

<b>SECTION</b>		<b>CHEMICAL SCIENCES</b>
<b>Sectional President</b>		<b>Prof Diwan S Rawat</b> , Department of Chemistry, University of Delhi
<b>Sectional Secretary</b>		<b>Prof NB Prakash</b> , Department of Soil Science and Agricultural Chemistry, University of Agriculture Sciences, Bangalore
<b>Sectional Recorder</b>		<b>Prof Anand S Aswar</b> , Department of Chemistry, SGB Amravati University, Amravati
<b>January 04, 2020</b>		
<b>14:00 - 16:10</b>	<b>Cluster I: Pandal HALL No 07</b>	
<b>SECTIONAL COMMITTEE MEETING</b> <b>Chemical Sciences in Human Health Care</b>		
<b>Venue</b>		<b>Chairperson:</b>
<b>Presidential Address</b> <b>14:00 - 14:25</b>		<b>Diwan S. Rawat</b> Department of Chemistry, University of Delhi <i>Title: Hybrid strategy: A versatile approach for design and development of antimalarial and nanocatalysis</i>
		<b>Chairperson: Prof SP Singh</b>
<b>Platinum Jubilee Lecture</b> <b>14:25 - 14:50</b>		<b>Kamal K Kapoor</b> Department of Chemistry, University of Jammu <i>Title: Synthesis of N/O-containing fused heterocyclic compounds of biological significance</i>
		<b>Chairperson: Prof Diwan S Rawat</b>
<b>R. C. Shah Memorial Lecture</b> <b>14:50 - 15:10</b>		<b>Praveen B M</b> Srinivas School of Engineering <i>Title: Corrosion Control Measures for Steel</i>
<b>Young Scientist Award Committee</b>		
<b>15:10-15:25</b>		<b>Ms. Minju Joy</b> Central Marine Fisheries Research Institute, Ernakulam North Kochi
<b>15:25-15:40</b>		<b>Dr Sarvesh Kumar Pandey</b> Indian Institute of Science Bangalore
<b>15:40-15:55</b>		<b>Kundan Singh Rawat</b> Central Drug Research Institute, Lucknow
<b>15.55-16.05</b>		<b>Tea Break</b>
<b>Invited Talks</b>		

<b>16:05 – 17:10</b>		<b>Chairperson:</b>
16:05-16:25 <b>IL 1</b>		<b>Surendra Prasad</b> The University of the South Pacific, Suva, Fiji <i>Title: Catalytic kinetic method in food analysis at the University of the South Pacific: Iodine contents in Fijian foods</i>
16:25-16:40 <b>IL 2</b>		<b>Vijayavithal T. Mathad</b> MSN Laboratories Private Limited, Hyderabad <i>Title: The Legacy of Indian Pharmaceutical Development and Manufacturing - Converting Challenges into Opportunities: A Prospective on "Make in India" Mantra.</i>
16:40-16:55 <b>IL 3</b>		<b>Ravindra V Singh</b> Sigma-Aldrich Chemicals Pvt. Ltd (Merck Group Company), Bangalore <i>Title: Partial PROTACs, ready-to-use novel small molecule chemical entities for synthesis of PROTACs- An emerging therapeutic tool and promising new technology in drug development</i>
16:55-17:10 <b>IL 4</b>		<b>Kaman Singh</b> Babasaheb Bhimrao Ambedkar University, Lucknow <i>Title: Re-evaluation of the classical Langmuir isotherm for modeling adsorption phenomena</i>
<b>17:10 – 18:10</b>		<b>Invited Talk/Short Invited Talks</b>  <b>Chairpersons: Prof Pawan K Sharma</b>
17:10-17:25 <b>IL 5</b>		<b>Garima Jindal</b> Indian Institute of Science, Bangalore <i>Title: Role of metals in engineered metalloenzymes: A computational investigation</i>
17:25-17:40 <b>SIL 1</b>		<b>Vinita Sahu</b> National Assessment and Accreditation Council, Bangalore <i>Title: Role and importance of quality assurance and assessment of higher educational institutions</i>
17:40-17:50 <b>SIL 2</b>		<b>Amit Kumar</b> Japan Advanced Institute of Science and Technology, Japan <i>Title: Polypeptide gels originated from exotic functional aromatic amino acid, 4-amino-L-phenylalanine</i>
17:50-18:00 <b>SIL 3</b>		<b>Hirdyesh Mishra</b> MMV, Banaras Hindu University, Varanasi <i>Title: Near field effect of plasmonic nano particles on the photophysics of fluorescent molecules</i>
18:00-18:10 <b>SIL 4</b>		<b>Gurpreet Kaur</b> Punjab University, Chandigarh <i>Title: Designing of metal functionalized surfactant based smart materials for bioactive, bioinspired and catalytic applications</i>
<b>17:00 – 17:30</b>	<b>SECTIONAL COMMITTEE ELECTION</b>	

