

12th CRSI-RSC Joint Symposium

Thursday, 1st February 2018

VENUE: Pt. Deendayal Upadhyay Auditorium (Govt. 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	T. Govindaraju, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore Title: Multifunctional modulators of multifaceted toxicity in Alzheimer's disease
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 <ul style="list-style-type: none"> • How to publish' for maximum impact – Dr Aparna Ganguly • Q&A session and Interaction with Royal Society of Chemistry – Editorial Development Team

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. 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 Silver Medal Lecture
12.45-13.15	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 (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 PalBadyal, FRS , Durham University, UK Title: Functional Nanocoatings for Technological and Societal Applications
17.00 – 18.00	Pt. Ravishankar Shukla Memorial Lecture : Prof. C. N. R. Rao Title : Can India be a Global Leader in Science ?
18.00 – 19.30	Cultural Program
19.30 – 21.30	DINNER

Saturday, 3rd February, 2018

Venue : Pt. Ravishankar Shukla Univ. 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 – 11.10	TEA/COFFEE
SESSION V: PRIZE LECTURE	
11:10 – 11.40	CHAIRPERSON: Ashutosh Ghosh

11.10-11.40	C.N.R. Rao National Prize for Chemical Research J. K. Bera , Indian Institute of Technology, Kanpur Title: Water in Organometallic Catalysis
SESSION: VI - Thematic Mini Symposium New Approaches to Address Bio-Geo Environmental Pathways of Chemical Pollutants	
11.40- 13.00 CHAIRPERSON: Shamsh Pervez	
11.40 – 12.00	Vinayak Sinha , IISER, Mohali Title: Atmospheric Chemistry Research at the Climate and Air Quality Interface: Agricultural Waste Burning in the North-West Indo-Gangetic Plain
12.00 – 12.20	S K Goyal , NEERI, New Delhi Title: Understanding Nature and Green Chemistry for Sustainable Development
12.20 – 12.40	Suresh Tiwari , Indian Institute of Tropical Meteorology, New Delhi Title: Assessment of Carbonaceous Aerosols over the Northern Part of India and its Impact on Regional Climate
12.40 –13.00	Sarath Guttikunda , Urban Emission Info, Delhi Title :Filling the knowledge gap on air quality in Indian cities
13.00 – 16.00	LUNCH AND POSTER SESSION II (Posters No. 91-180) CHAIRPERSON: Prodeep Phukan
15.30 – 16.00	TEA/COFFEE
SESSION VII: 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

SESSION VII: LIFETIME ACHIEVEMENT AWARD LECTURE	
17:00 – 17.45 CHAIRPERSON: N. Sathyamurthy	
17.00 -17.45	G. Vijay Nair, CSIR-NIIST, Thiruvananthapuram Title: Recent Advances in Organic Synthetic Methodology
17.45 – 18.45	General Body Meeting and Presentation of Medals/Awards
19.00 – 21.30	DINNER

Sunday, 4th February, 2018

Venue : Pt. Ravishankar Shukla Univ. Auditorium

SESSION VIII: MEDAL LECTURES	
09.15 – 10.45 CHAIRPERSON: Anirban Misra	
09.15 – 09.45	Silver Medal Lecture C. Pulla Rao, Indian Institute of Technology, Mumbai Title: Our Recent Experiences with Inorganic – Protein Hybrids
09.45 –10.05	Bronze Medal Lecture Pawan K. Sharma, Kurukshetra University Title: Paradigm Shift in Drug Design and Discovery
10.05 –10.25	Bronze Medal Lecture Alakananda Hazra, Viswabharati University, Santiniketan Title: Design, Synthesis and Functionalization of Imidazoheterocycles
10.25 – 11.00	TEA/COFFEE
SESSION IX: MEDAL LECTURES	
11.00 – 13.00 CHAIRPERSON: R. Murugavel	
11.00 – 11.20	Bronze Medal Lecture Anirban Misra, North Bengal University, Darjeeling Title: Exo-Cyclic Aromaticity
11.20 – 11.40	Bronze Medal Lecture P. Sujatha Devi, CRSI-CGCRI, Kolkata Title: Emerging Application of Nanomaterial in Biochemical Research
11.40 – 12.00	Bronze Medal Lecture Vinod K. Shahi, CSIR-CSMCRI, Bhavnagar Title: Charged Membrane Based Green Technologies for Water & Energy

12.00-12.20	Bronze Medal Lecture Kumaresh Ghosh, Kalyani University, Kalyani Title: Design and Synthesis of Pyridine and Benzimidazole Scaffolds- Based Molecular Architectures for Selective Sensing of Ions
12.20 – 13.00	Presentation of Poster Award and Closing Remarks
13.00 – 14.00	LUNCH AND DEPARTURE