

**CRSI Council**

2014 – 2017

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**FROM THE PRESIDENT'S DESK**

I would like to extend my best wishes and warm greetings to all the members of the CRSI through this newsletter. This newsletter brings to you several events and new initiatives that have been undertaken in last year or so.



I am very happy to say in recent years, CRSI has expanded its activities significantly and increased its collaborations with foreign societies. We have also changed the so-called mid-term meeting of July to NSC from 2016 and thus we are having two national symposia every year in February and July. In the last July meeting at Siliguri arranged successfully by North Bengal University, we had

first one day meeting with German Chemical Society and now we are ready to have a one day symposium with American Chemical Society (ACS) in the July, 2017 NSC to be held at Hyderabad. In between we had a one-off meeting with ACS in Bhopal on January 23, 2017. A memorandum of understanding has been formally signed with ACS, which will help mutual collaborations between the two societies. Our relations with Royal Society of Chemistry, UK (RSC) meanwhile have become even stronger. Our most recent NSC took place in Guwahati in the beginning of February this year and was organized very successfully by Gauhati University. This was also the first time that CRSI NSC was held in North-east, though mid-year meetings were held in IIT Guwahati in 2007 and NEIST Jorhat in 2014. As has been customary for several past February meetings, we had one day joint symposium with RSC, prior to the NSC in Gauhati University. CRSI is playing important role in the deliberation of Federation of Asian Chemical Societies (FACS). Many of our members have received high international recognitions and I am sure the CRSI will be more and more visible globally in years to come.

In addition to expanding international collaborations and scope of the CRSI meetings, we have recognized the importance of industry interactions and I hope to see meaningful association with chemical industries.

The last one year has been very eventful and the newsletter captures several of these events, including events of local chapters. I request the CRSI local chapters to undertake major efforts in spreading the objectives of the society and promoting chemistry to the academia and industry.

Finally, I must say that the General body has elected the new council to take charge from April 1, 2017. I welcome the new Council and incumbent President Prof N Sathyamurthy and I am sure in years to come, CRSI will grow stronger. I must thank all members of the society, participants of several meetings and symposia and the members of the council for great support that I have received during my tenure as President. Many of the changes have been made possible due to the support received from all of you. I wish the new Council a great success in taking the society forward.

With best wishes,



SOURAV PAL

## NEWS AND ANNOUNCEMENTS:

### The 18th CRSI National Symposium in Chemistry and 10th CRSI-RSC Symposium

The 18th National Symposium in Chemistry (NSC-21) will be organized by the Indian Institute of Chemical Technology (IICT), Hyderabad during July 14-16, 2017. A joint CRSI-ACS symposium will be held on July 13, 2017. The next General Body Meeting will be held at IICT, Hyderabad. Members may contact the Convener Dr. Ch. Raji Reddy (Email: 21 crsi@gmail.com) for further information.



*Indian Institute of Chemical Technology (IICT),  
Hyderabad*

### Highlights of the 17th CRSI National Symposium in Chemistry (NSC-17)

The 17th National Symposium in Chemistry (NSC-18) and 10th CRSI-RSC joint symposium was held at the Institute of Nano Science and Technology (INST) Mohali and Panjab University, Chandigarh, with support from the IISER Mohali during February 5-7, 2016. These two meetings were chaired by A. K. Ganguli, Director, NIST, S. K. Mehta, Director, RSIC, PU and N. Sathyamurthy, Director, IISER Mohali. The purpose of this symposium was to provide a forum for the scientists, teachers and students in the country to participate and discuss the recent development in chemistry. The symposium was very well attended with over 1000 registered participants and about 80% of them were young Ph.D. and Masters' students. The inaugural session started with welcome remarks by Chairman of the Symposium. G. Mugesh gave the welcome address on behalf of the CRSI and mentioned about the rapid increase in the number of participants in the national symposium of chemistry meetings.



