



# SILVER JUBILEE CELEBRATION

## 25<sup>th</sup> ISCB INTERNATIONAL CONFERENCE (ISCB-2019)

### Trends in Chemical and Biological Sciences: Impact on Health and Environment

Date: 12 - 14 January, 2019 | Venue: Hotel Golden Tulip, Lucknow, India

Organized by: Indian Society of Chemists & Biologists (ISCB)

E-mail: iscbconference@gmail.com | Website: www.iscbconference.com

#### SCIENTIFIC PROGRAMME

Saturday, January 12, 2019

9.00 AM - 10.30 AM	<b>Registration</b>
10.30 AM - 12.00 PM	<b>Inaugural Session</b>
12.00 PM - 12.30 PM	<b>High Tea</b>

#### Session – I

Chairpersons: Prof. Anamik Shah and Dr. Mukund S. Chorghade

<b>PL-1</b> 12.30 PM - 1.00 PM	<b>Colin J Suckling</b> Research Professor of Chemistry, Department of Pure & Applied Chemistry, University of Strathclyde, Glasgow, Scotland <b>Strathclyde Minor Groove Binders (S-MGBs) - Pluripotent Anti-infective compounds to tackle antimicrobial resistance</b>
<b>PL-2</b> 1.00 PM - 1.30 PM	<b>Athina Geronikaki</b> Department of Pharmaceutical Chemistry, Aristotle University, Greece <b>Docking assisted design of novel 4-adamantanyl-2-thiazolylimino-5-arylidene- 4-thiazolidinones as potent NSAIDs</b>
<b>1.30 PM - 2.30 PM</b>	<b>Lunch</b>

#### Session – II

Chairpersons: Dr. Keshav Deo and Prof. Anshu Dandia

<b>PL-3</b> 2.30 PM - 2.55 PM	<b>Surya Kant</b> Professor & Head, Dept. of Respiratory Medicine and Pulmonary & Critical Care Medicine (Off.), King George's Medical University, Lucknow, India <b>TB Free India by 2025: Roadmap to Prime minister's Dream</b>
<b>IL-1</b> 2.55 PM - 3.15 PM	<b>Mukund S. Chorghade</b> President and Chief Scientific Officer, THINQ Pharma / THINQ Discovery, and Chorghade Enterprises, USA <b>Fascinating Adventures in Development of a Drug from Conception to Commercialization: A Personal Perspective</b>
<b>IL-2</b> 3.15 PM - 3.35 PM	<b>Arun K. Sinha</b> Chief Scientist and Professor (AcSIR), Medicinal and Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow, India



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	<b>Abstract Awaited</b>
<b>IL-3</b> 3.35 PM - 3.55 PM	<b>Ashok K Prasad</b> Professor, Department of Chemistry, University of Delhi, Delhi, India <b>Abstract Awaited</b>
<b>IL-4</b> 3.55 PM - 4.15 PM	<b>Hitendra. M. Patel</b> Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India <b>An efficient one-pot multicomponent synthesis of Diverse Heterocyclic Scaffolds and their Biological importance</b>
<b>IL-5</b> 4.15 PM - 4.35 PM	<b>Ashoke Sharon</b> Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India <b>Carbocyclic derived analogs: A promising scaffold towards discovery of antiviral drug like nucleoside</b>
<b>4.35 PM - 4.50 PM</b>	<b>Tea</b>

#### Session – III

Chairpersons: Prof. N.C. Desai and Prof. Devendra Kumar

<b>PL-4</b> 4.50 PM - 5.15 PM	<b>Ram A Vishwakarma</b> Director, CSIR-Indian Institute of Integrative Medicine, Jammu, India <b>Abstract Awaited</b>
<b>IL-6</b> 5.15 PM - 5.35 PM	<b>Dalip Kumar</b> Department of Chemistry, Birla Institute of Technology and Science, Pilani, India <b>Abstract Awaited</b>
<b>IL-7</b> 5.35 PM - 5.55 PM	<b>Naresh Chandra Bal</b> Ramalingaswami Fellow, School of Biotechnology, KIIT University, Bhubaneswar, India <b>Searching a target to treat metabolic syndrome: Brown fat or the muscle?</b>
<b>IL-8</b> 5.55 PM - 6.15 PM	<b>Manik Pradhan</b> S N Bose National Centre for Basic Sciences, Kolkata, India <b>New frontiers in gas-phase cavity ring-down spectroscopy for medical diagnosis and environmental sensing</b>
<b>IL-9</b> 6.15 PM - 6.35 PM	<b>Brijesh Kumar</b> Senior Principal Scientist, Sophisticated Analytical Instrument Facility (SAIF), CSIR- Central Drug Research Institute, Lucknow, India <b>Applications of LC- MS tools in natural products</b>



