

**Indo-German Workshop-2022:  
Complex Chemical Systems  
(IGW-CCS-2022)**

**OCTOBER 6-9, 2022**

**Taj Fisherman's Cove Beach Resort  
Mahabalipuram  
India**

**Indo-German Workshop-2022: Complex Chemical Systems  
(IGW-CCS-2022; 6-9 October 2022)**

**Day-1: October 6, 2022 (Thursday)**

**Venue: Hotel Taj Fisherman's Cove, Mahabalipuram**

<b>Inauguration</b> (3.00 – 3.15 PM)	<p><b>Welcome:</b> G. Sekar (IIT Madras) Alexander Heckel (Goethe University-Frankfurt)</p> <p><b>Indo-German S&amp;T Initiatives:</b> Srivari Chandrasekhar (Secretary, DST)</p>
<b>SESSION 1</b> (3.15 – 4.45 PM)	<b>Chairperson: V. K. Singh (IIT Kanpur)</b>
3.15 – 3.45 PM	<b>Petra Tegeder</b> (University of Heidelberg) <i>Electronic Properties of Interfaces with N-Heteropolycyclic Molecules</i>
3.45 – 4.15 PM	<b>R. Mahalakshmi</b> (IISER Bhopal) <i>Physico-chemical self-assembly landscape of the human voltage-gated anion channel</i>
4.15 – 4.45 PM	<b>Anand Singh</b> (IIT Kanpur) <i>Visible Light Mediated Functionalization of <math>\pi</math>-Systems</i>
4.45 – 5.15 PM	<b>TEA / COFFEE BREAK</b>
<b>SESSION 2</b> (5.15 – 7.15 PM)	<b>Chairperson: K. P. Kaliappan (IIT Bombay)</b>
5.15 – 5.45 PM	<b>Jürgen Seibel</b> (University of Würzburg) <i>Sphingolipids in infection</i>
5.45 – 6.15 PM	<b>N. D. Pradeep Singh</b> (IIT Kharagpur) <i>Temporal Release of Cell Cycle Regulator <math>\alpha</math>-lipoic acid: NIR-light Activatable Quinoxaline Based Nano-prodrug Delivery System</i>
6.15 – 6.45 PM	<b>Jürgen Köhler</b> (University of Bayreuth) <i>The light harvesting complex of the marine alga <i>Codium fragile</i>. Spectroscopy of single siphonaxanthin-siphonein-Chl-a/b-proteins (SCP): A Status Report</i>
6.45 – 7.15 PM	<b>R. Madhan</b> (Director, IGSTC) <i>Indo-German Science &amp; Technology Centre (IGSTC)</i>
<b>7.30 PM</b>	<b>MIXER &amp; DINNER</b>