*Inauguration of NSC-18 at Panjab University,  
Chandigarh*

The inauguration was followed by Presidential address and scientific lecture by Sourav Pal, President, CRSI. In the end of inaugural session, Surinder Mehta, co-chair, NSC-18, proposed vote of thanks.

In this symposium medal lectures, C.N.R. Rao award lecture, Animesh Chakravorty Endowment Lecture, the Mizushima-Raman Lecture, and keynote lectures by honorary fellows were delivered along with two poster session. A special session was also organized to celebrate the 100th anniversary of electron pair theory of bonding by G. N. Lewis in association with the American Chemical Society. The special session started with a keynote lecture by C. N. R. Rao, Founder President of CRSI. In his lecture, Rao discussed about the importance of chemical bonding. His lecture was followed by two invited lectures delivered by D. M. Deb and R. Murugavel. After the special session, the first poster session was held and around 225 students presented their poster in all areas of chemistry.



*Students Presents poster and a model to celebrate  
100 years of Chemical bond*

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*J. Paul Attfield University of Edinburgh,  
UK with C. N. R. Rao at NSC-18*

After the poster session, the second session of the symposium started with C N R Rao award lecture. J. Paul Attfield, University of Edinburgh, UK delivered the C N R Rao award lecture. He discussed his research activities on unusual conducting and magnetic properties of inorganic materials. He discussed high-temperature superconducting copper oxides, charge ordered materials such as the mineral magnetite and layered rare earth borocarbides.



*Sourav Pal presents a memento to Devarajan  
Thirumalai, University of Maryland, College Park, USA  
for CRSI Medal Lecture*

The session continued with CRSI medal lecture delivered by Devarajan Thirumalai, University of Maryland, College Park, USA. He presented the research interest of his group primarily focused on discovering general principles that govern the folding of biomolecules. The understanding of how these processes occur impacts the design of biomolecules of specified topology, and can offer critical clues to understanding diseases caused by conformational defects such as prions.

The afternoon session ended with Mizushima - Raman Lecture delivered by Toshiaki Enoki, Tokyo Institute of Technology, Tokyo, Japan. The second day of the symposium started with Animesh Chakravorty Endowment Lecture delivered by Shinobu Itoh, Osaka University, Osaka, Japan. He discussed development of transition-metal active-oxygen complexes and bio-inspired oxidation catalysts. The session continued with C. N. R. Rao National Prize for Chemical Research lecture, delivered by A. J. Bhattacharyya, Indian Institute of Science, Bangalore. The session ended with CRSI Medal Lecture delivered by S. Thayumanavan, University of Massachusetts, Amherst, USA. Prof. Thayumanavan presented his group research activities on supramolecular assemblies, especially those that can be achieved in aqueous media.

The second session started with a lecture by CRSI Honorary Fellow Henry F. Schaefer, III, University of Georgia, Athens, USA. Prof. Schaefer presented his group research which involves the use of computational hardware and theoretical methods to solve problems in molecular quantum mechanics. His lecture was followed by CRSI Honorary Fellow lecture delivered by Rene Gree, Université de Rennes. The session continued with three bronze medal lectures delivered by Swagata Dasgupta, Indian Institute of Technology, Kharagpur, D. B. Ramachary, University of Hyderabad, Hyderabad and Sankar Prasad Rath, Indian Institute of Technology, Kanpur.

The second poster session was held after lunch and ~224 students enthusiastically presented their posters on their research work in all areas of chemistry.



*Poster Session during NSC-18*

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The third session started with RSC Presentation on Future of Chemical Sciences delivered by Stephen Hawthorne, Royal Society of Chemistry, UK. This was followed by three bronze medal lectures delivered by K Srihari, Indian Institute of Technology, Kanpur, P. S. Mukherjee, Indian Institute of Science, Bangalore and Anil Kumar, Indian Institute of Technology Bombay, Mumbai. The CRSI general body meeting was held and all the medal winners received their medals in the General Body meeting. In the last session, lifetime achievement lecture (Gold Medal lectures) was delivered by K. J. Rao, Indian Institute of Science, Bangalore. He highlighted the contribution of his research group on solid state chemistry, in particular on studies on glass.

