

CHEMICAL RESEARCH SOCIETY OF INDIA
14th National Symposium in Chemistry (NSC-14)

PROGRAMME

Thursday, 2 February 2012

08.00 - 16.00	Registration
----------------------	--------------

Friday, 3 February 2012

08.00 - 09.30	Registration
SESSION I: INAUGURATION AND PRESIDENTIAL ADDRESS	
09.30 - 10.30	
10.30 - 11.00	HIGH TEA
SESSION II: AWARD /MEDAL LECTURES	
11.00 - 13.15	
11.00 - 11.45	C. N. R. Rao Award Lecture Reshef Tenne , Weizmann Institute of Science, Israel Title: Inorganic Nanotubes and Fullerene-Like Nanoparticles: An Update
11.45 - 12.15	C. N. R. Rao National Prize Lecture in Chemical Sciences A. K. Tyagi , Bhabha Atomic Research Centre, Mumbai Title: New Functional Materials: Interplay of Synthesis and Crystallography
12.15 - 12.45	CRSI Medal Lecture 1 M. A. Subramanian , Oregon State University, USA Title: Discovering New Functional Metal Oxides: Expecting the Unexpected
12.45 - 13.15	CRSI Medal Lecture 2 K. Kalyanasundaram , EPFL SB ISIC LPI, Switzerland Title: Dye-Sensitized Solar Cells for the Direct Conversion of Sunlight to Electricity
13.15 - 16.00	LUNCH AND POSTER SESSION I Posters No. 1 to 130
14.30 - 15.30	CRSI COUNCIL MEETING (Members only) Board Room
15.30 - 16.00	TEA/COFFEE

SESSION III: SPECIAL AND MEDAL LECTURES	
16.00 - 17.30	
16.00 - 16.30	Lecture by CRSI Honorary Fellow (1) Susumu Kitagawa , Kyoto University, Japan Title: SOFT PCPs and MOFs
16.30 - 17.00	Lecture by CRSI Honorary Fellow (2) Prof. Daniel G. Nocera , Massachusetts Institute of Technology, Boston, USA Title: The Artificial Leaf
17.00 - 17.30	Silver Medal Lecture 1 Uday Maitra , Indian Institute of Science, Bangalore Title: Luminescent, Functional Hydrogels by the Self-assembly of Multiple Components
17.30 - 17.45	BREAK
SESSION IV: SPECIAL EVENING LECTURE	
17.45 - 18.45	
17.45 - 18.45	C. N. R. Rao, FRS , National Research Professor, Linus Pauling Research Professor and Honorary President of Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore Title: Large Oaks from Little Acorns: The Birth and Growth of Solid State and Materials Chemistry
18.45 - 19.45	Cultural Programme
19.45 - 21.30	DINNER

Saturday, 4 February 2012

SESSION V: SPECIAL AND MEDAL LECTURES	
09:00 - 10.45	
09.00 - 09.45	A. Chakravorty, Endowment Lecture Franc Meyer , Georg-August-Universität, Göttingen, Germany Title: A Glimpse of the Joy of Coordination Chemistry: Biomimetic Metallosites, Bioinspired Catalysts, and Beyond
09.45 - 10.15	CRSI Medal Lecture 3 Ayusman Sen , The Pennsylvania State University, USA Title: Designing Intelligent Nano/Microbots

10.15- 10.45	Silver Medal Lecture 2 H. B. Singh , Indian Institute of Technology, Bombay Title: Organochalocogen and -mercury Chemistry: Role of Intramolecular Secondary Interactions
10.45 - 11.15	TEA/COFFEE
SESSION VI: MEDAL LECTURES	
11.15 - 13.05	
11.15 - 11.45	Silver Medal Lecture 3 T. Mukherjee , Bhabha Atomic Research Centre, Mumbai Mechanistic Studies on Natural and Synthetic Antioxidants: A New Outlook
11.45 - 12.05	Bronze Medal Lecture 1 V. R. Pedireddi , Indian Institute of Technology, Bhubaneswar Title: Supramolecular Assemblies of Symmetrically Substituted Cyclic Compounds
12.05 - 12.25	Bronze Medal Lecture 2 M. Ravikanth , Indian Institute of Technology, Bombay Title: Novel Fluorescent Boron-Dipyrromethenes
12.25 - 12.45	Bronze Medal Lecture 3 P. Dastidar , Indian Association for the Cultivation of Science, Kolkata Title: Shape-persistent Self-healing Gel Derived from Simple Organic Salt
12.45 - 13.05	Bronze Medal Lecture 4 J. K. Bera , Indian Institute of Technology, Kanpur Title: Bifunctional Activation and Catalysis
13.05 - 16.00	LUNCH AND POSTER SESSION II Posters No .136 -270
15.30 - 16.00	TEA/COFFEE
SESSION VII: CRSI MINI-SYMPOSIUM	
16.00 - 18.00 THEME: Functional Organic Materials: From Molecules to Devices	
16.00 - 16.30	K. N. Ganesh , IISER, Pune Title: Nano DNA: From genetics to generics
16.30 - 17.00	S. Bhattacharya , IISc, Bangalore Title: Biomaterials: What are they and how can one design them?

