

12th CRSI-RSC Symposium

Thursday, 1st February 2018

VENUE: Pt. Deendayal Upadhyay Auditorium
(Govt. N. P. G. Science College Campus)

08.30 – 9.30	Registration
09.30 – 09.45	Remarks by Prof. N. Sathyamurthy, President, CRSI
09.45 – 10.00	Remarks by Mr. Harp Minhas, Royal Society of Chemistry
SESSION I	CHAIRPERSON: Sourav Pal
10.00 – 10.30	Hywel Morgan, University of Southampton, UK Title : From Smart Phones to Diagnostics
10.30 – 11.00	Biman Bagchi, IISc Bengaluru Title: Modernizing Classical Physical Chemistry and Physical Biology
11.00 – 11.30	TEA/COFFEE
SESSION II	CHAIRPERSON: N. Sathyamurthy
11.30– 12.00	Sylvia McLain, University of Oxford, UK Title: Probing Biomolecular Structure in Aqueous Solution: Insights from Neutron Diffraction and Computation
12.00 – 12.30	Vinod K. Singh, IISER Bhopal Title: Enantioselective Approach towards Isoindolinone, Lactone and Cyclohexane ring systems
12.30 – 13.00	V. Chandrasekhar, TIFR, Hyderabad Title: NHC-stabilized Hydrophosphasilenes and Hydrosilamines and NHC-assisted Reactivity of a Diphosphene
13.00 – 14.30	LUNCH
SESSION III	CHAIRPERSON: Hywel Morgan
14.30 – 15.00	Serena Corr, University of Glasgow Title: Microwave-Assisted Synthesis of New Materials for Safer, All Solid-State Batteries

15.00 – 15.30	Ashok K. Ganguli, IIT Delhi Title: Design of Nanostructures for Energy and Environmental Applications
15.30 – 17.00	Interactive Session
17.00 – 17.15	Concluding Remarks
17.15 – 17.45	TEA/COFFEE
19.30 – 22.00	DINNER

CRSI–22nd National Symposium in Chemistry (NSC-22)

PROGRAMME

Friday, 2nd February 2018

VENUE: Pt. Deendayal Upadhyay Auditorium

(Govt. N. P. G. Science College Campus)

08.30 - 09.45	Registration
SESSION I: INAUGURATION AND PRESIDENTIAL ADDRESS	
09:45– 11.00	
11.00 – 11.30	HIGH TEA
SESSION II: SPECIAL LECTURES	
11.30 – 13.00	CHAIRPERSON: V. Krishnan
11.30 – 12:15	Special Lecture and Medal Lectures C. N. R. Rao , National Research Professor and Linus Pauling Research Professor, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore Title: Inorganic Graphene Analogues: Recent Results

12:15 – 12.45	CRSI Medal Lecture Challa Vijaya Kumar , University of Connecticut. USA Title: Biological Materials: From Protein Nanoparticles to Supercapacitors to Molecular Assemblies On Millimeter Length Scales
12.45-13.15	Silver Medal Lecture A. K. Tyagi , Bhabha Atomic Research Centre, Mumbai Title: Rational Design of Functional Materials: A Chemist's Approach
13.15 – 16.00	LUNCH AND POSTER SESSION-I (Venue : Center for Basic Sciences) Posters No. 1 to 90 CHAIRPERSON: Amiya Panda
14.00 – 15. 30	COUNCIL MEETING (Members only)
15.30 – 16.00	TEA/COFFEE

SESSION III: SPECIAL AND MEDAL LECTURES	
16.00 – 18.30	CHAIRPERSON: S. Chandrasekaran
16.00 – 16.30	C. N. R. Rao Award Lecture Clement Sanchez , College de France, Paris Title: Bio-inspired Integrative Materials Chemistry: From Nanomaterials Design to Applications
16.30 – 17.00	CRSI Medal Lecture Jas Pal Badyal, FRS , Durham University, UK Title: Functional Nanocoatings for Technological and Societal Applications
17.00 – 17.45	Gold Medal Lecture : Chairperson: N. Sathyamurthy
	Vijay Nair , CSIR NIIST, Thiruvananthapuram Title: Recent Advances in Organic Synthetic Methodology
18.00 – 19.30	Cultural Program (Pt. Ravishankar Shukla Auditorium)

19.30 – 21.30	DINNER
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Saturday, 3rd February 2018

VENUE: Pt. Ravishankar Shukla Auditorium

SESSION IV: SPECIAL AND MEDAL LECTURES	
09:00 – 10.30	CHAIRPERSON: K. P. Kaliappan
09.00 – 09.30	Mizhushima-Raman Lecture Kazuo Takatsuka , University of Tokyo, Japan Title: Electron Dynamics in Chemical Reactions
09.30 - 09.50	Bronze Medal Lecture Anindya Datta , Indian Institute of Technology, Bombay Title: Strategies for Enhancement of Emission from Weakly Fluorescent Molecules
9.50 – 10.10	Bronze Medal Lecture Deepa Khushalani , Tata Institute of Fundamental Research, Mumbai Title: Coupling Energy Capture and Storage- Endeavoring to make a Solar Battery
10.10-10.40	Silver Medal Lecture R. Ramaraj , Madurai Kamaraj University, Madurai Title: Design of Modified Electrodes and their Applications
10.40 – 11.00	TEA/COFFEE
SESSION V: Thematic Mini-Symposium:	
(I) SERB Policies to Address Interdisciplinary Approaches in Earth and Atmospheric Environmental Researches	
11.00 -11.30 AM	CHAIRPERSON: Shamsh Pervez