The last day of the symposium started with Silver Medal Lecture delivered by G. Lahiri, Indian Institute of Technology Bombay. Prof. Lahiri presented research activities of his group on redox sensitive metal-ligand frameworks and catalysis. The session continued with two bronze medal lectures delivered by D. Srinivasa Reddy, National Chemical Laboratory, Pune and F. A. Khan, Indian Institute of Technology, Hyderabad.

In the next session, S. Chandrasekhar, Indian Institute of Chemical Technology, Hyderabad delivered a silver medal lecture. He presented his group research work on total synthesis of natural products. This was followed by CRSI medal lecture delivered by Thomas J. Colacot, Johnson Matthey, New Jersey, USA. The session ended with a Special Lecture delivered by Roderick Bates, Nanyang Technological University, Singapore. In the concluding session, the President presented best poster awards to students.

### Meeting/Symposia in 2016:

CRSI-RSC Joint Symposium on Functional Materials was held at University of Edinburgh, UK during 21-23 June 2016. The purpose of this event was to bring together researchers from both the countries and to share knowledge, facilitate discussion and encourage research collaborations in the broad area of sustainability. Following the symposium, the invited speakers visited to School of Chemistry at University of Edinburgh and University of Nottingham in order to enable further exploration of potential joint research projects.



*CRSI-RSC Joint Symposium on Functional Materials held at University of Edinburgh, UK*

The 19th National Symposium in Chemistry (NSC-19) and the first CRSI-German Chemical Society (GDCh) Angewandte symposium during July 13-16, 2016, was held at the University of North Bengal, Siliguri. Till 2015, July meetings of CRSI were called midyear meetings. The participation in the mid-year meetings were slowly growing and CRSI council decided that from July 2016, the mid-year meetings will also be called national symposia in Chemistry. This is also the first time, CRSI and German Chemical Society jointly organized a one-day CRSI- GDCh Angewandte symposium dedicated to chemical biology and bioorganic chemistry supported by Wiley. The delegates from the other societies, American Chemical Society (ACS) and Royal Society of Chemistry (RSC) were also present during this event. The University of North Bengal was established by Act of the Legislature of West Bengal in 1962 and assigned the mandate of providing teaching, training and research in various branches of advanced learning, and promoting the dissemination of knowledge to fulfill growing socioeconomic and technical manpower needs in the six North Bengal districts and the neighboring state of Sikkim. The campus occupies an area of about 330 acres in between Siliguri City and Bagdogra Airport in the Terai region of Darjeeling district. The Department of Chemistry is supported under UGC-SAP-DRS-III and DST-FIST programs. The department is active in research in the fields of Organic synthesis, chemistry of Natural Products, Coordination and Organometallic chemistry, Solution chemistry, chemistry of soft matters and Theoretical chemistry.

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*Inauguration of CRSI-GDCh Angewandte symposium*

