



## An International Analytical Conference and Exhibition

Venue: Amity University, Noida, NCR, India

December 12-14, 2019

### Programme



#### Day-1 (12<sup>th</sup> December, 2019)

0800 – 1600 hrs	<b>Registration</b>	
0945 – 1100 hrs	<b>Inaugural Session (Venue: F2-Auditorium)</b>	
	<b>Chief Guest :</b> <i>Dr. Ashok Chauhan, Founder and President, Amity University Group</i> <b>Guest of Honor &amp; Plenary Speaker:</b> <i>Prof. Seyed Ehtesham Hasnain, Vice Chancellor, Jamia Hamdard, Delhi</i> <b>Special Guest:</b> <i>Dr. P. P. Chandrachoodan, President, ISAS-HQ, Mumbai</i>	
1100 – 1130 hrs	<b>Tea Break</b>	
<b>Technical Session : 1 &amp; 2 / Day 1 (12<sup>th</sup> Dec 2019) / 1130 - 1300 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson:</b> M.S. Alam, Jamia Hamdard, New Delhi, India	<b>Chairperson:</b> Dr. Dattatraya Gopal Naik, Maharashtra Education Society, Pune, India
1130 – 1200 hrs	<b>IL – 1</b> <b>Jay S. Seigel</b> <b>Tianjin University, China</b> Chirality in Aromatic Bowls: Structure, Configuration and Chiroptics	<b>IL – 4</b> <b>Shuchi Agarwal</b> <b>Agri-Essence (Singapore) Pte Ltd, Singapore</b> Supercritical Fluid Extraction of Essential Oils and Analysis by Gas Chromatography
1200 – 1230 hrs	<b>IL – 2</b> <b>Jochen Junker</b> <b>Oswaldo Cruz Foundation, Brazil</b> Establishing NMR as Alternative Method for Pharmaceutical Quality Control	<b>IL – 5</b> <b>Pradeep Kumar</b> <b>BARC, Mumbai, India</b> Separation and Purification of Natural Compounds by Supercritical Fluid
1230 – 1300 hrs	<b>IL – 3</b> <b>Joachim Wegener</b> <b>University of Regensburg, Germany</b> Profiling the pharmacology of G-Protein coupled receptors using label-free physical sensors.	<b>IL – 6</b> <b>Vineet Kumar</b> <b>FRI, Dehradun, India</b> Natural products analysis: case studies using diverse analytical techniques
1300 – 1400 hrs	<b>Lunch Break</b>	
<b>Technical Session : 3 &amp; 4 / Day 1 (12<sup>th</sup> Dec 2019) / 1400 - 1530 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson:</b> Olaf Kohlmann, Lexmar Inc., USA	<b>Chairperson:</b> Jay S. Seigel, Tianjin University, China
1400 – 1430 hrs	<b>IL - 7</b> <b>Kazuteru Kawauchi</b> <b>Jeol Ltd., Japan</b> Application of material analysis with soft X-ray emission spectrometer	<b>IL - 10</b> <b>Diwan S. Rawat</b> <b>University of Delhi, Delhi, India</b> Molecular hybridization in Medicinal Chemistry
1430 – 1500 hrs	<b>IL – 8</b> <b>T. Uozumi</b> <b>Toho Titanium Co. Ltd, Japan</b> Characterization of Ziegler-Natta catalyst with the latest analysis technologies	<b>IL - 11</b> <b>M.S. Alam</b> <b>Jamia Hamdard, Delhi, India</b> Analytical techniques for Natural Products Research - An area of critical importance in drug discovery
1500 – 1530 hrs	<b>IL – 9</b> <b>Tushar Gadkari</b> <b>BASF Innovation Centre, India</b> High Throughput Approach for Analysis, Purification and Characterization of small molecules	<b>IL – 12</b> <b>Ravi Sankar Ampapathi</b> <b>CDRI, Lucknow, India</b> Structural Investigations of SIX3-HD and its role in the disease Holoprosencephaly
1530 – 1600hrs	<b>Tea Break</b>	