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5.35 PM – 7.00 PM	<b>Poster Session -I (Poster Numbers 1-60)</b>
7.00 PM – 8.30 PM	<b>Cultural Programme</b>
<b>8.30 PM</b>	<b>Dinner</b>

**Sunday, January 13, 2019**

8.00 AM – 9.00 AM	<b>Poster Session -II (Poster Numbers 61-120)</b>
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#### **Parallel Session – IVA (Ivy Hall, Ground Floor)**

**Chairpersons: Dr. Rakesh Shukla and Prof. Diwan Singh Rawat**

<b>PL-5</b> 9.00 AM - 9.30 AM	<b>Jyoti Chattopadhyaya</b> Department of Cell & Molecular Biology, Biomedical Center, Uppsala University, Uppsala, Sweden <b>Specific Destruction of Virus and Oncogenein Human cellby Designed Small Interfering RNA</b>
<b>PL-6</b> 9.30 AM - 10.00 AM	<b>S. J. S. Flora</b> Director, National Institute of Pharmaceutical Education and Research (NIPER), Raebareli, India <b>Abstract Awaited</b>
<b>IL-10</b> 10.00 AM - 10.20 AM	<b>Parthasarathi Das</b> Associate Professor, Department of Applied Chemistry, Indian Institute of Technology (ISM), Dhanbad, India <b>Abstract Awaited</b>
<b>IL -11</b> 10.20 AM - 10.40 AM	<b>Dipankar Koley</b> Scientist, CSIR-Central Drug Research institute, Lucknow, India <b>Abstract Awaited</b>
<b>IL -12</b> 10.40 AM - 11.00 AM	<b>Bapu B. Shingate</b> Assistant Professor, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India <b>Tips for Effective Preparation of Scientific Reviews</b>
<b>IL -13</b> 11.00 AM -11.20 AM	<b>Indresh Kumar</b> Department of Chemistry, Birla Institute of Technology and Science, Pilani, Pilani-campus (Rajasthan), India <b>Linear dicarbonyls as suitable substrates for amine catalyzed transformations: Synthesis of medium-sized N-heterocyclic compounds</b>
<b>11.20 AM - 11.40 PM</b>	<b>Tea</b>



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#### Parallel Session – IVB (Daffodil Hall, Sixth Floor)

Chairpersons: Prof. R. K. Singh and Dr. J. K. Saxena

<b>IL-14</b> 9.00 AM - 9.15 AM	<b>Anand S. Aswar</b> Department of Chemistry, Sant Gadge Baba Amravati University, Amravati, India <b>A simple synthesis of transition metal nanocrystalline ferrite: An effective and environmentally benign catalyst for the one-pot multicomponent reactions</b>
<b>IL-15</b> 9.15 AM - 9.30 AM	<b>Amit Kumar</b> Indian Institute of Technology Patna, Bihta, Patna- Bihar, India <b>Imidates: A Versatile Synthons for Organic Chemists</b>
<b>IL-16</b> 9.30 AM - 9.45 AM	<b>Neelima Gupta</b> Associate Professor, Department of Chemistry, University of Rajasthan, Jaipur, India <b>Dienophilicity of &gt;C=P- Functionality of 2-Phosphaindolizines towards Electron Rich Vs Electron Deficient Dienes</b>
<b>IL -17</b> 9.45 AM - 10.00 AM	<b>Surendra Singh</b> Assistant Professor, Dept. of Chemistry, University of Delhi, Delhi, India <b>Development of Chiral Catalysts for Asymmetric Aldol and Henry Reactions</b>
<b>IL -18</b> 10.00 AM - 10.15 AM	<b>Venkata Ramana Doddi</b> Assistant Professor, Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, India <b>The triple role of 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU) in the synthesis of diaryl ethynes and enynes from 1,1-dibromoalkenes at ambient temperature</b>
<b>IL -19</b> 10.15 AM - 10.30 AM	<b>Vikas Tyagi</b> School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, India <b>Myoglobin-catalyzed olefin-cyclopropanation reaction</b>
<b>O -1</b> 10.30 AM - 10.40 AM	<b>Sarvesh Kumar Pandey</b> Department of Chemistry, Indian Institute of Technology, Kanpur, India <b>Quantification of Hydrogen Bond Strength Based on Interaction Coordinates: A New Approach</b>
<b>O -2</b> 10.40 AM - 10.50 AM	<b>Shikha Awasthi</b> Department of Material Science and Engineering, Indian Institute of Technology, Kanpur, India <b>Synergistic Role of Carbonaceous Reinforcements on Multi-Length Scale Tribology of Electrophoretically Deposited Nickel-Boron Nitride Coatings</b>
<b>O -3</b> 10.50 AM - 11.00 AM	<b>Siddharth Bhoraskar</b> Department of Chemistry, University of Massachusetts at Lowell, Massachusetts, USA