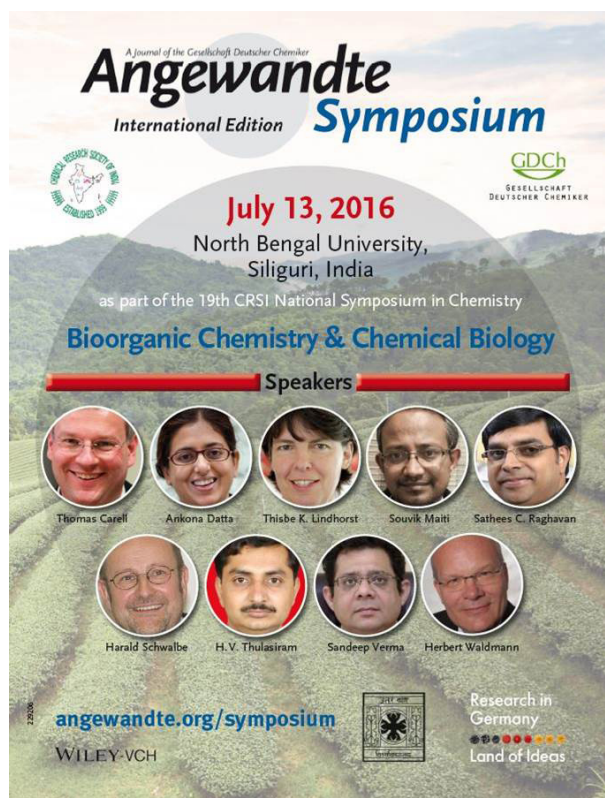
During the inaugural session of the CRSI-GDCh Angewandte symposium, Sourav Pal, CRSI President and Thisbe K. Lindhorst, GDCh President strongly emphasized chemistry is a key science for the future of India and the World. The idea of having a one day symposium was to inspire scientific exchange between both countries and strengthen the collaboration between their chemical societies. The GDCh has a strong interest in cooperation with the

Chemical Research Society of India (CRSI), and this is clearly confirmed by the special issue of Angewandte Chemie. During this symposium, five invited lectures from Germany and five from India were delivered by leading experts in the field of chemical biology.

### Highlights of the 19th CRSI National Symposium in Chemistry (NSC-19)

The 19th National Symposium in Chemistry (NSC-19) started on July 13, 2016. During the inaugural session, the Head Department of Chemistry delivered the welcome address. G. Mugesh gave the welcome address on behalf of CRSI. This was followed by presidential address and scientific lecture by Sourav Pal, President, CRSI. The importance of Chemistry in life and in the sustainable development was strongly emphasized by all the dignitaries. In the end of inaugural session, Anirban Misra, Convener, NSC-19, proposed vote of thanks.

As a part of NSC-19, several key-note, medal and invited lectures, were delivered. A large number of students presented posters in two different poster sessions as part of NSC-19. The first technical session started with a special lecture by C. N. R. Rao, who shared his 60 Years of Research in Chemistry. This was followed by a dedicated session on Industry-Academia interactions in Chemical Sciences: Prospects and Limitations. In this special session, two invited lectures were delivered by Animesh Chakraborty, IACS, Kolkata and A. V. Rama Rao, Avra Laboratories Private Limited, Hyderabad. The first poster session was held after lunch and ~120 students presented their posters in all areas of chemistry.



*Inauguration of NSC-19 at North Bengal University, Siliguri*

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After the poster session, the third session started with the silver medal lecture by K. C. Kumaraswamy, University of Hyderabad. He presented a brief overview of chiral phosphorus compounds-utility as chiral ligands for transition metals. This was followed by two bronze medal lectures delivered by Ashutosh Ghosh, University of Calcutta and Atul Goel, CDRI, Lucknow. The final session began with three CRSI bronze Medal lectures delivered by T. Govindaraju, JNCASR, Rajeev Gupta, University of Delhi and Niranjana Karak, Tezpur University. The first day of symposium ended with a special presentation by a representative of the American Chemical Society.

The second day of the symposium started with silver medal lecture delivered by Amalendu Chandra, IIT Kanpur. He talked about structure and dynamics of molecular solutions in bulk and confined systems. This was followed by two CRSI bronze medal lectures delivered by Siddharth Pandey, IIT Delhi and Palwinder Singh, GNDU Amritsar. A second session was dedicated to a special symposium on theoretical and computational chemistry. During this symposium the leading experts delivered an invited lecture which includes S. K. Ghosh, BARC, P. K. Chattaraj, IIT Kharagpur, Swapan Pati, JNCASR and K. Shamasundar, IISER, Mohali. The second poster session was held after lunch and ~120 students presented their posters in all areas of chemistry. The CRSI general body meeting was held and all the medal winners received their medals in the General Body meeting. The second day of symposium ended with a cultural programme.



