



MRSI Newsletter

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From the Editors' Desk

One of the major concerns in the society is the counterfeiting and a variety of attempts have been made to limit it. Solid-state fluorescent materials are ideal for a variety of applications including security printing technologies to detect counterfeiting. Researchers at Northwestern University have developed invisible ink and printed monochromic barcodes using an inkjet printer that is discernible under UV illumination (Hou et al, Nature Communications, 2015, 6, 6884). Prof. Chattopadhyay and his coworker of Indian Institute of Technology, Guwahati has also developed an ink based on highly fluorescent carbon dots (C-dots). The quantum yield of C-dots is 73.5% which they have converted to a gel by mixing with chitosan biopolymer (Md Palashuddin Sk and Arun Chattopadhyay, RSC Adv., 2014, 4, 31994). The gel could be used for filling up the refill of a ball-point pen and can be used for UV-active marking.

K K Nanda
Editor

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MRSI NEWSLETTER

Volume B 15, Number 3
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The MRSI Newsletter is a quarterly update published by the Materials Research Society of India. Members are requested to contribute information of interest to Materials Science community. Members can inform through the Newsletter, recognitions/awards received by them, changes in address, forthcoming events, and any interesting scientific/technological developments in the area of materials. The relevant information should be sent to the following address:

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Awards & Distinctions Conferred on Members

We are happy to report that the following members of Materials Research Society of India have received awards and distinctions shown against their names. MRSI congratulates them.

U Kamachi Mudali

- **VASVIK AWARD 2014** in the field of Material & Metallurgical Sciences & Technology from VASVIK Foundation.
- **G.D. BIRLA GOLD MEDAL 2014** for outstanding Research work in the field of Materials Sciences and Technologies from Indian Institute of Metals, Kolkata.

G Parthasarathy

Executive Council Member and Founder Fellow, Telangana State Academy of Sciences

P.S: Members are requested to communicate to the Editorial office about the Awards, Honours and Distinctions they have received from various agencies.

STUDENTS' PROJECTS

MRSI would be supporting projects of students doing B.Tech, M.Tech, ME, M.Phil, Ph.D in the area of Materials Science and Technology. The projects should be undertaken under the supervision of a MRSI member. The students can submit their proposals to the MRSI office before **October 31st 2014**. After the projects are approved, the students would be supported financially (registration waiver, II class AC train travel and local hospitality) for participating in the AGM of MRSI to present the results of the projects approved.

Obituary

We regret to inform the sad demise of Prof. S V Subramanyam, former Vice-President-General Secretary, MRSI and Retired Professor, Department of Physics, Indian Institute of Science, Bangalore on Saturday the 1st August 2015. Prof. Subramanyam served as the General Secretary of MRSI and later became the Vice President-General Secretary. He served MRSI for 9 years and was instrumental in taking it to greater heights.



His energy, his friendliness, kindness, knowledge and passion for work will always be remembered.

Our sincere and heartfelt condolences to his family.

MRSI NEW COUNCIL (2015-2018)

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	Chairmen of Subject Groups of MRSI

REGIONAL CHAPTERS

Chapter	Chairman	Chapter	Chairman
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Hyderabad	Dr. N R Munirathnam (C-MET, Hyderabad)	Roorkee	Dr. A K Jain (UoR, Roorkee,)
Jamshedpur	Dr. S P Mehrotra (NML, Jamshedpur)	Triruvananthapuram	Dr. M Jayabalan, SCTIMST, Trivandrum
Kalpakkam	Dr. C S Sundar (IGCAR, Kalpakkam)	Varanasi / Kanpur	Prof. O N Srivastava (B H U. Varanasi)
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Kolkata	Dr. R N Basu (CGCRI, Kolkata)	Himachal Pradesh	Prof. Ravi Prakash (PUIT, H.P)
Lucknow	Dr. V D Gupta (Lucknow University, Lucknow)	Patiala	Prof. O P Pandey (TU, Patiala)

REGIONAL SUBJECT GROUPS

Subject Group	Chairman	Subject Group	Chairman
Biomaterials (including Soft Matter)	Dr. M Jayabalan, SCTIMST	Growth and Characterization of Nanomaterials	Dr. B R Mehta, IIT
Ceramics and Glasses (including Building Materials)	Dr. G P Kothiyal, BARC	Magnetic and Superconducting Materials	Dr. R K Kotnala, NPL
Computational Materials Science	Dr. G P Das, IACS	Metals and their Alloys	--
Electronic Materials	Dr. Vikram Kumar, IIT	Optical and Laser Materials	--
Energy Materials	Dr. Vijaymohan Pillai, CECRI	Polymers and Organic Materials	--
Thin Films, Surfaces and Interfaces	Prof. K L Chopra, IIT Prof. M K Sanyal, SINP	Semiconductors, Dielectrics and Ferroelectrics	---

G C JAIN MEMORIAL PRIZE FOR THE BEST Ph.D THESIS IN MATERIALS SCIENCE

The Council of MRSI decided to award an annual prize one in each calendar year for the best Ph.D. thesis in the area of Materials Science. The funds for this prize have been raised by the friends and students of Dr. G C Jain. The Guidelines and the Application form are furnished hereunder:

Guidelines

1. The prize will be given each year for the best Ph.D thesis in the broad multi disciplinary field of Materials Science, in disciplines such as Condensed Matter Physics, Chemistry, Biology, Metallurgy, Ceramics and Chemical Engineering.
2. Criteria for Selection
 - Completion of Ph.D thesis from any recognized Indian University/Research Institute/National Laboratory within the last two calendar years (2014, 2015 for the current prize)
 - Three recommendation letters should be enclosed including one from the thesis supervisor along with a one-page write-up highlighting the prime results of the thesis.
 - Quality of the work will be judged in the first stage by the Publications, Reports and Patents resulting from the thesis work.
 - The shortlisted theses will be selected after peer reviewing during November/December. Such shortlisted theses work must be presented by the students concerned in poster/oral format at the next AGM of MRSI. The final selection will be done at the AGM by a suitably constituted committee.
3. The award will have a cash prize of Rs. 6000/- and a certificate from MRSI.
4. Application in the prescribed format reproduced alongside should be sent to the Secretary, MRSI so as to reach him on or before **October 31st, 2015**.