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	Biochemical Characterization of Fc-Fusion Protein Conformers
<b>O -4</b> 11.00 AM -11.10 AM	<b>Shabi Abbas Zaidi</b> Department of Chemistry, Kwangwoon University, 20 Kwangwoon-ro, Nowon-gu, Seoul, South Korea  <b>Electrospun woven antibacterial wound healing mats synthesized with norfloxacin imprinted polymer nanofibers</b>
<b>O -5</b> 11.10 AM -11.20 AM	<b>Himanshu Arora</b> India  <b>Copper (II) dimers stabilized by bis(phenol) amine ligands: Theoretical and Experimental Insights</b>
<b>11.20 AM - 11.40 PM</b>	<b>Tea</b>

#### Parallel Session-VA (Ivy Hall, Ground Floor)

Chairpersons: Dr. S.K. Puri and Dr. PMS Chauhan

<b>PL-7</b> 11.40 AM - 12.05 PM	<b>Kazuaki Matsumura</b> Associate Professor, School of Materials Science, Japan Advanced Institute of Science and Technology, 1-1 Asahidai, Nomi, Ishikawa, Japan  <b>BIOMEDICAL MATERIALS APPLICATION OF POLYAMPHOLYTES</b>
<b>PL-8</b> 12.05 AM - 12.30 PM	<b>Madhu Dikshit</b> Former Director, CSIR-Central Drug Research Institute, Lucknow, India  <b>Abstract Awaited</b>
<b>PL-9</b> 12.30 AM - 12.55 PM	<b>Rakeshwar Bandichhor</b> Director and CoE-Chemistry Head-API-R&D, Vice Chair, ACS-India Chapter (South), Dr. Reddy's Laboratories, Hyderabad, India  <b>Innovative Process Research and Development of APIs</b>
<b>IL-20</b> 12.55 PM - 1.15 PM	<b>Ramesh Babu Boga</b> BogaR Laboratories LLC, Suwanee, GA, USA  <b>Newer Trends of Drug Discovery: Current Status of Nitric Oxide Synthase (NOS) Inhibitors</b>
<b>IL-21</b> 1.15 PM - 1.30 PM	<b>Debasish Mandal</b> School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, Punjab, India  <b>Myoglobin Reconstituted with Manganese Porphycene – A Promising Bio-catalyst for C-H Activation: An insight into the Theoretical Investigation</b>
<b>IL-22</b> 1.30 PM - 1.45 PM	<b>Sharad Porwal</b> Chemical Sciences Research Group, Division of Research and Development, Lovely Professional University, Phagwara, Punjab, India  <b>Coupling slow H<sub>2</sub>S donors with drug fragments: A new strategy in discovering low toxicity drugs</b>



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1.45 PM - 2.30 PM	Lunch
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#### Parallel Session-VB (Daffodil Hall, Sixth Floor)