*Basudeb Basu presents a memento to R. N. Mukherjee*

The third day started with a special lecture delivered by Amit Basak, IIT, Kharagpur. This was followed by CNR Rao endowment lecture delivered by R. N. Mukherjee, IISER, Kolkata. He presented his group research activities on synthetic coordination chemistry of transition metal ions and ligand design.

In the last session of the symposium, three CRSI Bronze Medal lectures were delivered by S. G. Tilve, University of Goa, Mahipal Reddy, ICT Hyderabad and K. V. Radhakrishnan, NIIST, Trivandrum. In the concluding session, the President presented best poster awards to students. The meeting ended with vote of thanks by the Secretary, Satish Patil.



*C. N. R. Rao delivers foundation day lecture on evolution of the chemical bond and its impact on science in India and the world*

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### 100 Years of Chemical Bonding: A Tributary Symposium

The CSIR-IICT organized a symposium on "100 Years of Chemical Bonding by G. N. Lewis" during August 4-5, 2016 in Hyderabad, in association with Chemical Research Society of India (CRSI) and Indian National Science Academy (INSA). The symposium was also coincided with CSIR-IICT foundation day on 05th August. A special CSIR-IICT foundation day lecture was delivered by Professor C. N. R. Rao on evolution of the chemical bond and its impact on science in India and the world at large.



*Inauguration of 100 Years of Chemical Bonding Tributary Symposium at IICT, Hyderabad*

### Meeting/Symposia in 2017:

A joint ACS-CRSI symposium was organized on 23rd January 2017 at IISER Bhopal. Invited lectures were focused on molecular and electronic structure and reactivity, disruption of the bacterial SRP system. The

poster session was held during the symposium and students enthusiastically presented their posters on their research work in all areas of chemistry.

Christopher W. Jones, Editor-in-Chief, ACS Catalysis, Krishna Ganesh, Editor, ACS Omega and Kankan Bhattacharyya, delivered lectures during the symposium. R N Mukherjee, Tushar Kanti Mukherjee, Madhav Ranganathan, Ishu Sarogi represented CRSI.

### Highlights of the 20th CRSI National Symposium in Chemistry (NSC-20)

The 20th CRSI National Symposium in Chemistry (NSC-20) was organized recently by Gauhati University, Guwahati, Assam, with support from the Tezpur University and IIT Guwahati during February 2-5, 2016. The four-day event began with a 11th CRSI-RSC joint symposium on 2 February 2017. The symposium began with opening remarks by President of Royal Society of Chemistry, Sir John Holman followed by three scientific sessions. The first session started with a lecture delivered by Iseult Lynch of University of Birmingham, UK. She described the environmental interactions of nanoparticles and nanostructured surfaces with biological entities from macromolecules to organisms. The session ended with a lecture delivered by Alakesh Bisai of Indian Institute of Science Education and Research (IISER), Bhopal.

The second session began with a lecture by Philip Fowler from University of Oxford. Fowler presented his group research activities aimed to develop computational methods able to predict antibiotic



*ACS-CRSI symposium Participants at IISER Bhopal*

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resistance by considering the structures of the target protein, the antibiotic and how they dynamically interact with one another. Fowler's lecture was followed by two invited lectures delivered by Govardhan Reddy from IISc Bangalore and Lipi Thukral from Institute of Genomics and Integrative Biology. This session continued with two lectures delivered by Ph.D. students, Manas J. Sarma and Bedika Phukan from Gauhati University and IIT Guwahati respectively.