photo

Application Form

G C Jain Memorial Prize for the Best Ph.D Thesis in Materials Science

1. **Name of the Applicant** :
2. **Address** :
 - Office :
 - Residence :
 - Telephone :
 - Fax :
 - Email :
3. **Academic Record**
(in brief) (Degree/year of passing/University) :
4. **Title of the Ph.D Thesis:**
 - a) The discipline or subject in which the Ph.D degree was awarded :
 - b) Name of the University/Laboratory/Institute :
where the Ph.D work was carried out
 - c) Name of the Research Supervisor :
 - d) Date of submission of the thesis :
 - e) Date of Award of Ph.D :
 - f) One page write-up of the thesis highlighting the prime results
(to be enclosed) enclosed/not enclosed
5. **Recommendation Letters**
(from the thesis supervisor and 2 other experts)
(to be enclosed) enclosed/not enclosed
6. **List of Publications based on the thesis work**
in Journals, Reports, Conferences, Patents (to be enclosed)
Give Title of the Paper, Authors, Journal, Vol / Page/ Year for Journal Publications
enclosed/not enclosed
7. **Any additional information**

Date :

Signature

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Enrolled between April 1 and June 30, 2015

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Calendar of Events

December 7-11, 2015, 18th International Workshop on Physics of Semiconductor Devices (IWPSD 2015) Conference Chair, Prof. S B Krupanidhi, Materials Research Centre, Indian Institute of Science, Bangalore 560 012, Tel: -080-22932882, Fax: 080-23602028, Email: secretariat@iwpsd2015.org.in, Website: www.iwpsd2015.org.in

October 25-29, 2015, IUMRS-ICAM 2015, international conference on advanced materials, ICC JEJU, Korea, Website: www.iumrs-icam2015.org

February 18-20, 2016, 27th Annual General Meeting of MRSI, Jorhat, Assam. Details will follow

AN UPDATE OF MRSI ACTIVITIES

The MRSI Update is a consolidated statement of the major activities and achievements of MRSI. The MRSI has completed 26 years of activity and in this update, the following information is given.

- Membership status
- Awards & Honours
- Information Collection & Dissemination System
- Publications
- International Cooperation
- Annual General Meetings

Membership Status

MRSI has the following classes of membership. The status as on June 30, 2015 is:

Life Members	: 3540
Honorary members	: 166
Patron members	: 83

Awards and Honours

International Award for Materials Science and Technology

This prize is awarded once in 2 years.

Prof. CNR Rao, JNCASR, Bangalore (2009)
Prof. Martin Jansen, Max-Planck Institut, Germany (2011)
Prof. Sir. Richard Friend, Cambridge University, UK (2013)
Prof. Peter Bruce, Oxford University, UK (2015)

CNR Rao Prize Lecture in Advanced Materials

Prof. S B Krupanidh (IISc, Bangalore) (2010)
Dr. S Banerjee, DAE, Mumbai (2011)
Prof. A K Sood, IISc, Bangalore (2012)
Prof. M K Sanyal, SINP, Kolkata (2013)
Prof. U Ramamurthy, IISc, Bangalore (2014)
Prof. D D Sarma, IISc, Bangalore (2015)

MRSI Silver Jubilee International Medal

Prof. A Suzuki, Yokohama National University, Japan (2015)

Distinguished Materials Scientist of the Year Award

The chosen scientist delivers special Honour Lecture on the occasion of the MRSI Annual Meeting.

Prof. S Ramaseshan (1990)
Prof. E C Subba Rao (1991)
Prof. T R Anantharaman (1992)
Prof. C N R Rao (1993)
Dr. M S Valiathan (1994)
Prof. K L Chopra (1995)
Dr. R Chidambaram (1996)

Dr. Paul Ratnasamy (1997)
Dr. P Rama Rao (1998)
Prof C V Sundaram (1999)
Dr. R A Mashelkar (2000)
Prof. S Ranganathan (2001)
Prof. K J Rao (2002)
Prof. A K Barua (2003)
Prof. T V Ramakrishnan (2004)
Prof. K T Jacob (2005)
Prof. N Kumar (2006)
Dr. V K Aatre (2007)
Dr. S Banerjee (2008)
Dr. Baldev Raj (2009)
Prof. S K Joshi (2010)
Dr. S Sivaram (2011)
Prof. Vikram Kumar (2012)
Dr. T Ramasami (2013)
Prof. D Chakravorty (2014)
Prof. A K Raychaudhuri (2015)

MRSI-ICSC Superconductivity and Materials Science Award (Senior)

This prize is awarded once in three years.

Prof. CNR Rao, (JNCASR, Bangalore) (1993)
Dr. P Rama Rao, (UOH, Hyderabad) (1996)
Dr. S K Joshi, (NPL, New Delhi) (1999)
Dr. M S Valiathan (MAHE, Manipal) (2002)
Prof. P Ramachandra Rao (BHU, Varanasi) (2005)
Dr. J V Yakhmi (BARC, Mumbai) (2008)
Dr. P R Vasudeva Rao (IGCAR, Kalpakkam) (2011)
Dr. A K Tyagi (BARC, Mumbai) (2014)

MRSI Distinguished Lecturership Award

This prize is awarded once in 2 years.