<b>January 05, 2020 Symposium</b>		
<b>14:00 - 18:25</b>		
<b>Venue</b>		<b>Cluster I: Pandal HALL No 07</b>
<b>Chemical Sciences in Human Health Care: Synthesis of Biologically Active Molecules</b>		
<b>14:00 - 15:30 Plenary Lectures (PL)</b>		
<b>Chairperson: Prof SP Singh; Co-Chairperson: Professor RKP Singh</b>		
14:00 - 14:30 <b>Key Note Lecture 1</b>		<b>VK Singh</b> Indian Institute of Technology, Kanpur <i>Title: Chiral brønsted acids for asymmetric organocatalysis</i>
14:30 - 15:00 <b>Key Note Lecture 2</b>		<b>Tatsuo Kaneko</b> Japan Advanced Institute of Science and Technology, Japan <i>Title: Photo-functional bioplastics for sustainability</i>
<b>15:30 - 16:30 Invited Lectures (IL)</b>		
<b>Chairperson: Prof KN Singh ; Co-Chairperson: Prof M Nath</b>		
15:00 - 15:20 <b>IL 6</b>		<b>DS Reddy</b> National Chemical Laboratory, Pune <i>Title: Application oriented organic synthesis: A few case studies from our group</i>
15:20 - 15:40 <b>IL 7</b>		<b>Santosh Gharpure</b> Indian Institute of Technology, Mumbai <i>Title: Reactions of al-kynes for the synthesis of oxa- and aza-cycles</i>
<b>15:40 - 15:50 Tea Break</b>		
<b>15:50 - 18:10 Invited Lectures (IL) / Short Invited Lectures (SIL)</b>		
<b>Chairperson: Prof MSM Rawat; Co-Chairperson: Prof Jagdamba Singh</b>		
15:50 - 16:10 <b>IL 8</b>		<b>KN Singh</b> Banaras Hindu University, Varanasi <i>Title: Development of some new protocols in organic synthesis</i>
16:10 - 16:30 <b>IL 9</b>		<b>Vivek Polshettiwar</b> Tata Institute of Fundamental Research, Mumbai <i>Title: Artificial nano-trees of black gold to fight climate change</i>
16:30 - 16:50 <b>IL 10</b>		<b>Kavirayani R. Prasad</b> Indian Institute of Science, Bangalore <i>Title: An unexpected entry into the realm of sulfinimines during the total synthesis of polyol natural products</i>