Chairpersons: Dr. R.P. Tripathi and Dr. Vinay Tripathi

<b>IL-23</b> 11.40 PM - 12.00 PM	<b>Diwan S Rawat</b> Coordinator, M. Tech (Chemical Synthesis and Process Technologies), Department of Chemistry, University of Delhi, Delhi, India  <b>Identification of lead antimalarial and anti-Parkinson molecule <i>viamolecular</i> hybridization approach</b>
<b>O-6</b> 12.00 PM - 12.10 PM	<b>Amit Rajput</b> Department of Basic and Applied Science, G. D. Goenka University, Gurgaon, Haryana, India  <b>Six-coordinate <math>[Co^{III}(L)_2]^z</math> complexes (L(2-) = azo-ppended <i>o</i>-aminophenolate; z = 1-, 0, 1+): molecular and electronic structure</b>
<b>O-7</b> 12.10 PM - 12.20 PM	<b>Neelam Yadav</b> Department of Medicine, Albert Einstein College of Medicine, Bronx, New York, USA  <b>Survival and proliferation improves of liver sinusoidal endothelial cells transplanted in mice by endothelin receptor antagonism</b>
<b>O-8</b> 12.20 PM - 12.30 PM	<b>Pratibha Yadav</b> Centre for Rural development and Technology, IIT Delhi, Hauz Khas, New Delhi, India  <b>Ascorbate peroxidase and its role in the transformation of methyl phenyl sulfide to its sulfoxide</b>
<b>O-9</b> 12.30 PM - 12.40 PM	<b>Bharat Chandra Sahu</b> Department of Chemistry, VEC Lakhanpur, Sarguja University, Ambikapur, C.G, India  <b>Baylis–Hillman Acetates in Synthesis: Copper(I)/tert-Butyl Hydroperoxide Promoted One-Pot Oxidative Intramolecular Cyclization Protocol for the Preparation of Pyrrole-Fused Compounds and the Formal Synthesis of (±)-</b>
<b>O-10</b> 12.40 PM - 12.50 PM	<b>Mayank G. Sharma</b> Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India  <b>One-Pot Assembly for synthesis of 1, 4-dihydropyridine scaffold and their biological applications</b>
<b>O-11</b> 12.50 PM - 1.00 PM	<b>Neha Gupta</b> Department of Chemistry, UGC Sponsored-Centre for Advanced Studies-II, Guru Nanak Dev University, Amritsar, Punjab, India  <b>Designing of Smart Fluorescent Probes for Bio-imaging and Diagnostics</b>
<b>O-12</b>	<b>ChandralataBal</b>



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1.00 PM - 1.10 PM	Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, India <b>Rhodium catalyzed stereospecific reductive carbocyclization of 1,6-enynes for the synthesis of entecavir-aristromycin hybrid analogs</b>
<b>O-13</b> 1.10 PM - 1.20 PM	<b>Nivedita Jena</b> KIIT Technology Business Incubator, KIIT University, Bhubaneswar, Odisha, India <b>Startup Opportunities in Chemistry-Biology Interface</b>
<b>O-14</b> 1.20 PM - 1.30 PM	<b>Dodla Sivanageswara Rao</b> Department of Chemistry, Malaviya National Institute of Technology(MNIT), Jaipur, Rajasthan, India Chemoselective Iodination of Alkynes using Sulfonium Iodate (I) Complex
<b>O-15</b> 1.30 PM - 1.40 PM	<b>Thurpu Raghavendar Reddy</b> Department of Chemistry, Malaviya National Institute of Technology, (MNIT), Jaipur, Rajasthan, India Sulfonium Iodate Reagent Mediated Stereoselective Synthesis of 2-Deoxy Glycosides and Glycoconjugates
<b>O-16</b> 1.40 PM - 1.50 PM	<b>Abhay J Bavishi</b> Christ College, Rajkot, Vidyaniketan, Rajkot, India Novel, facile and green approach towards synthesis of Imidazolocoumarin derivative
<b>1.50 PM - 2.30 PM</b>	<b>Lunch</b>

#### Session-VIA (Ivy Hall, Ground Floor)

Chairpersons: Prof. Jyoti Chattopadhyay and Prof. Raja Roy

<b>PL-10</b> 2.20 PM - 2.45 PM	<b>Anil Kumar Singh</b> IIT Mumbai, Former Vice Chancellor, University of Allahabad, India <b>Understanding Rhodopsins through Bioorganic Chemistry</b>
<b>IL-24</b> 2.45 PM - 3.05 PM	<b>Bakrudeen Ali Ahmed</b> Faculty of Applied Sciences, Ton Duc Thang University, Ho Chi Minh City, Vietnam <b>Plant Biotechnology Products: Bio-safety and health security</b>
<b>IL-25</b> 3.05 PM - 3.25 PM	<b>Dhananjay V Mane</b> Professor in chemistry and Regional Director, Yashwantrao Chavan Maharashtra Open University, Nashik, India <b>ANTI-INFLAMMATORY EXPLORATION OF SULFONAMIDE CONTAINING DIARYL PYRAZOLES WITH PROMISING COX-2 SELECTIVITY AND ENHANCED GASTRIC SAFETY PROFILE</b>
<b>IL-26</b> 3.25 PM - 3.45 PM	<b>T. Narender</b> Principal Scientist, Medicinal and Process Chemistry Division, CSIR-Central Drug