Dr. M.S. Valiathan (SCTIMST, TRV) (1993-1994)
Prof. S. Ranganathan (IISc, Bangalore) (1995-1996)
Prof. G.V. Subba Rao (CECRI, Karaikudi) (1997-1998)
Dr. P. Ramachandra Rao (NML, Jamshedpur) (1999-2000)
Dr. P. Rodriguez (IGCAR, Kalpakkam) (2001-2002)
Dr. S. Sivaram (NCL, Pune) (2003-2004)
Prof. S. Dattagupta (SNBNCBS, Kolkata) (2005-2006)
Dr. A K Singh (NAL, Bangalore) (2007-2008)
Dr. R P Singh (Pune) (2009-2010)
Prof. Ashutosh Sharma (IIT, Kanpur) (2011-2012)
Dr. Suresh Das, NIIST, Thiruvananthapuram (2013-2014)
Prof. Dhananjai Pandey, BHU, Varanasi (2015-2016)
Prof. Bhupendra N Dev, IACS, Kolkata (2015-2016)
Prof. G K Ananthasuresh, IISc, Bangalore (2015-2016)

MRSI-ICSC Super Conductivity and Materials Science Annual Prize Winners

These prizes are awarded annually to two scientists.

Dr. A V Narlikar, NPL, New Delhi (1991)
Prof. G V Subba Rao, IIT, Madras (1991)

Prof. S B Ogale, UOP, Pune (1992)
 Prof. J Gopalakrishnan, IISc, Bangalore (1992)
 Dr. P Chaddah, CAT, Indore (1993)
 Dr. A K Gupta, NPL, New Delhi (1993)
 Prof. S K Malik, TIFR, Mumbai (1994)
 Dr. P Ganguly, NCL, Pune (1994)
 Prof. L C Gupta, TIFR, Mumbai (1995)
 Dr. D Chakravorty, IACS, Kolkata (1995)
 Prof. K J Rao, IISc, Bangalore (1996)
 Dr. J V Yakhmi, BARC, Mumbai (1996)
 Prof. A K Barua, IACS, Kolkata (1997)
 Dr. Anil Kakodkar, BARC, Mumbai (1997)
 Dr. P Rodriguez, IGCAR, Kalpakkam (1998)
 Prof. R Vijayaraghavan, TIFR, Bombay (1998)
 Dr. Y R Mahajan, ARC-I, Hyderabad (1999)
 Dr. T S Radhakrishnan, IGCAR, Kalpakkam (1999)
 Dr. N V Madhusudana, RRI, Bangalore (2000)
 Dr. C K Gupta, BARC, Mumbai (2000)
 Dr. S K Sikka, BARC, Mumbai (2001)
 Dr. D Banerjee, DMRL, Hyderabad (2001)
 Prof. P Ramachandra Rao, NML, Jamshedpur (2002)
 Prof. A K Raychaudhuri, IISc, Bangalore (2002)
 Dr. S Banerjee, BARC, Mumbai (2003)
 Dr. B M Arora, TIFR, Mumbai (2003)
 Prof. Dhananjai Pandey, BHU, Varanasi (2004)
 Prof. S B Krupanidhi, IISc, Bangalore (2004)
 Dr. Baldev Raj, IGCAR, Kalpakkam (2005)
 Prof. G. Ananthakrishna, IISc, Bangalore (2005)
 Prof. A K Shukla (IISc, Bangalore & CECRI, Karaikudi) (2006)
 Dr. G Sundararajan (ARC-I, Hyderabad) (2006)
 Prof. M K Surappa (IISc, Bangalore) (2007)
 Dr. C S Sundar (IGCAR, Kalpakkam) (2007)
 Dr. K S Narayan (JNCASR, Bangalore) (2008)
 Prof. V Ramgopal Rao (IIT-Mumbai) (2008)
 Dr. C P Sharma, (SCTIMST, Thiruvananthapuram) (2009)
 Dr. H S Maiti, (CGCRI, Kolkata) (2009)
 Dr. N Kumar (Defence Laboratory, Jodhpur) (2010)
 Prof. O N Srivastava (BHU, Varanasi) (2010)
 Prof. D Bahadur (IIT, Mumbai) (2011)
 Prof. G U Kulkarni (JNCASR, Bangalore) (2011)
 Prof. L M Manocha (SP University, Gujarat) (2011)
 Prof. S M Shivaprasad, JNCASR, Bangalore (2012)
 Dr. Amlan J Pal, IACS, Kolkata (2012)
 Prof. R P Tandon, University of Delhi, Delhi (2012)
 Dr. M P Janawadkar, IGCAR, Kalpakkam (2013)
 Dr. R Muralidharan, SSPL, Delhi (2013)
 Dr. Gautam De, CGCRI, Kolkata (2014)
 Dr. V P S Awana, NPL, India (2014)
 Dr. Shrikant V Joshi (ARCI, Hyderabad) (2014)
 Dr. Navin Chand, AMPRI, Bhopal (2014)
 Prof. Samit K Ray, IIT, Kharagpur (2015)
 Dr. George Thomas, IISER, Trivandrum (2015)

MRSI Medal Lectures

MRSI Medals are awarded in recognition of excellence in a particular field of expertise within the domain of materials and processes. Recipients of these medals are invited to deliver lectures at the MRSI Annual Meeting. So far 305 Medals have been awarded. The MRSI Medal winners for the years 1990 to 2010 are listed below:

1990

Prof. S. B. Ogale, University of Poona, Pune
 Dr. P. Muralidharan, SSPL, Delhi
 Prof. S. V. Subramanyam, IISc, Bangalore
 Prof. K. Chattopadhyay, IISc, Bangalore
 Dr. V. Chandrasekharan, DMRL, Hyderabad
 Prof. D. D. Sarma, IISc, Bangalore
 Prof. Manu Multani, TIFR, Mumbai
 Dr. A. M. Varaprasad, DMSRDE, Kanpur
 Prof. G. V. Subba Rao, IIT, Madras
 Dr. D. Pandey, BHU, Varanasi
 Dr. S. Sivaram, NCL, Pune
 Dr. M. K. Sridhar, NAL, Bangalore
 Prof. C. Lakkad, IIT, Mumbai
 Prof. K. A. Padmanabhan, IIT, Madras
 Dr. N. C. Birla, DMRL, Hyderabad
 Dr. S. Banerjee, BARC, Mumbai