16:50 – 17:05 <b>SIL 5</b>	<b>S. Lalitha Nagesvari</b> United States-India Educational Foundation <i>Title: Information session on Fulbright-Nehru, Fulbright-Kalam and other Fulbright fellowship opportunities</i>
17:05 – 17:20 <b>IL 11</b>	<b>Ershad Abubacker</b> Assistant Editorial Development Manager, Royal Society of Chemistry <i>Title: Royal Society of Chemistry: Supporting Chemical Sciences in India</i>
<b>17:20 - 18:10 PM: Panel Discussion on Partnership/Collaboration Between Academia and Industry</b> <b>Moderators: Dr DS Reddy and Prof Vibha Tandon</b>	
17:20 - 18:10	<b>Industry partners:</b> <b>Dr. SN Vinaya Babu</b> , Founder and Managing Director, Bionees India Pvt Ltd, Bangalore <b>Dr K Shamanna Thyagrajan</b> , President, Regulatory Research, Crystal Crop Ltd, Delhi <b>Dr. Keshav Deo</b> , Executive Director, Almeno Pvt Ltd, Hyderabad <b>Dr Gurram Kishan</b> , CEO and MD, Sravathi Advance process Technologies Pvt Ltd, Hyderabad <b>Dr. UV Babu</b> , Head, Himalayan Drugs, Bangalore <b>Dr. Ravinder Singh</b> , Head of India R&D, Custom synthesis and Manufacturing, Sigma-Aldrich (Merck KGaA) <b>Dr. Vijayvitthal T Mathad</b> , Senior VP, MSN Labss Ltd, Telangana <b>Dr. VK Gupta</b> , Head, Reliance Industries Ltd, Mumbai <b>Dr. Anurag Mishra</b> , Senior Scientist, Reliance Ind. Ltd, Mumbai Syngenta
<b>14:30 – 17:30                      Concurrent Poster Session –I (P1-P100)</b>	

<b>January 06, 2020</b> <b>Chemical Sciences in Human Health Care: Catalysis in the Synthesis of Medicinally and Commercially Important Molecules</b>	
<b>14:00 – 16:10</b>	
<b>Venue</b>	<b>Cluster I: Pandal HALL No 07</b>
<b>14:00 – 15:00                      Key Note Lectures</b> <b>Chairpersons: Prof Tatsuo Kaneko, Co-Chairperson:</b>	
14:00 - 14:30 <b>Key Note Lecture 3</b>	<b>M. Lakshmi Kantam</b> Institute of Chemical Technology, Mumbai <i>Title: Design and development of catalysts for green, energy efficient and</i>

		<i>economical processes &amp; technologies for chemical industry</i>
14:30 - 15:00 <b>Key Note Lecture 4</b>		<b>Kazuaki Matsumura</b> Japan Advanced Institute of Science and Technology, Japan <i>Title: Thermoresponsive degradation control of polysaccharides for drug discovery.</i>
<b>15:10 - 19:10 Parallel Session I, Cluster I: Pandal HALL No 07</b>		
<b>Invited Lectures (IL)</b> <b>Chairperson: Prof M. Lakshami Kantam, Co-Chairperson: Prof R. Aggarwal</b>		
15:10-15:30 <b>IL 12</b>		<b>Vibha Tandon</b> Jawaharlal Nehru University, Delhi <i>Title: A multi-scale approach to combat the mechanisms of antimicrobial resistance through a bacterial topoisomerase IA inhibitor</i>
15:30-15:50 <b>IL 13</b>		<b>Anthony Addlagatta</b> Indian Institute of Chemical Technology, Hyderabad <i>Title: Discovery of a PfA-M1 selective inhibitor over the mammalian counterpart as antimalarial agent</i>
15:50-16:10 <b>IL 14</b>		<b>Ambrish Singh</b> Southwest Petroleum University, China <i>Title: New and effective corrosion inhibitors for N80 steel in sweet corrosive environment</i>
<b>16:10-16:20</b>		<b>Tea Break</b>
<b>16:20 - 17:10 Invited Lectures (IL)</b> <b>Chairperson:</b>		
16:20 - 16:40 <b>IL 15</b>		<b>VK Gupta</b> Reliance Industries Ltd, Mumbai <i>Title: Polyolefin catalyst technology: Paradigm shift in new generation catalyst development from serendipity to material strategy</i>
16:40 - 16:55 <b>IL 16</b>		<b>Vivek Bagchi</b> Institute of Nano Science and Technology, Mohali <i>Title: Synergistically enhanced HER activity in mesoporous Mo<sub>2</sub>C/MoO<sub>2</sub> nanocomposite</i>
16:55 - 17:10 <b>IL 17</b>		<b>Jeetender Chugh</b> Indian Institute of Science Education and Research, Pune <i>Title: Biophysical insights into RNA-protein interactions</i>
<b>17:10 - 18:10 Short Invited Lecture (SIL)/Oral Lecture (OL)</b> <b>Chairperson:</b>		
17:20 - 17:30 <b>SIL 6</b>		<b>Jovan Jose</b> University of Hyderabad