The post-lunch session chaired by Satish Patil, IISc Bangalore. The session began with a lecture delivered by Deborah Kays from University of Nottingham and ended with a lecture delivered by Nayanmani Gogoi from Tezpur University. Nayanmani lecture was focused on development single molecule magnets which show slow relaxation of magnetization at higher temperatures. A workshop on good practices in publishing was also held in this session. During the course of the joint symposium the RSC President interacted with a select group of undergraduate students from various colleges in Guwahati. The symposium ended with a panel discussion for devising ways to improve the quality of research and to attract bright students to practice fundamental science.

The 20th CRSI-NSC began with the Anthem of Gauhati University, composed by Dr. Bhupen Hazarika. The Vice-Chancellor of Gauhati University, Mridul Hazarika delivered the welcome address. The CRSI Secretary General, G. Mugesh and the IIT Guwahati Director, Gautam Biswas addressed the gathering. The inauguration was followed by Presidential address and scientific lecture by Sourav Pal, President, CRSI. In the end of inaugural session, Ranjit Thakuria., Co-convener of NSC-20, proposed vote of thanks.

The subsequent session of the Symposium was chaired by V. Krishnan. The special Invited Lecture was delivered by CRSI Honorary Fellow, Richard N. Zare from Stanford University, USA. He presented exciting research problem pursued by his group on "Microdroplet Chemistry: From Accelerating Reactions to Cancer Diagnostics". In the next session, Henry N. C. Wong of the Chinese University of Hong Kong, China delivered S. Chandrasekaran Endowment Lecture.



*20th CRSI National Symposium in Chemistry (NSC-20)*



*C.N.R. Rao and Richard Zare in conversation at NSC-20*

The first poster session was held after lunch and ~200 students enthusiastically presented their posters on their research work in all areas of chemistry.

Uday Maitra chaired the final session that consisted of four scientific lectures –a Silver Medal Lecture by Amitava Das of CSIR-CSMCR, Bhavnagar, the Charusita Chakravarty Memorial Lecture by Parbati Biswas from University of Delhi and two Bronze Medal Lectures by Prasanta Ghorai of IISER-Bhopal and Narayan Pradhan of IACS-Kolkata.

The third day's programme began with C.N.R. Rao National Prize lecture, delivered by Arindam Banerjee from IACS, Kolkata which was followed by three Bronze Medal Lectures delivered by M. N. Roy of North Bengal University, Sailaja Krishnamurthy of CSIR-CECRI, and Anil K. Saikia of IIT Guwahati.



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In Session VI, a thematic mini-symposium on 'Energy Innovations: Current Scenario and Future Directions' was held under the chairmanship of B. K. Das. As part of the mini-symposium Sivaram Arepalli of Rice University, USA discussed the usefulness of nanomaterials in energy storage, P. K. Dhodapkar from Oil India Limited highlighted the importance of Industry-Academia interactions, M. Lakshmi Kantam of ICT Mumbai and Tezpur University discussed the development of catalysts for the conversion of biomass-derived compounds, Sanjay Khanna from Numaligarh Refineries Ltd presented organization's unique bamboo-based biorefinery project and Jadab Sarma from Panjab University presented materials aspects of solar cells. The second poster session was held after lunch and ~200 students enthusiastically presented their posters on their research work in all areas of chemistry.

Session VII of the symposium consisted of an invited lecture by Alejandra Palermo of RSC, London, followed by Bronze Medal Lecture by Vivek Polshettiwar from TIFR, Mumbai and the C. N. R. Rao Award Lecture by Graham Hutchings from Cardiff University, UK on nanocatalysis. The CRSI general body meeting was held and all the medal winners received their medals in the General Body meeting.