1991

Prof. S. Ranganathan, IISc, Bangalore
 Dr. A. H. Sequeria, BARC, Mumbai
 Dr. A. K. Sreedhar, SSPL, New Delhi
 Prof. A. K. Barua, IACS, Kolkata
 Dr. H. S. Maiti, CGCRI, Kolkata
 Prof. R. Srinivasan, IIT, Madras
 Prof. B. K. Sadashiva, RRI, Bangalore
 Dr. O. P. Bahl, NPL, New Delhi
 Dr. D. Banerjee, DMRL, Hyderabad
 Dr. J. Mukherji, CGCRI, Kolkata
 Prof. D. N. Bose, IIT, Kharagpur
 Dr. A. K. Singh, NAL, Bangalore
 Dr. S. K. Sikka, BARC, Mumbai
 Prof. J. Gopalakrishnan, IISc, Bangalore
 Dr. C. K. Gupta, BARC, Mumbai
 Dr. P. Rodriguez, IGCAR, Kalpakkam
 Dr. V. M. Nadkarni, NCL, Pune

1992

Dr. B. K. Das, NPL, New Delhi
 Prof. Vikram Kumar, IISc, Bangalore
 Prof. S. Mohan, IISc Bangalore
 Prof. G. Ananthakrishna, IISc, Bangalore
 Dr. R. Thyagarajan, SSPL, Delhi
 Prof. D. Chakravorty, IACS, Kolkata
 Dr. Baldev Raj, IGCAR, Kalpakkam
 Dr. A. D. Damodaran, RRL, Thiruvananthapuram
 Dr. S. R. Rajagopalan, NAL, Bangalore
 Dr. Pradip, TRDDC, Pune
 Prof. P. Pramanik, IIT, Kharagpur
 Dr. Y. R. Mahajan, DMRL, Hyderabad
 Dr. G. Sundararajan, DMRL, Hyderabad
 Prof. K. T. Jacob, IISc, Bangalore
 Prof. P. Ramasamy, Anna Univ. Chennai
 Dr. S. P. Garg, BARC, Mumbai
 Prof. P. Ganguly, NCL, Pune
 Prof. S. Banerjee, NML, Jamshedpur
 Dr. R. Sivakumar, SCTIMST, TRV
 Dr. N. Balasubramanian, Everest Ltd., Bangalore
 Dr. C. G. Krishnadas Nair, HAL, Bangalore

1993

Dr. D. Ganguli, CGCRI, Kolkata
 Prof. G. S. Upadhyaya, IIT, Kanpur
 Dr. K. C. Patil, IISc, Bangalore

Dr. S. K. Date, NCL, Pune
Dr. L Madhav Rao, BARC, Mumbai
Dr. Sanak Mishra, SAIL (R & D) Ranchi
Dr. Krishan Lal, NPL, New Delhi
Dr. A K Chatterjee, ACC Ltd, Thane
Prof. O. Prabhakar, IIT, Chennai
Dr. S. L. Mannan, IGCAR, Kalpakkam
Prof. K. V. S. Rama Rao, IIT, Chennai
Dr. C. Ganguly, BARC, Mumbai
Dr. R B Subramanyam, DMRL, Hyderabad
Prof. K A Natarajan, IISc, Bangalore
Dr. A K Shukla, IISc, Bangalore
Dr. C K Mathews, IGCAR, Kalpakkam

1994

Dr.K.Balakrishnan, CECRI, Karaikudi
Prof. S.V.Bhat, IISc, Bangalore
Prof. S.K.Biswas, IISc, Bangalore
Dr. R.N.Ghosh, NML, Jamshedpur
Prof. V.V.P.Kutumba Rao, BHU, Varanasi
Dr. S.K.Mitra, Tata Steel, Jamshedpur
Dr. T.S.Radhakrishnan, IGCAR, Kalpakkam
Dr.(Mrs).G.Rohini Devi, DRDL, Hyderabad
Dr. C.S.Sundar, IGCAR, Kalpakkam
Prof. M.S.Hegde, IISc, Banalore
Prof. H.L.Bhat, IISc, Bangalore
Dr. D.Bhattacharya, IIT, Kharagpur
Dr. Sudhir S.Kulkarni, NCL, Pune
Dr. C.Manohar, BARC, Mumbai
Prof. A.K.Pal, IACS, Kolkata
Dr.(Mrs) Indira Rajgopal, NAL, Bangalore
Dr. C.P.Sharma, SCTIMST, Thiruvananthapuram
Prof.S.V.Suryanarayana, OU, Hyderabad

1995

Prof.S.C.Agarawal, IIT, Kanpur
Dr. A.K.Gupta, NPL, New Delhi
Prof.T.R.N.Kutty, IISc, Bangalore
Prof. L.M.Manocha, S.P.University, Vallabh Vidyanagar
Dr,T.K.Mukherjee, BARC.Mumbai
Dr.B.K.Sarkar, CGCRI, Kolkata
Prof.Subrata Ray,Univ. of Roorkee, Roorkee
Prof.Pushpa Bajaj, New Delhi
Dr.Pran Kishan,SSPL, Delhi
Prof.L.K.Malhotra,IIT, New Delhi
Dr.O.N.Mohanty, TISCO,Jamshedpur
Dr.V.S.Raghunathan, IGCAR, Kalpakkam
Prof.S.P.Sengupta,IACS, Kolkata
Prof.Shamsuddin,BHU,Varanasi