		<b>Title:</b> <i>Electrostatic guidelines for designing nanocatalysts</i>
17:30 - 17:40 <b>SIL 7</b>		<b>Sandeep Pokharia</b> MMV, Banaras Hindu University, Varanasi <b>Title:</b> <i>How organotin(IV) moiety interacts with quinolone drugs? A combined experimental and theoretical exploration</i>
17:40- 17:50 <b>SIL 8</b>		<b>Meera Yadav</b> NERIST, Nirjuli, Itanagar <b>Title:</b> <i>CeO<sub>2</sub> Nanoparticle as an emerging catalase mimicking activity</i>
17:00 - 18:00 <b>SIL 9</b>		<b>Sugumar Venkataramani</b> Indian Institute of Science Education and Research, Mohali <b>Title:</b> <i>Photoswitches–fundamentals to functional molecules</i>
18:00 - 18:10 <b>SIL 10</b>		<b>Anupaul Baruah</b> Dibrugarh University <b>Title:</b> <i>Tripeptide structural propensity based protein secondary structure prediction</i>
18:10 - 18:20 <b>OL 1</b>		<b>Gunjan Purohit</b> University of Delhi <b>Title:</b> <i>Sustainable synthesis of nanomaterial and their catalytic potential for one pot multicomponent reactions</i>
<b>14:30 – 17:30</b>	<b>Concurrent Poster Session –II (P101-P200)</b>	

<b>January 06, 2020 (Parallel Session II) Symposium</b>		
<b>15:40 – 19:20</b>		
<b>Venue</b>		<b>Cluster I: Pandal HALL No 06</b>
<b>15:10 - 16:05</b>		
<b>Invited Lecture (IL) Chairperson:; Co-Chairperson:</b>		
15:10 - 15:30 <b>IL 18</b>		<b>Tharmalingam Punniyamurthy</b> Indian Institute of Technology, Guhwati <b>Title:</b> <i>Regioselective carbon-carbon and carbon-heteroatom bond formation via C-H functionalization</i>
15:30 - 15:50 <b>IL 19</b>		<b>Anil Kumar</b> Birla Institute of Technology, Pillani <b>Title:</b> <i>Synthesis of imidazo[1,2-a]pyridine derivatives and pyridin-2-ylurea using functionalized pyridinium salts</i>
15:50 - 16:05 <b>IL 20</b>		<b>Satish K Awasthi</b> University of Delhi <b>Title:</b> <i>Peroxide based antimalarial synthetic compounds. A success story</i>
<b>16:05 - 16:15</b>		
<b>Tea Break</b>		