17.00 – 17.30	Y. N. Mohapatra , IIT Kanpur Title: Electronic Quality Thin Films of Molecular Semiconductors for Device Applications: Understanding the needs
17.30 – 18.00	A. Ajayaghosh , NIIST, Trivandrum Title: Fluorescent Molecules and Assemblies for Diagnostics
18.00 – 19.15	CRSI General Body Meeting and Presentation of Medals/Awards
19.15 – 20.00	Gold Medal Lecture V. Krishnan , Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore Title: (To Be Updated)
20.00 – 21.30	DINNER

Sunday, 5 February 2012

SESSION VIII: MEDAL LECTURES	
09.00 – 10.45	
09.00 – 09.45	Mizhushima-Raman Lecture Teizo Kitagawa , Toyota Physical and Chemical Research Institute, Nagakute, Japan Title: Picobiological Features in Functions of Heme Proteins Revealed by Resonance Raman Spectroscopy
09.45 – 10.05	Bronze Medal Lecture 5 A. Dandia , University of Rajasthan, Jaipur Title: Towards a Better Understanding of Organic Reactivity: Libraries from Libraries, the Art of the Diversity-Oriented Transformation
10.05 – 10.25	Bronze Medal Lecture 6 H. N. Ghosh , Bhabha Atomic Research Centre, Mumbai Title: Interfacial Electron Transfer Dynamics in Dye-Sensitized and Quantum Dot Solar Cell Material: A Femto-second Dynamics
10.25 – 10.45	Bronze Medal Lecture 7 M. Swaminathan , Annamalai University, Annamalainagar Title: Modified semiconductor oxides in environmental remediation and organic synthesis
10.45 – 11.15	TEA/COFFEE

SESSION IX: MEDAL LECTURES	
11.00 - 12.45	
11.15 - 11.45	Silver Medal Lecture 4 T. P. Radhakrishnan , University of Hyderabad, Hyderabad Title: New Materials And Modes of Application Through Chemistry Within A Polymer Thin Film
11.45 - 12.05	Bronze Medal Lecture 8 Pradyut Ghosh , Indian Association for the Cultivation of Science, Kolkata Title: Recognition and Extraction of Anions and Ion-Pair by Simple Receptors
12.05 - 12.25	Bronze Medal Lecture 9 B. M. Bhanage , Institute of Chemical Technology, Mumbai Title: Developing catalysts for small molecules and strategies for catalyst product separation and recycle
12.25 - 12.45	Bronze Medal Lecture 10 Kallol K. Ghosh , Pt. Ravishankar Shukla University, Raipur Title: Organophosphorus Toxicants: Kinetics of Detoxification and Reactivation Potency
12.45 - 14.15	LUNCH
SESSION X: CHEMICAL EDUCATION PROGRAM AND CONCLUDING SESSION	
Chairman: Prof. S. Chandrasekaran	
14.15 - 16.00	
14.15 - 14.25	Remarks by S. Chandrasekaran, President, CRSI
14.25 - 14.35	Distribution of Best Teacher Awards
14.35 - 14.45	Best Teacher Awardee 1 G. Chandramohan , A.V.V.M. Sri Pushpam College, Thanjavur
14.45 - 14.55	Best Teacher Awardee 2 Lisa Sreejith , Department of Chemistry, NIT Calicut
14.55 - 15.05	Best Teacher Awardee 3 Amiya Kumar Panda , Department of Chemistry, University of North Bengal, Darjeeling
15.05 - 15.15	Best Teacher Awardee 4 Subhajit Dinda , Department of Chemistry, Dasaratha Deb Memorial College, Tripura
15.15 - 15.25	Best Teacher Awardee 5 Mariappan Murali , Department of Chemistry, National College, Tiruchirappalli
15.25 - 15.35	Best Teacher Awardee 6 Shivani Gulati , Department of Chemistry, DAV College, Chandigarh
15.35 - 15.45	Distribution of Best Poster Awards
15.45 - 16.00	Concluding Remarks
16.00 - 16.30	TEA/COFFEE