1996

Dr.B.M.Arora,TIFR, Mumbai
Prof. A K Raychaudhuri,IISc,Bangalore
Dr.A.K.Grover, TIFR, Mumbai
Dr. E.V.Sampath Kumar, TIFR,Mumbai
Dr. S. A. Shivashankar, IISc, Bangalore
Dr. Subhash Chandra, NPL, Pune
Dr. Vikram Jayaram, IISc, Bangalore
Dr. Vijay Kumar, IGCAR, Kalpakkam
Dr.Arun Umarji, IISc,Bangalore
Dr.D.Bahadur, IIT, Mumbai
Prof.T.Nagarajan, Madras University, Chennai
Prof. R G Sharma, NPL, New Delhi
Prof. R. P. Singh, IIT, Kharagpur

Dr. K. Vijayamohanan, NCL, Pune
Prof. U. V. Varadaraju, IIT, Chennai

1997

Dr. G. Banerjee, CGCRI, Kolkata
Dr.K.Bhanu Sankara Rao, IGCAR, Kalpakkam
Dr.A.Jayakrishna, SCTIMST, Thiruvananthapuram
Dr. V. N. Krishnamurthy, VSSC, Thiruvananthapuram
Dr. N. G. Nair, IIT, Chennai
Dr. M. C. Pandey, DMRL, Hyderabad
Dr. Rameshwar Jha, TISCO, Jamshedpur
Prof. M. K. Surappa, IISc, Bangalore
Dr. B P Sharma, BARC, Mumbai
Dr. B. K. Godwal, BARC, Mumbai
Prof. T. N. Guru Row, IISc., Bangalore
Prof. S. B. Krupanidhi, IISc., Bangalore
Dr. B. M. Mandal, IACS, Kolkata
Dr. K. S. Narayan, JNCASR, Bangalore
Prof. R. Pinto, TIFR, Mumbai
Prof. V. D. Vankar, IIT,New Delhi
Prof. V. N. Rajasekharan Pillai, M G University Kottayam

1998

Dr. A.K.Jha, RRL, Bhopal
Prof. B. Viswanathan, IIT, Chennai
Dr. Neeraj Khare, NPL, Delhi
Dr.(Ms) Prabha R Chatterjee, ICT,Hyderabad
Dr. P.R.Vasudeva Rao, IGCAR, Kalpakkam
Prof. S.N. Kaul, Central University, Hyderabad
Dr. G.Malakondaiah, DMRL, Hyderabad
Dr. Om Prakash, BHU, Varanasi
Dr. Prabha D Nair, SCTIMST, Thiruvananthapuram
Dr. P.S.Goyal, BARC,Mumbai
Mr. K.S.Ghosh, TISCO, Jamshedpur
Dr. K.B.R.Varma, IISc, Bangalore
Dr.T.Bandyopadhyaya,CGCRI, Kolkata

1999

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Dr. K Sreenivas, SCTIMST, Thiruvananthapuram
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Dr. T Rajasekharan, DMRL, Hyderabad
Dr. S M Sharma, BARC, Mumbai
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2000

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Prof. Atul Choksi, IISc, Bangalore
Dr. G P Das, BARC, Mumbai
Dr. S C Gupta, BARC, Mumbai
Dr. Y Hariharan, IGCAR, Kalpakkam
Prof. I Manna, IIT, Kharagpur
Prof. S N Ojha, BHU, Varanasi
Dr. A R Raju, JNCASR, Bangalore
Dr. T G Ramesh, NAL, Bangalore
Prof. M K Sanyal, SINP, Kolkata
Prof. Ajay Sood, IISc, Bangalore
Dr. A K Suri, BARC, Mumbai

Dr. V K Wadhawan, CAT, Indore

2001

Shri. Chintamani, NFC, Hyderabad
Dr. A Ghosh, IACS, Kolkata
Dr. Gurnam Singh, CAT, Indore
Prof. R Nagarajan, TIFR, Mumbai
Dr. G J Prasad, BARC, Mumbai
Dr. K Sheela Ramasesha, NAL, Bangalore
Dr. B Viswanathan, IGCAR, Kalpakkam
Dr. G K Dey, BARC, Mumbai
Dr. A Govindaraj, SSCU, IISc, Bangalore
Dr. M Jayabalan, SCTIMST, Thiruvananthapuram
Dr. S K Pabi, IIT, Kharagpur
Dr. N Ramakrishnan, DMRL, Hyderabad
Dr. T Ramasami, CLRI, Chennai
Dr. K G Satyanarayana, RRL, Thiruvananthapuram
Dr. O M Sreedharan, IGCAR, Kalpakkam

2002

Prof. Ashok Misra, IIT, Bombay, Mumbai
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Dr. Chaplot S L, BARC, Mumbai
Prof. Damodara Das V, IIT, Madras, Chennai
Prof. Devendra Kumar, BHU, Varanasi
Kumar A N, Indian institute of Technology, Delhi
Majumdar S D, ACC, Thane
Pawar S H, Shivaji University, Kolhapur
Prof. Pradeep T, IIT, Madras, Chennai
Prof. Ramakrishnan S, IISc, Bangalore
Dr. Shobhana Narasimhan, JNCASR, Bangalore
Prof. Shrikant V Joshi, ARC-I, Hyderabad
Dr. Subramanian P N, VSSC, Thiruvananthapuram

2003

Dr. Amarnath Sen, CGCRI, Kolkata
Dr. Bharathi A, IGCAR, Kalpakkam
Prof. Bhupendra N Dev, Institute of Physics, Bhubaneswar
Prof. Devang V Khakhar, IIT, Mumbai
Prof. Jyothindra Kumar K, Govt. Dental College,
Thiruvananthapuram
Dr. Kothiyal G P, BARC, Mumbai
Dr. Maitra A N, Univ. of Delhi, Delhi
Dr. Mitra R, IIT, Kharagpur
Dr. Murali Sastry, NCL, Pune
Prof. Narayanasamy A, Univ. of Madras, Chennai
Dr. Pillai C K S, RRL, Thiruvananthapuram
Prof. Sekhon S S, Guru Nanak Dev Univ, Amritsar
Prof. Shanker Ram, IIT, Kharagpur