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	Research Institute, Lucknow, India <b>Abstract Awaited</b>
<b>IL-27</b> 3.45 PM - 4.00 PM	<b>Sushil K. Maurya</b> Natural Product Chemistry and Process Development Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, India <b>Method development for C-N bond formation and their applications in medicinal chemistry</b>
<b>O-17</b> 4.00 PM - 4.10 PM	<b>Debasis Manna</b> Department of Chemistry, Indian Institute of Technology Guwahati, Guwahati, Assam, India <b>Diphenylethylenediamine-Based Potent Anionophores: Transmembrane Chloride Ion Transport and Apoptosis Inducing Activities</b>
<b>O-18</b> 4.10 PM - 4.20 PM	<b>Rahul Shivahare</b> Division of Parasitology, CSIR-Central Drug Research Institute, Lucknow, India <b>Synergism between Novel Immunomodulators and Chemotherapy for the Cure of Experimental Visceral Leishmaniasis</b>
<b>O-19</b> 4.20 PM - 4.30 PM	<b>Ramprasad O.G.</b> Aravind Medical Research Foundation, Madurai, India <b>EXPLORATION OF A NOVEL CHEMICAL CROSS-LINKER FOR THE TREATMENT OF KERATOCONUS</b>
<b>4.30 PM - 4.40 PM</b>	<b>Tea</b>

#### Session-VIB (Daffodil Hall, Sixth Floor)

Chairpersons: Prof. Mahesh Sharma and Prof. Manjunath Ghate

<b>IL-28</b> 2.20 PM - 2.40 PM	<b>Virinder S Parmar</b> Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi, India <b>Novel Polymeric Antioxidants and Bio-Antioxidants: Our Extensive Studies</b>
<b>IL-29</b> 2.40 PM - 3.00 PM	<b>Anil Kumar</b> Department of Chemistry, Birla Institute of Technology and Science, Pilani, India <b>Abstract Awaited</b>
<b>O-20</b> 3.00 PM - 3.10 PM	<b>Ranjan C Khunt</b> Department of Chemistry, Saurashtra University, Rajkot, (Gujarat) India <b>Synthesis of 1, 5-disubstituted Tetrazole Derivatives via a TMS-N<sub>3</sub> Based Ugi Reaction as Anti-cancer Agents and their Docking Study</b>
<b>O-21</b> 3.10 PM - 3.20 PM	<b>Roli Mishra</b> Chemistry Department, Centre for Engineering and Enterprise Institute of Advanced Research, Gandhinagar, India <b>Amino acid- Imidazolium Ionic Liquids: Synthesis and Application</b>





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<p><b>O-22</b> 3.20 PM - 3.30 PM</p>	<p><b>Om P. S. Patel</b> Department of Chemistry, Birla Institute of Technology and Science Pilani, Pilani Campus, Rajasthan, India</p> <p><b><i>tert</i>-Butyl Hydroperoxide as Carbon Source and Hydrogen Ac-ceptor: Regioselective Aminomethylation of Imidazoheterocycles with 2/4-Aminoazaheterocycles via Cross-Dehydrogenative Coupling</b></p>
<p><b>O-23</b> 3.30 PM - 3.40 PM</p>	<p><b>Ramhari Meena</b> Department of Chemistry, University of Rajasthan, JLN Marg, Jaipur, Rajasthan, India</p> <p><b>Synthesis, characterization and anticancer activity of Pt(II) and Pd(II) complexes with Schiff base ligands</b></p>
<p><b>O-24</b> 3.40 PM - 3.50 PM</p>	<p><b>Abu Salim Mustafa</b> Departments of Microbiology and Medicine, Faculty of Medicine, Health Sciences Centre, Kuwait University, Kuwait</p> <p><b>DISTRIBUTION OF VITAMIN D BINDING PROTEIN SUBTYPES IN KUWAITI POPULATION</b></p>
<p><b>O-25</b> 3.50 PM - 4.00 PM</p>	<p><b>Rajesh Kumar</b> Department of Chemistry, R.D.S. College (B.R.A. Bihar University), Muzaffarpur, India</p> <p><b>Chemo-enzymatic Synthesis of Modified Nucleosides</b></p>
<p><b>O-26</b> 4.00 PM - 4.10 PM</p>	<p><b>Sundaram Singh</b> Department of Chemistry, Indian Institute of Technology, Banaras Hindu University, Varanasi, India</p> <p><b>An Efficient and Sustainable Synthesis of Substituted spirooxindoles via Monoclinic nanozirconia catalyzed Multicomponent reaction of Isatin derivatives with Ethylcyanoacetate and 1,3-dicarbonyl compounds in a Ball mill</b></p>
<p><b>O-27</b> 4.10 PM - 4.20 PM</p>	<p><b>Dinesh Kumar</b> Centre of Biomedical Research (CBMR), SGPGIMS Campus, Lucknow, India</p> <p><b>Quercetin, a Natural Flavonoid with Anti-Helicobacter pylori Activity, interacts with its Histone-like DNA binding protein: A promising candidate for developing next generation anti-H. pylori agents</b></p>
<p><b>O-28</b> 4.20 PM - 4.30 PM</p>	<p><b>Susruta Samanta</b> Manipal University Jaipur, Dehmi-Kalan, Jaipur-Ajmer Expressway, RJ, India</p> <p><b>Translocation of antibiotics through the outer membrane channel OprE of <i>Pseudomonas aeruginosa</i></b></p>
<p><b>4.30 PM - 4.40 PM</b></p>	<p><b>Tea</b></p>