	<b>Technical Session : 5 &amp; 6 / Day 1 (12<sup>th</sup> Dec 2019) / 1600 - 1730 hrs (Two Parallel Sessions)</b>	
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson:</b> P. P. Chandrachoodan, ISAS-HQ, Mumbai, India	<b>Chairperson:</b> K.K. Gupta, Agarwal College, Ballabgarh, India
<b>1600 - 1630hrs</b>	<b>IL - 13</b> <b>S.K. Chakarvarti</b> <b>Former NIT Kurukshetra, India</b> Electro-chemical Synthesis of Nano-/Micro Floral Structures Via Template Synthesis Using Ion-Track Etch Membranes as Sacrificial Scaffolds and Their Applications: A Review	<b>IL - 15</b> <b>Ashok K. Sharma</b> <b>Deenbandhu Chhotu Ram University of Science and Technology, Murthal, India</b> Novel composite materials: Preparation, characterization and applications
<b>1630 - 1700hrs</b>	<b>IL - 14</b> <b>Natarajan Hari</b> <b>SASTRA Deemed University, Thanjavur, India</b> The power of Fast Field Cycling NMR relaxometry as an analytical technique	<b>IL - 16</b> <b>Parveen Saini</b> <b>National Physical Laboratory, Delhi, India</b> Science & Technology for Society and Nation Buildup: From Materials to Technological Applications
<b>1700- 1730 hrs</b>	<b>CL-1 (A-35): AK Gupta, Manav Rachna University, India</b> Remediation of Polycyclic Aromatic Hydrocarbons by Green Adsorbents Using Ultrasound: A Case Study  <b>CL-2 (A-67): Raman Saini, G.G.D.S.D. College, India</b> Photovoltaic performance and impact of electrolyte on nano-titania based DSSCs	<b>CL-3 (A-6): Devender Singh, Maharshi Dayanand University, India</b> Structural and photoluminescent analysis of trivalent europium doped MLaAl <sub>3</sub> O <sub>7</sub> (M = Ba, Ca, Mg and Sr) nanophosphors  <b>CL-4 (A-82): Rakesh Kumar, University of Delhi, India</b> Design, synthesis and anticancer activity of triazole tethered isatin hybrids
<b>End of Day-1</b>		

**Day-2 (13<sup>th</sup> December, 2019)**

	<b>Technical Session : 7 &amp; 8 / Day 2 (13<sup>th</sup> Dec 2019) / 0930 – 1130 hrs (Two Parallel Sessions)</b>	
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson:</b> Deepak Saxena, Indian Oil Corporation, India	<b>Chairperson:</b> Michael Palmer, XOS, USA
<b>0930 – 1030 hrs</b>	<b>CL-5 (A-22): Shweta Hegde, SABIC Technology Center, India</b> Continuous reaction monitoring through online infrared tools  <b>CL-6 (A-152): Barun Aggarwal, BreatheEasy Consultants Pvt Ltd</b> Importance of Indoor Air Quality in Labs  <b>CL-7 (A-144): Kanhu Charan Rout, RPS Degree College, India</b> Designing of metal-organic framework (MOF)@Polybenzimidazole hollow fiber membranes for petroleum vapor recovery  <b>CL-8(A-5): Yashpal Sharma, RPS Degree College, India</b> Three Dimensional Nanofibers Based on Stimuli Responsive Polymer for Controlled Cell Growth	<b>CL-9(A-145): S.K. Pramanik, GAIL, India</b> Sulphide Removal in Petrochemical Wastewater using Undesirable CO <sub>2</sub>  <b>CL-10(A-142): Debasish Banerjee, SABIC Technology Center, India</b> NMR - A robust tool towards structure-property correlation studies  <b>CL-11(A-155): Eugenio Indrigo, Pollution Analytical Equipment, Italy</b> Determination of VOCs: from stacks to urban through innovative Analysers  <b>CL-12(A-103): Jitender Singh, RPS Degree College, India</b> Energy Storage Devices based on Nanomaterials: Case Study on High Performance Supercapacitors
<b>1030-1130 hrs</b>	<b>IL - 17</b> <b>Olaf Kohlmann</b> <b>Lexmar Inc., USA</b> Process Optimization with Industrial TD-NMR – online versus offline  <b>IL -18</b> <b>Roberta Cipullo</b> <b>University of Naples, Italy</b> NMR High-Temperature cryoprobes: a breakthrough in polyolefin analysis	<b>IL - 19</b> <b>Shivani Bhardwaj Mishra</b> <b>University of South Africa, South Africa</b> Nanotechnology: An explicit platform for material development for environmental and material applications providing sustainable solutions for industrial waste remediation  <b>IL - 20</b> <b>S. K. Mehta</b> <b>Panjab University, Chandigarh, India</b> Electron Microscope - An analytical tool for divulging the intricate framework of metal based composites
<b>1130 -1200 hrs</b>	<b>Tea Break</b>	

