

## Program Schedule

July 07, 2022 (Thursday)

Venue: IISER Mohali Auditorium (LH7, Lecture Hall Complex)

08:30-09:30	<b>REGISTRATION</b>
09:30-10:50	<b>INAUGURATION &amp; PRESIDENTIAL ADDRESS by</b> Vinod K. Singh, President CRSI & IIT Kanpur
<b>Tea/Coffee (10:50-11:20)</b>	
<b>SESSION 1 (11:20 - 13:00)</b>	
<b>CRSI-ACS Lectures</b> Chairperson: V. Chandrasekhar, TIFR Hyderabad & IIT Kanpur	
11:20-11:50	<i>Michelle Coote</i> , Australian National University, Australia <b>Catalysing reactions with electric fields</b>
<b>CNR Rao National Prize for Chemical Sciences</b> Chairperson: T. K. Chandrashekar, IIT Kanpur	
11:50-12:20	<i>Subi J. George</i> , JNCASR Bangalore <b>Molecular programming at the higher hierarchical levels of supramolecular self-assembly</b>
<b>CRSI Bronze Medal Lectures</b> <b>Chairperson: Jitendra K. Bera, IIT Kanpur</b>	
12:20-12:40	<i>Sankar Guchhait</i> , NIPER Mohali <b>Natural product-inspired scaffold hopping and strategic synthesis: Discovery of target-specific anticancer agents</b>
12:40-13:00	<i>Vishal Rai</i> , IISER Bhopal <b>Human nature inspires precision engineering of proteins</b>
<b>Lunch (13:00 - 14:30)</b>	
<b>Poster Presentations-1 (Poster Nos. P1-P165) (14:00-16:00)</b> <b>Co-chairpersons:</b> Mainak Sadhukhan, Pratik Sen, J. Shankar, Alakesh Bisai, Madhulata Shukla, S. Nembenna, Akhilesh Verma, Raja Angamuthu and K. Muruga Poopathi Raja, S. Nagendran and Sandip Murarka	
<b>Council Meeting (14:00-15:30)</b> (Only for council members, Venue: Meeting Room, 2 <sup>nd</sup> Floor, Administrative Block, IISER Mohali)	
<b>Tea/Coffee (15:30-16:00)</b>	
<b>SESSION 2 (16:00 – 19:00)</b>	
<b>CRSI-ACS Lectures</b> Chairperson: Prasad V. Bharatam, NIPER Mohali	
16:00-16:30	<i>Christa E. Müller</i> , University of Bonn, Germany <b>Chemical tools targeting purine-binding membrane proteins involved in inflammation, immunity, and cancer</b>

**29<sup>th</sup> CRSI-NSC Symposium & CRSI-ACS Symposium Series in Chemistry**  
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16:30-17:00	<i>Peter Licence</i> , University of Nottingham, U.K. <b>Chemistry in-vacuo: Suck it and see!</b>
<b>CRSI Silver Medal Lecture</b> Chairperson: Sourav Pal, IISER Kolkata	
17:00-17:30	<i>Hirendra N. Ghosh</i> , INST Mohali <b>Ultrafast polaron dynamics in perovskites materials</b>
<b>CRSI Bronze Medal Lectures</b> Chairperson: G. Sekar, IIT Madras	
17:30-17:50	<i>Nidhi Jain</i> , IIT Delhi <b>Synthetic streamlining via C-H bond functionalization</b>
17:50-18:10	<i>Pralay Das</i> , CSIR-IHBT, Palampur <b>Lignocellulosic bio-mass conversion to furan compounds and their applications for high-value chemicals synthesis</b>
<b>CRSI-ACS Lectures</b> Chairperson: G. Mugesh, IISc Bangalore	
18:10-18:40	<i>Laura L. Kiessling</i> , Massachusetts Institute of Technology, USA <b>Chemical probes to image mycobacteria</b>
<b>Dinner (19:30 - 22:30)</b>	

**July 08, 2022 (Friday)**

<b>SESSION 3 (09:30 - 13:00)</b>	
<b>CRSI Medal Lecture</b> Chairperson: T. Punniyamurthy, IIT Guwahati	
09:30-10:00	<i>M. Manoharan</i> , Alnylam Pharmaceuticals, Inc., USA <b>Living in the world of RNA therapeutics through chemistry</b>
<b>S. Chandrasekaran Endowment Lecture</b> Chairperson: K. P. Kaliappan, IIT Bombay	
10:00-10:30	<i>Arun Ghosh</i> , Purdue University, USA <b>Molecules, and molecular design in today's medicine: from drug-resistant HIV/AIDS to COVID-19</b>
<b>CRSI Bronze Medal Lectures</b> Chairperson: Bhanu Manjunath, Syngenta Biosciences Pvt. Ltd.	
10:30-10:50	<i>Pratik Sen</i> , IIT Kanpur <b>From small molecule to complex bio-systems: Physical insight into how dynamics at various length and timescale control chemistry</b>
10:50-11:10	<i>Srabanti Chaudhury</i> , IISER Pune <b>Stochastic approaches to understanding reaction dynamics on catalysts</b>
<b>Tea/Coffee (11:10-11:40)</b>	
<b>Special Session on Women in Chemical Sciences (11:40-13:30)</b> <b>Session-1, Sponsored by IOL-Chemicals and Pharmaceuticals</b> Chairperson: H. Ila, JNCASR, Bangalore	

