **Layered double hydroxide/ metal organic framework nanocomposites for adsorptive removal of anionic dye**
O-26 11.20 AM -11.30 AM	**Santosh Kumar** Department of Organic and Nano System Engineering, Konkuk University, Seoul 05029, Korea **Enhanced CO_2 capture of chitosan-zeolite composites for environmental applications**
11.30 AM - 11.40 PM	**Tea**

Parallel Session – VIII A

Chairpersons: Dr. A.K. Dwivedi, Dr. Vinay Tripathi

O-27 11.40 AM -11.50 AM	**M. P. Somashekarappa** Departmrnt of PG Studies in Chemistry, IDSG College, Chikkamagaluru, Karnataka state, India **Electrodeposition of polythiophene on self assembled molecular films of mercapto and methyl mercapto derivatized terthiophene**
O-28 11.50 AM -12.00	**Ashok Garai** Department of Physics, The LNM Institute of Information Technology, Sumel, Jaipur 302031, India **Pulling of DNA: Emergence of new structural polymorphs and S-DNA**

O-29 12.00 -12.10 PM	**Saeikh Zaffar Hassan** Department of Petroleum Studies, Z. H. College of Engineering and Technology, Aligarh Muslim University, Aligarh, India **Method Developed through Design of Experiments (DOE) for the Prediction of Rate Constant and Reaction Kinetics**
O-30 12.10 PM -12.20 PM	**Gitanjali B. Shelar** Assistant Professor, Department of Botany, School of Science, Sandip University, Nashik-422213, Maharashtra, India **Detection of Antagonistic properties of different fungus synthesized silver nanoparticles against Gram negative bacteria's**
O-31 12.20 PM -12.30 PM	**Anusaya S. Chavan** Department of Chemistry, Dr.BabasahebAmbedkarMarathwada University, Aurangabad, India **A facile synthesis of tetrahydrobenzo[*a*]xanthene-11-ones accelerated by whole cell biocatalyst, Baker's yeast**
O-32 12.30 PM -12.40 PM	**Anuj K. Sharma** Department of Chemistry, Central University of Rajasthan, NH-8, Bandarsindri, Ajmer, Rajasthan, 305817, India **Congo-Red-inspired-azo-stilbene molecular frameworks designed for metal-chelation therapy in Alzheimer's disease**
O-33 12.40 PM -12.50 PM	**Anjali Patel** Department of Chemistry, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara-390002, Gujarat, India **Invitro release study of Camptothecin from functionalized Mesoporous silica materials**
O-34 12.50 PM -1.00 PM	**Khushtar A. Salman** Department of Biochemistry, J.N. Medical College, Aligarh Muslim University, Aligarh, U.P., India **Prolonged exposure to industrial pollutants induce oxidative stress in humans**
O-35 1.00 PM -1.10 PM	**Idhayadhulla Akbar** Research Department of Chemistry, Nehru Memorial College (Affiliated to Bharathidasan University), Puthanampatti-621007, Tiruchirappalli (Dt), Tamil Nadu, India **Design and synthesis of linoleic acid peroxidation inhibitors of morpholine-connected pyrazolidine derivatives induced by effective antimicrobial activity**
O-36 1.10 PM -1.20 PM	**Parnas S. Parmar** Department of chemistry, Veer Narmad south Gujarat University, Udhana-Magdalla road, Surat - 395007, India **Synthesis and Biological evaluation of pyrazolopyrimidine and pyrazolopyridine derivatives**
O-37 1.20 PM -1.30 PM	**Sada Venkateswarlu** Department of Nanochemistry, Gachon University, Seongnam 13120, Republic of Korea

	Fe_3O_4 Embedded NH_2-MIL 125 (Ti) MOF Composite for Selective and Efficient Removal of Aqueous Lead
1.30 PM - 2.00 PM	**Lunch**