2004

Dr. B.C. Pai, RRL, Thiruvananthapuram
Dr. Debabrata Basu, CGCRI, Kolkata
Prof. A.K. Nandi, IACS, Kolkata
Prof. B.S. Murty, IIT, Kharagpur
Dr. Suman Kumari Mishra, NML, Jamshedpur
Prof. B.R. Mehta, IIT, Delhi
Dr. Pushan Ayyub, TIFR, Mumbai
Dr. V. Venugopal, BARC, Mumbai
Dr. M. Vijayalakshmi, IGCAR, Kalpakkam
Dr. S.C. Jain, NFC, Hyderabad
Dr. R.M.V. Gopalakrishna Rao, NAL, Bangalore
Dr. B.D. Malhotra, NPL, Delhi
Dr. T.L. Prakash, C-MET, Hyderabad

2005

Dr. Arvind Sinha, NML, Jamshedpur
Dr. Balasubramanian S, JNCASR, Bangalore
Dr. Budhani R C, IIT, Kanpur
Prof. Byrappa K, Mysore University, Mysore
Prof. Chandrasekaran S, IISc, Bangalore
Dr. Goutam De, CGCRI, Kolkata
Dr. Kulshreshtha S K, BARC, Mumbai
Dr. Radhakrishnan S, NCL, Pune
Dr. Sulabha Kulkarni, Pune University, Pune
Prof. Subhadra Chaudhuri, IACS, Kolkata
Dr. Tyagi A K (BARC, Mumbai
Dr. Umesh Waghmare, JNCASR, Bangalore

2006

Dr. Amlan J Pal, IACS, Kolkata
Dr. Ganguli A K, IIT, Delhi
Dr. George Thomas K, RRL, Thiruvananthapuram
Prof. Kashyap B P, IIT, Mumbai
Dr. Muraleedharan Nair K G, IGCAR, Kalpakkam
Dr. Patra A. CGCRI, Kolkata
Dr. Poonam Tandon, Lucknow University, Lucknow
Prof. Sampath S, IISc, Bangalore
Dr. Sharada Srinivasan, NIAS, Bangalore
Dr. Shivaprasad, S M, NPL, New Delhi
Prof. Siddhartha Das, IIT, Kharagpur
Dr. Srikanth S, NML, Chennai
Dr. Swapan Pati K, JNCASR, Bangalore
Dr. Upendra Natarajan, NCL, Pune

2007

Dr. Ajayaghosh A, RRL, Thiruvananthapuram
Dr. Ashim Kumar Mukhopadhyay, DMRL, Hyderabad
Dr. Ashok M Raichur, IISc, Bangalore
Dr. Basu R N, CGCRI, Kolkata
Dr. Chacko Jacob, IIT Kharagpur
Dr. Chandrabhas N, JNCASR, Bangalore
Dr. Parthasarathi G, NGRI, Hyderabad
Dr. Pathak L C, NML, Jamshedpur
Prof. Ranganathan R, SINP, Kolkata
Dr. Subrata Chatterjee, Bengal Engg & Sci University,
Howrah
Dr. Sujeet Chaudhary, IIT-Delhi, New Delhi

2008

Dr. D P Amalnerkar, C-MET, Pune
Prof. Arun Chattopadhyay, IIT, Guwahati
Dr. Ashok Kumar Ray, NML, Jamshedpur
Dr. Dilshad Akhtar, DMRL, Hyderabad
Dr. R K Kotnala, NPL, New Delhi
Prof. Y N Mohapatra, IIT-Kanpur
Prof. N K Mukhopadhyay, BHU, Varanasi
Prof. S K Ray, IIT, Kharagpur
Dr. P Sujatha Devi, CGCRI, Kolkata
Dr. Suresh Das, RRL, Thiruvananthapuram
Dr. A K Tyagi, IGCAR, Kalpakkam
Dr. S M Yusuf, BARC, Mumbai

2009

Dr. Absar Ahmad, National Chemical Laboratory, Pune
Prof. A Basu Mallick, BESU, Shibpur, Howrah
Dr. S K Bhaumik, NAL, Bangalore

Dr. Karabi Das, IIT, Kharagpur
Dr. T Prem Kumar, CECRI, Karaikudi
Prof. A Sundaresan, JNCASR, Bangalore
Dr. S Sethuraman, Center for Nanotechnology & Advanced Biomaterials, Thanjavur
Dr. Shantikumar Nair, Amrita Institute of Nanoscience, Kochi
Dr. M T Sebastian, NIIST, Trivandrum
Prof. Subodh Kumar De, IACS, Kolkata
Prof. Subhasis Ghosh, J N University, New Delhi
Dr. Tata Narasinga Rao, ARC-I, Hyderabad
Dr. B V R Tata, IGCAR, Kalpakkam
Prof. Uday Maitra, IISc, Bangalore

2010

Dr. S R Barman, UGC-DAE Consortium for Scientific Research, Indore
Dr. Subhasish Basu Majumder, IIT, Kharagpur
Dr. D Ramaiah, NIST, Thiruvananthapuram
Dr. T Gnanasekaran, IGCAR, Kalpakkam
Prof. B Jagirdar, IISc, Bangalore
Prof. R K Mandal, BHU, Varanasi
Dr. P K Khanna, C-MET, Pune
Dr. V P S Awana, NPL, New Delhi
Dr. P R Harikrishna Varma, SCTIMST, Trivandrum
Dr. P K Biswas, CGCRI, Kolkata
Dr. Bharat B Kale, C-MET, Pune
Dr. D K Aswal, BARC, Mumbai
Dr. K K Nanda, IISc, Bangalore
Dr. A K Singh, DMRL, Hyderabad
Prof. R Murugavel, IIT, Mumbai