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11:40-12:00	<i>Dimpy Kalia</i> , IISER Bhopal <b>Cascaded 1,2 aminothiols-triggered Michael addition-elimination reactions for nanomolar cysteine detection and rapid protein bioconjugation</b>
12:00-12:20	<i>Vandana Bhalla</i> , GNDU, Amritsar <b>'Light up' materials: Self-assembly and catalytic applications</b>
12:20-12:40	<i>Ritika Gautam</i> , IIT Kanpur <b>Elucidation of naphthol-derived 'ONO' ligands and their transition metal complexes as a source of oxidative stress induction and insight into the mechanism of action</b>
12:40-13:00	<i>Jayeeta Bhaumik</i> , CIAB Mohali <b>Solving agri-waste problems with chemistry tools: Development of lignin derived functional materials and platform chemicals</b>
<b>Lunch (13:00 - 14:30)</b>	
<b>Poster Presentations-2 (Poster Nos. P166-P324) (14:00-16:00)</b>  <b>Co-chairpersons:</b> Debashree Ghosh, Dattathraya Dethé, V. Krishnan, Anil Kumar, Rajesh Viswanathan, Ravi P. Singh, Debashree Chakraborty, Mayilmurugan, Anoop Thomas, Dipti Kakkar Thukral and Srabanti Choudhury	
<b>Tea/Coffee (15:30-16:00)</b>	
<b>SESSION 4 (16:00-19:00)</b>	
<b>Gold Medal Lecture</b> Chairperson: S. Chandrasekaran, IISc Bangalore	
16:00-16:50	<i>D. Basavaiah</i> , University of Hyderabad <b>The Baylis-Hillman reaction: Our vision, thirty-eight years of our experience and contributions</b>
<b>Presentation of Medals and General Body Meeting</b> 17:00-19:00	
<b>Dinner (19:00 - 21:00)</b>	

**July 09, 2022 (Saturday)**

<b>SESSION 5 (09:00 - 13:00)</b>	
<b>CRSI-ACS Lecture</b> Chairperson: Arun Ghosh, Purdue University, USA	
09:00-09:30	<i>Scott J. Miller</i> , Yale University, USA <b>Searching for selective catalytic reactions in complex molecular environments</b>
<b>Special Session on Women in Chemical Sciences (10:30-11:30)</b> <b>Session-2 sponsored by Syngenta Biosciences Pvt Ltd.,</b> Chairperson: Vibha Tandon, JNU, New Delhi	
09:30-09:50	<i>Debashree Ghosh</i> , IACS Kolkata <b>Photophysics of skin pigment melanin</b>
09:50-	<i>Sanchita Sengupta</i> , IISER Mohali

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10:10	<b>Multi-stimuli programmable FRET light harvesting antenna towards ratiometric temperature, pH and multiple metal ion sensing</b>
<b>Presentations by Industrial Delegates and Publishers</b> Chairperson: Sanjay Batra, CDRI Lucknow	
10:10-10:30	<i>Kunal Gupta</i> , American Chemical Society International India <b>Resources at ACS to advance your career</b>
10:30-10:50	<i>Srinivasa Marimganti</i> , IOL Chemicals & Pharmaceuticals <b>Sustainability of pharma &amp; chemical industry at global level – IOL's aggressive and innovative approach</b>
<b>Tea/Coffee (10:50-11:10)</b>	
<b>Presentations by Industrial Delegates and Publishers</b> Chairperson: Dattatraya H. Dethe, IIT Kanpur	
11:10-11:30	<i>Prathapa Siriyara Jagannatha</i> , Bruker India Scientific Pvt. Ltd. India <b>Achieving fast and best-quality data with the latest developments in single crystal X-ray diffraction</b>
11:30-11:50	<i>Khushbu Kushwaha</i> , Associate Editor, Wiley <b>About Wiley, its activities in India and initiatives on women in science</b>
<b>CRSI-ACS Best Poster Awards (11:50-12:20)</b> <b>Representative from ACS and Chairperson of Jury Poster Sessions: Partha Sarathi Mukherjee, IISc Bangalore</b>	
<b>Presentation by Organizers of the Next CRSI Symposium (12:20-12:30)</b> Convener of the 30 <sup>th</sup> CRSI Symposium	
<b>Concluding Remarks (12:30-12:40)</b> Vinod K. Singh, President CRSI	
<b>Vote of Thanks (12:40-13:00)</b> Neelima Gupta, Secretary CRSI R. Vijaya Anand, Co-convener, 29 <sup>th</sup> CRSI-NSC	
<b>Lunch and Departure (13:00-14:30)</b>	