Session-VIIA (Ivy Hall, Ground Floor)

Chairpersons: Prof. N.C. Desai and Dr. A.K. Dwivedi



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<p><b>PL-11</b> 4.40 PM - 5.05 PM</p>	<p><b>Anna Kajetanowicz</b> Biological and Chemical Research Centre, Faculty of Chemistry, University of Warsaw, Poland</p> <p><b>Macrocyclisation at high concentration and other problems in olefin metathesis: looking for solutions</b></p>
<p><b>IL-30</b> 5.05 PM - 5.25 PM</p>	<p><b>Namrata Rastogi</b> Medicinal &amp; Process Chemistry Division, CSIR-Central Drug Research Institute, Lucknow, India</p> <p><b>Synthesis of Aza-Heterocycles via Intramolecular Rearrangement/Trapping of Ammonium Ylides</b></p>
<p><b>IL-31</b> 5.25 PM - 5.45 PM</p>	<p><b>Ram Sagar Misra</b> Associate Professor, Department of Chemistry, Banaras Hindu University, Varanasi, India</p> <p><b>Stereoselective Synthesis of Natural Product Inspired Carbohydrides as Antiproliferative Agents</b></p>
<p><b>O-29</b> 5.25 PM - 5.45 PM</p>	<p><b>Jyotsna Singh</b> Antimicrobial Research laboratory, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India</p> <p><b>Novel Trp-Arg Rich Analogues of alpha-Melanocyte Stimulating Hormone to Combat Methicillin Resistant <i>Staphylococcus aureus</i></b></p>
<p><b>O-30</b> 6.00 PM - 6.10 PM</p>	<p><b>Vijai K. Rai</b> Assistant Professor, Department of Chemistry, Guru Ghasidas Vishwavidyalaya (a Central University), Bilaspur, C.G., India</p> <p><b>Heterogeneous Catalysis for Construction of N-Heterocycles in Water Under Visible-Light Condition</b></p>
<p><b>O-31</b> 6.10 PM - 6.20 PM</p>	<p><b>Jagadeesh Bhattarai</b> Central Department of Chemistry, Tribhuvan University, Kathmandu, Nepal</p> <p><b>THE EFFECTS OF GREEN MATERIALS EXTRACTED FROM NEPALI ORIGIN PLANTS ON THE CORROSIVITY OF BIOFUELS TO DIFFERENT METALLIC MATERIALS</b></p>
<p><b>O-32</b> 6.20 PM - 6.30 PM</p>	<p><b>Hossain, M. S.</b> University of South Bohemia in České Budejovice, Faculty of Fisheries and Protection of Waters, Zátíší 728/II, Vodňany, Czech Republic</p> <p><b>Environmentally relevant concentrations of psychotropic drugs modify the behavioural patterns of an aquatic invertebrate</b></p>
<p><b>O-33</b> 6.30 PM - 6.40 PM</p>	<p><b>Biswajit Kundu</b> Department of Organic and Medicinal Chemistry, CSIR-IICB, Jadavpur, Kolkata, India</p> <p><b>Rational Designing and Evaluation of Topoisomerase I poisons</b></p>
<p><b>O-34</b></p>	<p><b>Khushtar Anwar Salman</b> J N Medical College, Department of Biochemistry Faculty of Medicine, Aligarh</p>