## Day-2; October 7, 2022 (Friday)

<b>SESSION 3</b> (9.30 – 11.30 AM)	<b>Chairperson:</b> G. Mugesh (IISc Bangalore)
9.30 – 10.00 AM	<b>Snorri Sigurdsson</b> (University of Iceland) <i>Improving the sensitivity of NMR spectroscopy with stable radicals</i>
10.00 – 10.30 AM	<b>Ramesh L. Gardas</b> (IIT Madras) <i>Benign Solvents as Performance Additives to Enhance the Extraction of Micropollutants and Heavy metals</i>
10.30 – 11.00 AM	<b>Josef Wachtveitl</b> (Goethe-University Frankfurt) <i>Azobenzene photoswitch scaffolds: scope and (bio-)molecular applications</i>
11.00 – 11.30 AM	<b>K. Geetharani</b> (IISc Bangalore) <i>Development of N-Heterocyclic Carbene Complexes of Cobalt for Carbon-Boron Bond Formation</i>
11.30 – 12:00 Noon	<b>TEA / COFFEE BREAK</b>
<b>SESSION 4</b> (12.00 – 1.30 PM)	<b>Chairperson:</b> Kausik Panda (Syngenta)
12:00 – 12.30 PM	<b>Tomáš Slanina</b> (IOCB Prague) <i>Reversibility in Photochemistry: Beyond the Classical Approaches</i>
12.30 – 1.00 PM	<b>Dibyendu Das</b> (IISER Kolkata) <i>Living Matter Like Materials via Complex Chemical Systems</i>
1.00 – 1.30 PM	<b>Surajit Ghosh</b> (IIT Jodhpur) <i>Engineered Antimitotic Peptide Evolved from Hotspots of Tubulin Interface</i>
1.30 – 2.30 PM	<b>LUNCH</b>
<b>SESSION 5</b> 2.30 – 4.30 PM	<b>Chairperson:</b> Snorri Sigurdsson (University of Iceland)
2:30 – 3.00 PM	<b>Bernd Engels</b> (University of Würzburg) <i>Boron Chemistry What Can Theory Contribute New And What To Pay Attention To For Accurate Calculations</i>
3.00 – 3.30 PM	<b>Ravi P. Singh</b> (IIT Delhi) <i>Dehydrogenative C-C and C-P Bond Formation</i>
3.30 – 4.00 PM	<b>Andreas Dreuw</b> (University of Heidelberg) <i>Quasi-Particles in Chemistry</i>
4.00 – 4.30 PM	<b>P. Rajamalli</b> (IISc Bangalore) <i>Organic Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes</i>
4.30 – 6.30 PM	<b>TEA / COFFEE BREAK</b> <b>FREE TIME</b>
6.30 – 7.30 PM	<b>Panel Discussion: Sharing knowledge through open science and open access</b> <b>Moderator:</b> <b>V. K. Singh</b> (IIT Kanpur) <b>Sandeep Verma</b> (IIT Kanpur/SERB), <b>Alexander Heckel</b> (Goethe University-Frankfurt), <b>Ajit Sharma</b> (RSC), <b>Harshita Pawar</b> (ACS) and <b>Khushbu Kushwaha</b> (Wiley-VCH)
7.30 PM	<b>BANQUET DINNER</b>

### Day-3: October 8, 2022 (Saturday)

<b>SESSION 6</b> (9.30 – 11.00 AM)	<b>Chairperson:</b> H. N. Ghosh (BARC Bombay)
9.30 – 10.00 AM	<b>Nina Morgner</b> (Goethe-University Frankfurt) <i>Biomolecular complexes: required and unwanted assemblies – what can we learn with native mass spectrometry?</i>
10.00 – 10.30 AM	<b>Prasanta K. Das</b> (IACS, Kolkata) <i>Organic Nanostructures in Cellular Transportation</i>
10.30 – 11.00 AM	<b>Nidhi Gour</b> (Indrashil University) <i>Metabolite amyloids and its possible implications in disease etiology</i>
11.00 – 11.30 AM	<b>TEA / COFFEE BREAK</b>
<b>SESSION 7</b> (11.30 – 1.00 PM)	<b>Chairperson:</b> Bernd Engels (University of Würzburg)
11.30 – 12.00 noon	<b>Alexander Heckel</b> (Goethe-University Frankfurt) <i>Regulation of Oligonucleotides in Time and Space</i>
12.00 – 12.30 PM	<b>S. G. Srivatsan</b> (IISER Pune) <i>Probing nucleic acid conformations using responsive nucleoside probes</i>
12.30 – 1.00 PM	<b>T. Govindaraju</b> (JNCASR, Bangalore) <i>Molecular Theranostics</i>
1.00 – 1.10 PM	<b>Concluding Remarks</b> <b>Sandeep Verma</b> (IIT Kanpur/SERB) Closure of IGW-CCS-2022
1.10 – 2.00 PM	<b>LUNCH</b>
2.00 – 6.30 PM	<b>Excursion to Mahabalipuram</b>
7.30 PM	<b>DINNER</b>

**October 9, 2022 (Sunday)**

**Departures After Breakfast**



Scan here for the Abstract Book