<b>16:15 - 17:05 PM</b>		<b>Invited Lecture (IL)</b> <b>Chairperson:</b>
16:15 - 16:35 <b>IL 21</b>		<b>Pritam Mukhopadhyay</b> Jawaharlal Nehru University, Delhi <i>Title: Synthesis and stabilization of radical ions and their varied electroactive states</i>
16:35 - 16:50 <b>IL 22</b>		<b>Sunil Bhand</b> Birla Institute of Technology and Science Pilani, Goa Campus, Goa <i>Title: Molecularly imprinted polymer based capacitive sensors for chemical contaminant analysis</i>
16:50 - 17:05 <b>IL 23</b>		<b>Prasun Kumar Roy</b> Centre for Fire, Explosive and Environment Safety, DRDO, Delhi <i>Title: Exploring the potential of electrospinning technique for fabrication of mechanically robust polyurea nanofibers</i>
<b>17:05 - 17:50</b>		<b>Invited Lecture (IL)</b> <b>Chairperson: Co-Chairperson:</b>
17:05 - 17:20 <b>IL 24</b>		<b>Vineet Kumar</b> Forest Research Institute (Deemed to be) University, Dehradun <i>Title: Structural analysis of natural products: Case studies of interesting molecules</i>
17:20 - 17:30 <b>SIL 11</b>		<b>Kalyanjyoti Deori</b> Dibrugarh University <i>Title: Development of binary metal chalcogenide and alloy nanoparticles as promising heterogeneous catalysts</i>
17:30 - 17:40 <b>SIL 12</b>		<b>Satpal Singh Badsara</b> Rajasthan University, Jaipur <i>Title: Catalyst-free synthesis of thioethers, phosphinothioates and phosphoroselenoates</i>
17:40 - 17:50 <b>SIL 13</b>		<b>Virender Singh</b> National Institute of Technology, Jalandhar <i>Title: Synthesis of chemical libraries of biologically potential <math>\beta</math>-carboline based molecular architectures from kumujian C</i>
<b>17:50-18:25</b>		<b>Invited Lecture (IL)/Short Invited Lecture (SIL)</b> <b>Chairperson: Prof Sheo Satya Prakash, Co-Chairperson: Prof J. S. Meshram</b>
17:50 - 18:05 <b>IL 25</b>		<b>Vimal Rah</b> Sri Guru Tegh Bahadur Khalsa College, University of Delhi <i>Title: MOOCs and ARPIT in chemistry: Government of India initiatives</i>
18:05 - 18:15 <b>SIL 14</b>		<b>Shilpee Sachar</b> University of Mumbai <i>Title: Surface designing of nanomaterials for biomedical applications</i>

**January 07, 2020**  
**Chemical Sciences in Human Health Care**

**14:00 – 15:25**

**Venue**

**Cluster I: Pandal HALL No 07**

**14:00-15:15 Short Invited Lecture (SIL)/Oral Lecture (OL)**

**Chairperson: Prof S. Aravamudhan, Co-Chairperson: Prof V. Bala Taxak**

14:00 - 14:10 <b>SIL 15</b>	<p><b>Surendra Singh Bisht</b>            Institute of Wood Science and Technology, Bengaluru  <i>Title: Gas chromatography and mass spectrometry (GC-MS) and infra red (IR) spectrum based method for identification and assessment of the quality of Indian Sandalwood oil and other essential oils</i></p>
14:10 – 14:20 <b>OL 2</b>	<p><b>Brejesh Rathi</b>            Hansraj College, University of Delhi  <i>Title: Discovery of novel multistage antimalarials</i></p>
14:20 - 14:30 <b>OL 3</b>	<p><b>K. L. Ameta</b>            Mody University of Science and Technology, Lakshmarhar  <i>Title: Synthesis of bioactive heterocycles using nanocatalytic framework</i></p>
14:30 – 14:40 <b>OL 4</b>	<p><b>Vinod Kumar</b>            Jawaharlal Nehru University, Delhi  <i>Title: Band gap engineering of anion doped and anion-anion codoped SnO<sub>2</sub> nanoparticles for hydrogen generation</i></p>
14:40 – 14:50 <b>OL 5</b>	<p><b>Kavita Sharma</b>            Shri Vaishnav Vidyapeeth Viswavidhyala, Indore  <i>Title: Thin layer chromatographic and spectrographic analysis of sealing wax</i></p>
14:50 - 15:00 <b>OL 6</b>	<p><b>Sushmita</b>            University of Delhi  <i>Title: Triple bond directed Csp<sup>2</sup>-N bond formation through N-fluorobenzenesulfonimide as aminating source: One-step transformation of aldehyde into amine</i></p>
15:00 - 15:10 <b>OL 7</b>	<p><b>Yogesh Kumar Pandey</b>            Allahabad University  <i>Title: Glycerol promoted synthesis of nitrogen containing heterocyclic compound</i></p>
15:10 - 15:15	<p><b>Summary by the Sectional President</b>  <b>General Discussion and Recommendations</b></p>
<b>14:00 – 15:00 PM</b>	<b>Concurrent Poster Session –II (P201-P262)</b>