## SILVER JUBILEE CELEBRATION

### 25<sup>th</sup> ISCB INTERNATIONAL CONFERENCE (ISCB-2019)

#### Trends in Chemical and Biological Sciences: Impact on Health and Environment

Date: 12 - 14 January, 2019 | Venue: Hotel Golden Tulip, Lucknow, India

Organized by: Indian Society of Chemists & Biologists (ISCB)

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6.40 PM - 6.50 PM	Muslim University, Aligarh, India <b>Stokes Radius of Duck Ovomuroid Third Domain</b>
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#### Session-VIIB (Daffodil Hall, Sixth Floor)

Chairpersons: Prof. Athina Geronikaki and Dr. Ashok K. Prasad

<b>IL-32</b> 4.40 PM - 5.00 PM	<b>Ellis O'Neill</b> Department of Plant Sciences, University of Oxford, Oxford, UK <b>Antibiotics from pond scum – exploring natural product biosynthesis in algae</b>
<b>IL-33</b> 5.00 PM - 5.20 PM	<b>Rajeev Sakhuja</b> Department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, India <b>Harvesting fused &amp; functionalized azaheterocycles via metal-catalyzed and metal-free strategies: Promising pharmacophores for drug development</b>
<b>O-35</b> 5.20 PM - 5.30PM	<b>Nazia Afrin</b> Laboratory of Microbiology, Department of Botany, Jahangirnagar University, Savar, Dhaka, Bangladesh <b>Detection of Antibacterial activity of different chemicals against pathogenic bacterial species</b>
<b>O-36</b> 5.30 PM - 5.40 PM	<b>D. Amilan Jose</b> Assistant Professor, Department of Chemistry, National Institute of Technology (NIT) Kurukshetra, Kurukshetra, Haryana, India <b>Specific Recognition and Controlled Release of Gaseous Signaling Molecules Hydrogen Sulfide (H<sub>2</sub>S) and Carbon monoxide (CO)</b>
<b>O-37</b> 5.40 PM - 5.50 PM	<b>Satyendra Singh</b> Government Girls PG College, Ghazipur, India <b>International Market and Standardization of Ayurvedic Drugs</b>
<b>O-38</b> 5.40 PM - 5.50 PM	<b>Ranjay Shaw</b> Department of Chemistry, University of Delhi, North Campus, Delhi, India <b>Transition metal free chemoselective synthesis of isolated and fused fluorenone and study of their photophysical properties</b>
<b>O-39</b> 5.50 PM - 6.00 PM	<b>Ankita Rai</b> Assistant Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi, India <b>A Metal-Free Efficient Aziridination of Olefins in Water via Nitrene Transfer Strategy</b>
<b>O-40</b> 6.00 PM - 6.10 PM	<b>Falgun Wanganuji Bansode</b> Division of Endocrinology, CSIR-CDRI, Lucknow, India <b>STUDIES ON ACUTE TOXICITY PROFILE AND UTERINE HISTOPATHOLOGICAL CHANGES AFTER UTERINE IMPLANTATION</b>



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	<b>OF SMA-COATED AND NON-COATED COPPER T (CU-T) IN RATS</b>
<b>O-41</b> 6.10 PM - 6.20 PM	<b>Ravi Kumar</b> Department of Chemistry, University of Delhi, North Campus, Delhi, India <b>Studying Association of Single-Walled Carbon Nanotubes with Small N-Containing Organic Molecules by using <sup>1</sup>H NMR Spectroscopy</b>
<b>O-42</b> 6.20 PM - 6.30 PM	<b>Lubna Azmi</b> Pharmacognosy and Ethnopharmacology Division, CSIR-National Botanical Research Institute, Lucknow, Nepal <b>A validated LC-MS/MS method for quantitative analysis of quercetin from <i>Argyrea speciosa</i> (Linn. f.) in rat plasma and its application in pharmacokinetic studies</b>
<b>O-43</b> 6.30 PM - 6.40 PM	<b>Ankita Singh</b> Bioorganic Laboratory, Kirori Mal College, Department of Chemistry, University of Delhi, Delhi, India <b>Synthesis and Biological Applications of Pyrimidine-based Cationic Amphiphiles</b>
<b>O-44</b> 6.40 PM - 6.50 PM	<b>Amr Elagamy</b> Department of Chemistry, University of Delhi, North Campus, Delhi, India <b>Synthesis of Highly Functionalized Spirobutenolides via Nitroalkane Mediated Ring Contraction of 2-Oxobenzo[h]chromenes through Denitration</b>
6.50 PM – 8.00 PM	<b>Poster Session –III (Poster Numbers 120 onwards)</b>
<b>8.00 PM</b>	<b>Dinner</b>