*S. Chandrasekaran presents a memento to Graham Hutchings from Cardiff University, UK*

The final day of the 20th CRSI-NSC began with a special lecture by Bharat Ratna C. N. R. Rao, chaired by President CRSI, Sourav Pal. In the hour long lecture, he discussed about the exciting story of chemical sciences, while

drawing from his own experiences for illustration. He also presented on his recent research activities in the area of artificial photosynthesis. The last session of the symposium was chaired by R. Murugavel. The Silver Medal Lecture was delivered by Tushar Chakraborty, IISc Bangalore, followed by three Bronze Medal Lectures by Prof. S. Kulkarni, IIT Bombay, P. Venkatesu, University of Delhi and Arvind Kumar, CSIR-CSMCRl Bhavnagar, respectively. In the concluding session, the President presented best poster awards to students with concluding remarks.

### General Body meeting during NSC-20

The meeting began with a welcome by the secretary Satish Patil to all the members to the General Body meeting during the 20th National Symposium in Chemistry (NSC-20) and then requested Sourav Pal, President, CRSI, to chair the meeting and conduct the proceedings. The President formally welcomed the members of the General Body and thanked them for taking time and effort to participate in the meeting. He expressed his deep appreciation for the excellent arrangements made by the local organizers for this year's annual meeting and the symposium. This was followed by the confirmation of the minutes of the previous General Body meeting.



*Sourav Pal presents a memento to N. Sathyamurthy, IISER Mohali*

In his opening remarks, Sourav Pal emphasized and requested all the members to proactively participate to generate funds for the society. All members agreed that we need to have a more proactive interaction

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with industries. In this direction, the members suggested that we could explore having an industrial representative as invited speaker in the forthcoming CRSI meetings.

The Secretary General, G. Mugesh, presented CRSI activities during the year 2015-2016 and informed the General Body about the collaboration between the American Chemical Society and CRSI. President Sourav Pal mentioned that the conditions of memorandum of understanding (MOU) have been approved by the council. The General Body has formally approved the proposal and suggested that an MOU with ACS can be signed at the earliest. It was also decided to arrange one day ACS-CRSI joint symposium during NSC-21 at ICT, Hyderabad.

The president put forward a proposal of bidding to conduct Asian Chemical Congress meeting in India and the members agreed that the CRSI may bid for 2021 meeting.

As the term of the present council ends on March 31, 2017, the President proposed the following names for the new council, which were approved by the members. The list of new council members and office bearers for the period April 2017 – March 2020 is given below:

Founder President	C. N. R. Rao
Immediate Past-President	Sourav Pal
President	N. Sathyamurthy, IISER Mohali
Vice-Presidents	S. Chandrasekhar, ICT, Hyderabad R. Murugavel, IIT Bombay D. Ramaiah, NEIST, Jorhat Vinod K. Singh, IISER Bhopal
Vice-President and Secretary General	G. Mugesh, IISc, Bangalore
Secretaries	S. Patil, IISc, Bangalore T. Govindaraju, JNCASR, Bangalore
Treasurer	K. P. Kaliappan, IIT Bombay
Jt. Secretaries	P. Phukan, Gauhati University, Guwahati K. R. Prabhu, IISc Bangalore C. V. Ramana, NCL, Pune A. K. Tyagi, BARC, Mumbai
Jt. Treasurer	P. Gautam, Anna University, Chennai

Members	Rakeshwar Bandichhor, Dr. Reddys Laboratories
	Vandana Bhalla, GNDU, Amritsar
	J. K. Bera, IIT Kanpur
	Amitava Das, CSMCRI, Bhavnagar
	Swagata Dasgupta, IIT Kharagpur
	Ramesh C. Deka, Tezpur University
	K. George Thomas, IISER Trivandrum
	Ashutosh Ghosh, Calcutta University, Kolkata
	Pradyut Ghosh, IACS Kolkata
	Prasenjit Ghosh, IIT Bombay
	Neelima Gupta, University of Rajasthan, Jaipur
	Rama Kant, University of Delhi
	Surinder Mehta, Panjab University, Chandigarh
	Anirban Misra, North Bengal University
	Lallan Mishra, BHU, Varanasi
	S. Muthusamy, Bharathidasan University, Trichy
	A. K. Panda, Vidyasagar University, Midnapore
T. Punniyamurthy, IIT Guwahati	
N. G. Ramesh, IIT Delhi	
A. Samanta, University of Hyderabad	
G. Sekar, IIT Madras	
A. Srinivasan, NISER, Bhubaneswar	
P. Sujatha Devi, CGCRI, Kolkata	
V. V. Sureshbabu, Bangalore University	
Sandeep Verma, IIT Kanpur	