11.00 – 11.30	<p>Invited Lecture</p> <p>Rajiv Kumar Mehajan, SERB, New Delhi</p> <p>Title: SERB-Empowering Basic Research in India and Status of R&D in Earth & Atmospheric Sciences</p>
<p>(II) New Approaches to Address Bio-Geo Environmental Pathways of Chemical Pollutants</p> <p>11.40- 1.00 PM CHAIRPERSON: Shamsh Pervez</p>	
11.40 – 12.00	<p>Invited Lecture</p> <p>Vinayak Sinha, IISER, Mohali</p> <p>Title: Atmospheric Chemistry Research at the Climate and Air Quality Interface: Agricultural Waste Burning in the North-West Indo-Gangetic Plain</p>
12.00 – 12.20	<p>S K Goyal, NEERI, New Delhi</p> <p>Title: Understanding Nature and Green Chemistry for Sustainable Development</p>
12.20 – 12.40	<p>Invited Lecture</p> <p>Suresh Tiwari, Indian Institute of Tropical Meteorology, New Delhi</p> <p>Title: Assessment of Carbonaceous Aerosols over the Northern Part of India and its Impact on Regional Climate</p>
13.00 – 16.00	<p>LUNCH AND POSTER SESSION II (Venue : Center for Basic Sciences) Posters No. 91-180</p>

	CHAIRPERSON: Prodeep Phukan
15.30 – 16.00	TEA/COFFEE
SESSION VI: INVITED AND MEDAL LECTURES	
16.00 – 17.20	CHAIRPERSON: Satish Patil
16.00 – 16.20	Bronze Medal Lecture Sripada S. V. Ramasastry , Indian Institute of Science Education and Research (IISER), Mohali Title: Organocatalytic Alternatives for the Synthesis of Cyclopenta-Fused Arenes and Heteroarenes
16.20 – 16.40	Bronze Medal Lecture Satrajit Adhikari , Indian Association for Cultivation of Science, Kolkata Title: Beyond Born-Oppenheimer Theories on Molecular Processes and Phase Transitions in Solid States
16.40 – 17.00	Bronze Medal Lecture K. R. Justin Thomas , Indian Institute of Technology, Roorkee Title: Organic Materials for Electronic Applications
17.00 -17.30	CNR Rao National Prize for Chemical Research J. K. Bera , Indian Institute of Technology, Kanpur Title: Water in Organometallic Catalysis
17.30 – 18.45	General Body Meeting and Presentation of Medals/Awards
19.00 – 21.30	DINNER

Sunday, 4th February 2018

VENUE: Pt. Ravishankar Shukla Auditorium

SESSION VII: MEDAL LECTURES	
09.15 – 10.15	CHAIRPERSON: Anirban Misra
09.15 – 09.45	Silver Medal Lecture C. Pulla Rao , Indian Institute of Technology, Mumbai

09.45-10.15	<p>Title: Our Recent Experiences with Inorganic – Protein Hybrids</p> <p>Bronze Medal Lecture Pawan K. Sharma, Kurukshetra University Title: Paradigm Shift in Drug Design and Discovery</p>
10.15 – 10.45	TEA/COFFEE
<p>SESSION VIII: MEDAL LECTURES 10.45 – 13.10 CHAIRPERSON: R. Murugavel</p>	
10.45 – 11.05	<p>Bronze Medal Lecture Anirban Misra, North Bengal University, Darjeeling Title: Exo-Cyclic Aromaticity</p>
11.05 – 11.25	<p>Bronze Medal Lecture Alakananda Hazra, Viswabharati University, Santiniketan Title: Design, Synthesis and Functionalization of Imidazoheterocycles</p>
11.25 – 11.45	<p>Bronze Medal Lecture P. Sujatha Devi, CRSI-CGCRI, Kolkata Title: Emerging Application of Nanomaterial in Biochemical Research</p>
11.45 – 12.05	<p>Bronze Medal Lecture Vinod K. Shahi, CSIR-CSMCRI, Bhavnagar Title: Charged Membrane Based Green Technologies for Water & Energy</p>
12.05-12.25	<p>Bronze Medal Lecture Kumaresh Ghosh, University of Kalyani, Kalyani Title: Design and Synthesis of Pyridine and Benzimidazole Scaffolds-Based Molecular Architectures for Selective Sensing of Ions</p>
12.25 – 13.00	Presentation of Poster Award and Closing Remarks
13.00 – 14.00	LUNCH AND DEPARTURE