Parallel Session – VIII B

Chairpersons: Dr. Rajender Dahiya, Prof. Lalita Ledwani

IL-46 11.40 AM -12.00	**D. N. Singh** Department of Chemistry, K.S. Saket PG College, Dr. RML Avadh University, Faizabad- 224001, India **New Triterpenoid from the Aerial Part of *Phlebophyllum kunthianum***
O-38 12.00 -12.10 PM	**Ruby Singh** Department of Chemistry, School of Basic Sciences, Jaipur National University, Jaipur, Rajasthan, India **GREEN SYNTHESIS OF NOVEL SPIRO NITROGEN AND SULFUR CONTAINING HETEROCYCLES AND THEIR ANTI-INFLAMMATORY ACTIVITY**
O-39 12.10 PM -12.20 PM	**Masrat Maswal** Department of Chemistry, Government Degree College Boys,Pulwama, 190008, India **Rheological behavior and Ibuprofen delivery applications of pH responsive composite alginate hydrogels**
O-40 12.20 PM -12.30 PM	**Akhil Agrawal** Energy and Environment Research Laboratory, Department of Microbiology, Central University of Rajasthan, Ajmer, India **An Effective Approach for Enhanced Recovery of Oil using Polymer-Nickel Nanoparticles Mixture**
O-41 12.30 PM -12.40 PM	**Shikha Jain** Department of Chemistry, Manipal University Jaipur, Jaipur, Rajasthan, India **Natural sunscreen development from cyanobacterial isolates of hypersaline environments of India**
O-42 12.40 PM -12.50 PM	**Ibrahim, M. B** Department of Pure and Industrial Chemistry, Bayero University, P.M.B. 3011, Kano, Nigeria **Green Synthesis of Zinc Nanoparticles using *Ipomoea asarifolia*Leaves Extract and its Application for Dyes Removal**
O-43 12.50 PM -1.00 PM	**Rupasree Choudhury** Department of Chemistry, National Institute of Technology Agartala, Agartala, Tripura-799046, India **Study of Aggregation Kinetics of Macrocyclic Polyammonium Cations Guided Aggregation of Citrate Capped Silver Nanoparticles**

O-44 1.00 PM -1.10 PM	**Minu G Bhowon** Department of Chemistry, Faculty of Science, University of Mauritius, Reduit, Mauritius **Synthesis and biological properties of palladium complexes**
O-45 1.10 PM -1.20 PM	**Tenimu A. Abubakar** Chemistry Department, Sule Lamido University, Kafin Hausa, PMB 048, Jigawa state, Nigeria **Synthesis and characterization of substituted Mo and W carbonyl complexes containing isoniazid and dimethylglyoxime**
O-46 1.20 PM -1.30 PM	**Anusha Subramanian Mohanakrishnan** Chemical Engineering Department, Central Leather Research Institute (CLRI)1, Adyar, Chennai 600020, Tamil Nadu, India **Thermokinetic of poly(3-hydroxybutyric acid)(PHB) batch production by Azotobactervinelandii**
1.30 PM - 2.00 PM	**Lunch**

Parallel Session – IX A

Chairpersons: Prof. M. S. Shingare, Dr. Tanmoy Chakraborty, Prof. D. V. Mane

IL-47 2.00 PM -2.20 PM	**N C Desai** Division of Medicinal Chemistry, Department of Chemistry, Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364002, India **Fluorine Chemistry–An important tool for new drug discovery program in the 21st century**
O-47 2.20 PM -2.30 PM	**Sonia Nain** Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonepat - 131 039, Haryana, India **SYNTHESIS AND EVALUATION OF SOME NEW COMPLEXES OF 6-METHOXY-3FORMYLCHROMONE WITH COPPER (II), COBALT (II) AND ZINC (II) AS POTENTIAL ANTIMICROBIAL AGENTS**
O-48 2.30 PM -2.40 PM	**S. M. Gumel** Department of Pure and Industrial Chemistry, Bayero University, Kano - Nigeria **EXTRACTION OF CELLULASE ENZYME FROM TOMATO FRUITS AND PINEAPPLE PEEL USING *ASPERGILLUS NIGER* AND ITS APPLICATION IN TEXTILE WET PROCESSING**
O-49 2.40 PM -2.50 PM	**Aminu A. Umar** Department of Biochemistry, Kebbi State University of Science and Technology, Aliero, P.M.B 1144 Birnin Kebbi, Nigeria **Cooperative regulation of human Exonuclease1 (hExo1) activity by 14-3-3 proteins**