### Medals/Award Lectures 2017

Lifetime achievement award (CRSI Gold Medal): J. Gopalakrishnan, Bangalore

**CRSI Medals:** Pradip K. Mascharak (USA), Krishnan Raghavachary (USA)

**Silver Medals:** Amitava Das (Bhavnagar); Tushar Chakraborty (Bangalore); R. Murugavel (Bombay); Sandeep Verma (Kanpur)

**Bronze Medals:** V. G. Anand (Pune); Sanjoy Bandyopadhyay (Kharagpur); Rahul Banerjee (Pune) Prasanta Ghorai (Bhopal); Suman Lata Jain (Dehradun); Sailaja Krishnamurthy (Karaikudi); Arvind Kumar (Bhavnagar); Dalip Kumar (Pilani); Suvarn Kulkarni (Bombay); Jyotirmayee Mohanty (Mumbai); Vivek Polshettiwar (Mumbai); Narayan Pradhan (Kolkata); M. N. Roy (Siliguri); Anil K. Saikia (Guwahati);

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Maya Shankar Singh (Varanasi); B. V. Subba Reddy (Hyderabad); K. M. Sureshan (Thiruvananthapuram); P. Thilagar (Bangalore); P. Venkatesu (Delhi)

**Prof. C. N. R. Rao Award Lecture:** Graham Hutchings (Cardiff)

**Prof. S. Chandrasekaran Endowment Lecture:** Henry N.C. Wong (Hong Kong)

**Prof. Charusita Chakravarty Memorial Lecture:** Parbati Biswas (Delhi)

**Prof. C. N. R. Rao National Prize for Chemical Research:** Arindam Banerjee (Kolkata); C. V. Ramana (Pune)

#### CRSI-Asian Chemical Editorial Society Cooperation:



*ACES, in collaboration with Wiley-VCH, now publishes three international journals, Chemistry – A Asian Journal, Asian Journal of Organic Chemistry and ChemNanoMat.*

CRSI is a member of the Asian Chemical Editorial Society (ACES), a unique association of thirteen major chemical societies of Asia and the Pacific regions. ACES, in collaboration with Wiley-VCH, publishes top-quality journals in chemistry with an international readership. ACES was founded in 2005 and currently publishes two major journals in chemistry: Chemistry – An Asian Journal (CAJ) and Asian Journal of Organic Chemistry (AJOC). The participating societies of ACES and Wiley-VCH are committed to provide scientific excellence, high publishing ethics and highest standards in publications. CAJ is supported by ChemPubSoc Europe, German Chemical Society (GDCh) and Federation of Asian Chemical Societies (FACS). CAJ has become a top chemistry journal. Through its co-ownership of

CAJ and AJOC, the CRSI is strengthened by each article that gets published in either ACES journal and can in turn do more to support the chemical community in India. In addition, CRSI members get special benefits, including reduced rates for personal subscriptions to ACES journals.

#### New Membership

##### Institutional and Corporate Membership

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For membership applications, please write to: G. Mugesh, Department of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560012, Tel: +91-80-2360-2566; Fax: +91-80-2360-2566; Email: mugesh@ipc.iisc.ernet.in or Raji Subramanyam, Email: raji.subramanyam@gmail.com. One can become a lifetime member of CRSI by paying Rs 10,000.- (Rupees Ten Thousand Only) as membership fee. The payment can be made by electronic transfer or demand draft. Details can be found at the CRSI website (<http://crsi.org.in>).

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