<b>Technical Session: 9 &amp; 10 / Day 2 (13<sup>th</sup> Dec 2019) / 1200 - 1315 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson: J. S. Sharma, Ministry of Environment Forest and Climate Change, New Delhi, India</b>	<b>Chairperson: A.K. Gupta, Manav Rachna University, India</b>
<b>1200 - 1230 hrs</b>	<b>IL – 21</b> <b>Euis Nurul</b> <b>UPN SURABAYA, Indonesia</b> Using HPSEC-OCD-UVD and F-EEMs to Assess Organic Matter and DBPs Formation in Water	<b>IL – 23</b> <b>Mohan Prasad</b> <b>Sun Pharmaceutical Industries Ltd., India</b> Process Development and Scale-up from Generics Perspective
<b>1230 – 1300 hrs</b>	<b>IL – 22</b> <b>Michael Palmer</b> <b>XOS, USA</b> Bharat VI sulfur applications, on line and off line	<b>IL – 24</b> <b>K K Bhagchandani</b> <b>Freelancer, India</b> Artificial Intelligence, What does it mean, Do I need to be concerned?
<b>1300 – 1315 hrs</b>	<b>CL- 13(A-143): Mansi Shelke, Borosil Glass Works Limited, India</b> Challenges in Nitrogen Estimation by Kjeldahl Method in the Laboratory	<b>CL-14 (A-156): Ravi Krovdi, Syngene International, India</b> Monoclonal Antibody Stability Assessment Using Advanced LC-MS/MS Approach QQQ-MS based Tryptophan Oxidation Analysis
<b>1315 – 1415 hrs</b>	<b>Lunch Break</b>	
<b>Panel Discussion / Day 2 (13<sup>th</sup> Dec 2019) / Theme : Impact of Digitalization on R&amp;D and Industry</b> <b>Venue: F3-G-04 SEMINAR HALL</b>		
<b>1415 – 1515 hrs</b>	<b>Moderator: Arun Kumar Singhal, Chief Editor, DEW Journal</b>  <b>Panelists:</b> <b>Navin Kumar, Larus Infosystems (India) Pvt Ltd, India</b> <b>KK Baghchandani, Freelancer, India</b> <b>GS Kapur, Indian Oil Corporation Ltd., India</b> <b>Dhileep Krishnamurthy, Senior Pharmaceutical Expert, China</b>	
<b>1515– 1800 hrs</b>	<ul style="list-style-type: none"> <li>• <b>Poster Session (All Posters)</b></li> <li>• <b>Visit to Exhibition</b></li> <li>• <b>Networking Tea</b></li> </ul>	
<b>1515-1545 hrs</b>	<b>GBM of ISAS-Delhi Chapter</b>	
<b>End of Day – 2</b>		

### Day-3 (14<sup>th</sup> December, 2019)

<b>Technical Session - 11 &amp; 12 / Day 3 (14<sup>th</sup> Dec 2019) / 0930 - 1130 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson: J. L. Sharma, former Delhi University, India</b>	<b>Chairperson: Sunil Garg, J.C. Bose University of Science and Technology, YMCA, Faridabad, India</b>
<b>0930 – 1030 hrs</b>	<b>CL-15 (A-4): Priya Saharan, DCRUST, India</b> Biocompatible carbon based composite for water decontamination using advanced technology  <b>CL-16 (A-53): Y S Jhala, Indian Oil (Gujrat Refinery), India</b> Study of the significant reduction in research octane number of Motor gasoline and effective blending RON due light effect  <b>CL-18(A-58): Kalawati Saini, University of Delhi, India</b> ZnO nanoparticles synthesized with extract of leaves of Azadirachta indica : Induce apoptosis in human lung cancer cells  <b>CL-17(A-138): Ravindra Singh, Indian Oil (R&amp;D), India</b> Trace level estimation of Drag Reducing Agent (DRA) in Aviation Turbine Fuel (ATF) samples by GPC technique	<b>CL-19 (A-59): Ravinder Kumar, Gurukul Kangri Vishwavidyalaya, India</b> Oxidation of aromatic hydrocarbons using copper(II) complexes of a benzimidazolyl ligand  <b>CL-20(A-88): Maya Chakradhar, Indian Oil (R&amp;D) , India</b> Detailed characterization of injector deposit due to fuel contamination  <b>CL-21(A-159): Nihar Dash, Indian Oil (Una Terminal Lab), India</b> Fluorescence spectral studies of ionic liquid 1-Butyl-3-methylimidazolium hexafluorophosphate on sensing properties of 2-(4'-N,N-Dimethylamino)phenylimidazo[4,5-b]pyridine  <b>CL-22(A-139): Sunil Iyer, SKYTECH SYSTEMS (INDIA) PVT. Ltd., India</b> Latest Innovation in Elemental Analysis
<b>1030-1130 hrs</b>	<b>IL -25</b> <b>S.K. Bhal</b> <b>Advanced Chemistry Development Labs, Canada</b> Enabling Digital Transformation and Enhanced Collaboration with Live Analytical Knowledge Management	<b>IL -27</b> <b>Rajeev Raghavan</b> <b>VSSC, Thiruvananthapuram, India</b> Application of Analytical Chemistry in the development of Solid propulsion Systems for Space Technology