O-50 2.50 PM -3.00 PM	**Surajbhan Sevda** IIT Guwahati, Guwahati, India **Removal of nitrogenous pollutants and organic matters simultaneously from two different wastewaters using biocathode microbial fuel cell**
O-51 3.00 PM -3.10 PM	**Naveen Kumar Singh** Environmental Science discipline, Department of Chemistry,Manipal University, Jaipur-303007, India **PLANT-METAL INTERACTIONS FOR SOIL AND WASTEWATER TREATMENT**
O-52 3.10 PM -3.20 PM	**Garba Alhaji Adamu** Department of Science Laboratory Technology, Kano State Polytechnic, Nigeria **HEAVY METALS POLLUTION OF SURFACE WATER AND SEDIMENT OF WATARI RESERVOIR, KANO STATE, NIGERIA**
O-53 3.20 PM -3.30 PM	**Islam Khan** Biochemistry Department, Faculty of Medicine, Kuwait University, Kuwait **Uncoupling of Na-H Exchanger-1 and Carbonic Anhydrase in Inflamed Colon in Experimental Colitis**
O-54 3.30 PM -3.40 PM	**S. Jhaumeer Laulloo** Department of Chemistry, Faculty of Science, University of Mauritius, Reduit, Mauritius **The potential application of aromatic and cyclic amino acid based surfactants in soap-like formulations**
O-55 3.40 PM -3.50 PM	**Surendra Nimesh** Central University of Rajasthan, India **Nanomedicine based strategies for the treatment of Hypercholesterolemia and related Cardiovascular diseases**
3.50 PM - 4.00 PM	**Tea**

Parallel Session – IX B

Chairpersons: Dr. Nitu Bhatnagar, Prof. Sangeeta Jha

IL-48 2.00 PM -2.20 PM	**Rajeev Sakhuja** Department of Chemistry, Birla Institute of Technology and Science, Pilani 333031, Rajasthan, India **Functionalized Heterocycles as Biologically active Pharmacophores and Organic Materials**
O-56 2.20 PM -2.30 PM	**Vaibhav P. Mehta** Department of Chemistry, Faculty of Science, Marwadi University, Gauridad, Rajkot - Morbi Highway, Rajkot, Gujarat, India **Ruthenium-Catalyzed Cascade C-H Functionalization of Phenylacetophenones**

O-57 2.30 PM -2.40 PM	**Ranjan Khunt** Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India **Synthesis of novel imidazo[1,2-a]pyridine-4-hydroxy-2H-coumarins by GBB multicomponent reaction aspotential NS5B inhibitors**
O-58 2.40 PM -2.50 PM	**Sabir Hussain** Department of Chemistry, GGDSD College Palwal (M.D University Rohtak), Haryana 121102, India **SYNTHESIS, CHARACTERIZATION AND PHARMACOLOGICAL ACTIVITIES OF SOME SUBSTITUTED HETEROCYCLIC COMPOUNDS**
O-59 2.50 PM -3.00 PM	**Meenakshi Pilania** Department of Chemistry, Birla Institute of Technology and Science, Pilani-333031, Rajasthan, India **Triazolium ion Based *N*-Heterocyclic Carbene Precursors: Efficient Synthesis and Photophysical Properties**
O-60 3.00 PM -3.10 PM	**Manoj Lakhan** Deptt.of Physics, M.L.V. Govt.College Bhilwara Rajasthan, India **The Effect of Temperature on Photovoltaic (PV) Efficiency**
O-61 3.10 PM -3.20 PM	**KANTA MEENA** Department of Botany, M. L.V. Government College, Bhilwara - 311 001, Rajasthan, India ***BALANITES AEGYPTIACA* (LINN.) DELILE USED AS VETERINARY MEDICINE BY MEENA TRIBE OF TONK DISTRICT OF RAJASTHAN**
O-62 3.20 PM -3.30 PM	**Devesh S. Agarwal** Department of Chemistry, Birla Institute of Technology and Science, Pilani 333031, Rajasthan, India **Aggregation-Induced Emission Enhancement (AIEE): A Rationale for "Enzyme-Free" Detection of Cholesterol**
O-63 3.30 PM -3.40 PM	**Om P. S. Patel** Post-Doc Fellow, Chemistry Department, BITS Pilani, Pilani Campus, Rajasthan, India ***In vitro* and *in vivo* antidiabetic activity of carbazole alkaloids and their pharmacokinetic study**
O-64 3.40 PM -3.50 PM	**Sridhar S. N. C.** Department of Pharmacy, Birla Institute of Technology and Science Pilani (Pilani Campus), Pilani - 333 031, Rajasthan, India **Synthesis, Evaluation and Molecular Modelling Studies of 2-(Carbazol-3-yl)-2-oxoacetamide Analogues as a New Class of Potential Pancreatic Lipase Inhibitors**
3.50 PM - 4.00 PM	**Tea**

4.00 PM - 5.00 PM	**Valedictory Session**
5:00 PM – 5:30 PM	**ISCB General Body**