Monday, January 14, 2019

#### Session –VIII

Chairpersons: Prof. Ganesh Pandey and Dr. S. J. S. Flora

<b>PL-12</b> 9.00 AM – 9.25 AM	<b>Tapas K. Kundu</b> Director, CSIR-Central Drug Research Institute, Lucknow, India <b>Chemical Biology Approach to Understand Differentiation and Disease: Implication in Therapeutics</b>
<b>IL-34</b> 9.25 AM - 9.45 AM	<b>N. C. Desai</b> Division of Medicinal Chemistry, Department of Chemistry, Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar, India <b>Abstract Awaited</b>
<b>IL-35</b> 9.45 AM - 10.05 AM	<b>Om Prakash</b> Professor and Director, Mary L. Vanier Biomolecular NMR Facility, Dept. of Biochemistry and Molecular Biophysics, Kansas State University, Manhattan, USA



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	<b>Bacteria Fighting Back: Structural Basis for Function of the Staphylococcal Peroxidase Inhibitor</b>
<b>IL-36</b> 10.05 AM -10.25 AM	<b>Satpal Singh Badsara</b> Assistant Professor, Centre of Advanced Study, Department of Chemistry, University of Rajasthan, Jaipur, India  <b>Open flask, catalyst-free synthesis of oxindole containing <math>\alpha</math>-hydroxy phosphinoyl compounds</b>
<b>IL-37</b> 10.25 AM -10.45 AM	<b>Ramendra Pratap Singh</b> Department of Chemistry, University of Delhi, North Campus, Delhi, India  <b>Synthesis of various arylated benzenes from 2-(1-arylethylidene)-malononitriles</b>
<b>10.45 AM - 11.00 AM</b>	Tea

#### Session IX

Chairpersons: Prof. Vishnu K Tandon and Prof. Dalip Kumar

<b>PL-13</b> 11.00 AM -11.25 AM	<b>Alok Dhawan</b> Director, CSIR-Indian Institute of Toxicology Research, Lucknow, India  <b>Abstract Awaited</b>
<b>PL-14</b> 11.25 AM -11.50 AM	<b>C.L. Khetrpal</b> Centre of Biomedical Magnetic Resonance, Sanjay Gandhi PGI Campus, Lucknow, India  <b>NMR in Chemistry, Biology, Health Sciences and beyond</b>
<b>IL-38</b> 11.50 AM -12.10 PM	<b>Dina Nath Singh</b> Associate Professor, K.S. Saket PG College, Dr. Ram Manohar Lohia Avadh University, Faizabad, India  <b>Current status leading to the discovery of drugs from medicinal plants</b>
<b>IL-39</b> 12.10 PM -12.30 PM	<b>Devdutt Chaturvedi</b> Department of Chemistry, School of Physical & Material Sciences, Mahatma Gandhi Central University (MGCU), Dist.: East Champaran, Bihar, India  <b>Versatility of carbon disulfide: Greener synthetic strategies for biologically potent scaffolds</b>
<b>IL-40</b> 12.30 PM -12.50 PM	<b>B. K. Singh</b> Department of Chemistry, University of Delhi, North Campus, Delhi, India  <b>Abstract Awaited</b>
<b>IL-41</b> 12.50 PM -1.10 PM	<b>Hemant Joshi</b> Department of Chemistry, Birla Institute of Technology and Science, Pilani, Rajasthan, India  <b>Dibridgehead Diphosphine Cage as Molecular Receptor for Precious Metal Capture and Transport</b>



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<b>IL-42</b> 1.10 PM -1.25 PM	<b>Luxami, V.</b> School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala, India  <b>ESIPT based Hydroxy-aryl benzimidazoles/Schiff bases as chromo fluorescent sensor and logic devices</b>
<b>1.25 PM – 2.30 PM</b>	<b>Lunch</b>
<b>2.30 PM - 3.30 PM</b>	<b>Valedictory Session</b>