	<b>IL -26</b> <b>G.S. Sodhi</b> <b>S.G.T.B. Khalsa College, Delhi, India</b> Significance of Analytical Reagents for Combating Crime	<b>IL – 28</b> <b>Ajay Kumar Mishra</b> <b>University of South Africa</b> Smart Composite Materials for Environmental Sustainability
<b>1130 – 1200 hrs</b>	<b>Tea Break</b>	
<b>Technical Session- 13 &amp; 14 / Day 3 (14<sup>th</sup> Dec 2019) / 1200 – 1330 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson: Raghaw Saran, AMD / DAE (former), India</b>	<b>Chairperson: Anjan, Ray, CSIR-IIP Dehradun, India</b>
1200 – 1230 hrs	<b>IL -29</b> <b>Ekramul Mahmud</b> <b>University of Malaya, Malaysia</b> Effective Adsorption Of Copper Ions From Aqueous Solution By Polypyrrole-Polyethyleneimine	<b>IL – 31</b> <b>Anil Mane</b> <b>Lubrizol India Pvt. Ltd., India</b> Protecting combustion engines from acidic corrosive wear – The challenges of measuring acid and base in modern engine lubricants
1230 - 1300 hrs	<b>IL -30</b> <b>Jose H. Santos</b> <b>Universiti Brunei Darussalam, Brunei</b> The Use of Electroanalytical Techniques for Rapid Screening of Antioxidant Capacities in Foods and Beverages	<b>IL – 32</b> <b>Amarjit S. Sarpal</b> <b>OCS, PR-PNC, Panipat, India</b> Study of product potential of microalgae biomasses by NMR, MS and IR techniques
1300 – 1330 hrs	<b>CL- 23(A-130): Naveen Kumar, Maharshi Dayanand University, Rohtak, India</b> Hydrothermally synthesized ZnO/CuO nano-composite and their photo-catalytic activity  <b>CL- 24(A-3): Sandesh C J, BASF Chemicals India Pvt. Ltd, India</b> Residual Dipolar Coupling -NMR for conformational Analysis	<b>IL –33</b> <b>T P V Ranganadham</b> <b>UOP, A Honeywell Company, India</b> Advanced Characterization for Industrial Catalysis Applications
<b>1330 – 1415 hrs</b>	<b>Lunch Break</b>	
<b>Technical Session- 15 &amp; 16 / Day 3 (14<sup>th</sup> Dec 2019) / 1415 – 1615 hrs (Two Parallel Sessions)</b>		
	<b>Venue: F3-G-04 SEMINAR HALL</b>	<b>Venue: F3-G-05 MPD HALL</b>
	<b>Chairperson: J. Christopher, Indian Oil Corporation</b>	<b>Chairperson: Ashok K Sharma, DCRUST, India</b>
1415 - 1445 hrs	<b>IL – 34</b> <b>Pawan Kumar Bharti</b> <b>Shriram Institute for Industrial Research, Delhi, India</b> Role of physical, chemical and biological analysis in Antarctica	<b>IL – 37</b> <b>Daisy Joseph</b> <b>BARC Mumbai, India</b> X-ray Emission Techniques in Analytical Sciences
1445 – 1515 hrs	<b>IL – 35</b> <b>Raghaw Saran</b> <b>AMD / DAE (former), India</b> Glimpses of Analytical Techniques in Trace Elements Analysis	<b>IL - 38</b> <b>Ishwar Singh</b> <b>MDU, Rohtak, India</b> SELENIUM: An Element that Requires Serious Attention
1515- 1545 hrs	<b>IL – 36</b> <b>Raj K. Singh</b> <b>CSIR-IIP, Dehradun, India</b> Environmentally benign multifunctional lubricant additives from organic transformations of renewable feed stocks	<b>CL- 27(A-55): Richa Nagar, Amity University, India</b> Thiolic regulation of Arsenic caused cellular injury: An insight  <b>CL- 28(A-93): Deenan Santhiya, Delhi Technological University, India</b> Bioactive glasses – a third generation biomaterials
1545- 1615 hrs	<b>CL - 25(A-17): Renu Saraswat, Meerut college, India</b> Extraction methods and Analytical techniques for Screening of Phytochemicals from plants  <b>CL - 26(A-84): Kalpana Chauhan, Central University of Haryana, India</b> Mesopores Tanninate-Chitosan for Water Application	<b>CL- 29(A-95): Manisha Singhal, RGPG College, India</b> Synthesis and Medicinal Importance of Benzoxazine, Benzoxazinone and their Derivatives: A short review  <b>CL- 30(A-40): Ram Janam Singh, Indian Oil (Barauni Refinery) , India</b> Advances in Refining Catalysts: Stability and Reactivity
1615 -1645 hrs	<b>Valedictory Session (Venue: F3-G-04 SEMINAR HALL)</b>	
	<b>Awards to</b> <ul style="list-style-type: none"> <li>• <b>Best Poster Presentations (10 Number)</b></li> <li>• <b>Best Exhibitors (2 Number)</b></li> </ul>	
1645 hrs	<b>High Tea and End of conference</b>	