2011

Dr. Avanish Kumar Srivastava, NPL, New Delhi
Prof. Asim Bhaumik, IACS, Kolkata
Dr. Harish C Barshilia, NAL, Bangalore
Dr. John Philip, IGCAR, Kalpakkam
Dr. C Gouri, VSSC, Thiruvananthapuram
Prof. M Eswaramoorthy, JNCASR, Bangalore
Dr. O S Panwar, NPL, New Delhi
Dr. N Ravishankar, MRC, IISc, Bangalore
Prof. Arindam Banerjee, IACS, Kolkata
Prof. Rajiv Prakash, BHU, Varanasi
Dr. L M Kukreja, RRCAT, Indore
Dr. Anil Kumar P S, IISc, Bangalore
Dr. Ram Gopal, Allahabad University, Allahabad

2012

Dr. B L V Prasad, NCL, Pune
Prof. R Vijayaraghavan, VIT, Vellore
Prof. I Samajdar, IIT, Mumbai
Prof. T K Nath, IIT, Kharagpur
Dr. S A R Hashmi, AMPRI, Bhopal
Prof. K K Raina, Thapar University, Patiala
Prof. (Mrs) S Manocha, S P University, Vallabh Vidyanagar
Dr. Tarun K Mandal, IACS, Kolkata
Dr. R Mukhopadhyay, BARC, Mumbai
Dr. P Barat, Variable Energy Cyclotron Centre, Kolkata
Prof. Vinay Gupta, University of Delhi, Delhi
Prof. Arindam Ghosh, IISc, Bangalore
Prof. Ratnamala Chatterji, IIT, New Delhi
Prof. Bikramjit Basu, IISc, Bangalore
Dr. Roy Johnson, ARC-I, Hyderabad

Dr. Chandra Prakash, DRDO, Delhi

2013

Dr. Subi Jacob George, JNCASR, Bangalore
Prof. Aninda J Bhattacharyya, IISc, Bangalore
Dr. Sabu Thomas, M G University, Kottayam
Dr. Kota Murali, IBM India, Bangalore
Dr. Sheela Berchmans, CERI, Karaikudi
Dr. G Padmanabham, ARC-I, Hyderabad
Dr. A M Biradar, NPL, New Delhi
Prof. Jyotsna Dutta Majumdar, BESU, Shibpur
Dr. G Amarendra, IGCAR, Kalpakkam
Dr. Kulamani Parida, Instt. of Minerals and Materials Technology, Bhubaneswar
Dr. Nikhil K Singha, IIT, Kharagpur
Dr. S K Gupta, BARC, Mumbai
Dr (Mrs). Lakshmi Kantam, IICT, Hyderabad

2014

Dr. Satish Patil, IISc, Bangalore
Prof. N Karak, Tezpur University, Tezpur
Prof. T K Maji, JNCASR, Bangalore
Prof. Alokmay Datta, SINP, Kolkata
Dr. Shyamal Kumar Saha, IACS, Kolkata
Dr. N. Kalaiselvi, CERI, Karaikudi
Prof. T P Sinha, Bose Institute, Kolkata
Dr. Pankaj Poddar, NCL, Pune
Prof. Nandita DasGupta, IIT, Madras
Dr. Anoop Mukhopadhyay, CGCRI, Kolkata
Prof. Manjunatha Pattabi, Mangalore University, Mangalore
Dr. K K Chattopadhyay, Jadavpur University, Kolkata
Dr. S C Gadkari, BARC, Mumbai
Dr. Sangeeta Kale, DIAT, Pune
Dr P Prabhakar Rao, NIIST, Trivandrum
Dr K Nagarajan, IGCAR, Kalpakkam
Prof. Rabibrata Mukherjee, IIT, Kharagpur
Dr. R Gopalan, ARC-I, Hyderabad
Dr. N R Munirathnam, C-MET, Hyderabad
Prof. Abhishek Singh, IISc, Bangalore
Prof. Ashish Garg, IIT, Kanpur

MRSI Silver Jubilee Medal

Dr. Satish Ogale (NCL, Pune)
Prof. G P Das (IACS, Kolkata)
Dr. Pushpito K Ghosh (CSMCRI, Bhavnagar, Gujarat)
Prof. P S Anil Kumar (IISc, Bangalore)

2015

Dr. Nikhil R Jana, IACS, Kolkata
Prof. Dr. S Gopukumar, CERI, Karaikudi
Prof. P P Chattopadhyay, Indian Institute of Engineering Science and Technology, Kolkata
Dr. Beena Rai, Tata Research Development & Design Centre, Pune
Dr. V Kumar, C-MET, Thrissur
Prof. K RS Priolkar, Goa University, Goa
Dr. (Mrs). Chandana Rath, BHU, Varanasi
Dr. N V Chandra Shekar, IGCAR, Kalpakkam
Prof. K K Bamzai, University of Jammu, Jammu
Prof. Priya Mahadevan, S N Bose Centre, Kolkata
Dr. V M Jali, Gulbarga University, Gulbarga

Prof. V Adyam, IIT, Kharagpur
Dr. R Subasri, ARCI, Hyderabad
Dr. Ajay Dhar, NPL, New Delhi
Dr. G T Chandrappa, Bangalore University, Bangalore

BEST PAPER PRIZE (For publication in the Bulletin of Materials Science)

1990:

“A cold model study of mass transfer in Q-BOP” by Prof. S L Malhotra, Dr. S Singh and Dr. N Prasad, BHU, Varanasi, Bulletin of Materials Science, Vol. 12 (1989), p 369

1991:

“Thermodynamic properties of Pt₅La, Pt₅Ce, Pt₅Pr, Pt₅Tb and Pt₅Tm, intermetallics” by Prof. K T Jacob, IISc, Bangalore and Prof. Y Waseda, Tohoku University, Sendai, Japan, Bulletin of Materials Science, Vol. 13, (1990), p 235

1992:

“Ordered structures in ternary hcp alloys” by Prof. S Lele and Dr. A K Singh, BHU, Varanasi, Bulletin of Materials Science, Vol. 14 (1991), p 11

1993:

“Dynamic Fracture Mechanics-A scientific tool for the prevention of catastrophic Failure” by Dr. R Krishna Kumar, Dept. of Mechanical Engineering, Indian Institute of Technology, Madras, Bulletin of Materials Science, Vol. 15 (1992), p 55

1994:

“EXAFS: Determination of Cation Distribution in Spinels” by Dr. G M Bhongale, Dr. D K Kulkarni, Dept. of Physics, Institute of Science, Nagpur and Dr. V B Sapre, Dept. of Physics, Nagpur University, Nagpur, Bulletin of Materials Science, Vol. 16 (1993), p. 243

1995:

“The role of additives in a complex lithium silicate glass ceramic” by Prof. R N Das, Prof. B K Chandrashekar, Ceramic Technological Institute, Bharat Heavy Electrical Ltd, Bangalore & Prof. K J Rao, Materials Research Centre, Indian Institute of Science, Bangalore, Bulletin of Materials Science, Vol. 17 (1994), p 59

1996: No prize was given in 1996.

1997:

“Crystallization of glass in Fireclay Refractories” by Dr. S P Choudhury and Dr. T Dutta, CGCRI, Kolkata, Part II and Part III, Bulletin of Materials Science, Vol. 19 (1996), p 373.

1998:

‘A New inexpensive method for the preparation of acicular precursors for magnetic recording media’ by M R Anantharaman, K V Joseph and H V Keer, Dept. of chemistry, IIT, Mumbai, Bulletin of Materials Science, Vol. 20, (1997), p 975.

1999:

“Short term tissue response to carbon fibre : A preliminary *in vitro* and *in vivo* study’ by Mira Mohanty, T V Kumary, Division of Pathophysiology, SCTIMST, Thiruvananthapuram, Arthur V Lal, Vivarium & Materials Group, SCTIMST, Thiruvananthapuram and R Sivakumar, Biomedical Technology Wing, SCTIMST, Thiruvananthapuram, Bulletin of Materials Science, Vol. 21 (6) (1998), p 439.

2000:

‘Transmission Electron Microscopy and X-ray diffraction studies of Quantum Wells’, by D V Sridhara Rao, L Muraleedharan, Electron Microscopy Group, DMRL, Hyderabad, G K Dey, Materials Science Division, BARC, Mumbai, S K Halder, G Bhagavannarayan, Materials Characterization Division, NPL, New Delhi, P Banerji, D Pal and D N Bose, Advanced Technology Centre, IIT, Kharagpur, Bulletin of Materials Science, Vol 22, No. 6, October (1999), pp. 947.

2001:

‘Helium implanted AlHf as studied by 181Ta TDPAC’ by R Govindaraj, Materials Science Division, IGCAR, Kalpakkam, K P Gopinathan, Dept. of Physics, Cochin University of Science & Technology, Cochin and B Viswanathan, Materials Science Division, IGCAR, Kalpakkam, Bulletin of Materials Science, Vol. 23, No. 3, June (2000), p 201

2002:

‘Non Equilibrium Solidification of undercooled droplets during Atomization Process’ by Prasanth Shukla, R K Mandal and S N Ojha, Centre for Advanced Study, Dept. of Metallurgical Engineering, Banaras Hindu University, Varanasi 221 005, Bulletin of Materials Science, Vol 24 (2001) p. 547.

2003:

‘Preliminary *in vitro* and *in vivo* characterizations of a sol-gel derived bio-active glass ceramic system’ by S Abhiraman, H K Varma, T V Kumari, P R Umashankar and Annie John, Biomedical Technology Wing, Sree Chitra Tirunal Institute of Medical Sciences & Technology, Thiruvananthapuram, Bulletin of Materials Science, Vol 25 (5) (2002), p 419.

2004:

‘Development of fully Injectable Calcium Phosphate Cement for Orthopedic and Dental Applications’ by Manoj Komath and H K Varma, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram, Bulletin of Materials Science, Vol 26 (4), (2003), p 415.

2005:

‘Fabrication of silicon based glass fibres for optical communication’ by Vivek P Kude, Department of Applied Physics, MGM College of Engineering, Nanded and R S Khairnar, School of Physical Sciences, SRTMU, Vishnupuri, Nanded, Bulletin of Materials Science, Vol 27 (1), February 2004, pp 73-77.

2006:

'Polyvinyl alcohol-cellulose composite: a taste sensing material' by Sarmishtha Majumdar and Basudam Adhikari, Materials Science Centre, Indian Institute of Technology, Kharagpur 721 302 Bulletin of Materials Science, Vol (28), No. 7, December 2005, pp. 703-712.

2007:

'Functional finishing in cotton fabrics using zinc oxide nanoparticles' by A Yadav, Virendra Prasad, A A Kathe, Sheela Raj, Deepti Yadav, C Sundaramoorthy and N Vigneshwaran, Nanotechnology Group, Central Institute for Research on Cotton Technology, Mumbai 400 019, Bulletin of Materials Science, Vol (29), No. 6, November 2006, pp. 641-645.

2008:

'Effect of size of copper nanoparticles on its catalytic behaviour in Ullman reaction' by Mohd. Samim, N K Kaushik and Amarnath Maitra, Department of Chemistry, University of Delhi, Delhi 110 007, Bulletin of Materials Science, Vol 30 (2007) p.535

2009:

'Studies on Nanocrystalline Zinc Coating' by H B Muralidhara and Y Arthoba Naik, Department of PG Studies and Research in Chemistry, Kuvempu University, Shankaraghatta, Bulletin of Materials Science, Volume 31, (2008), pp.585.

2010:

"Low temperature synthesis of nanosized $Mn_{1-x}Zn_xFe_2O_4$ ferrites and their characterizations" by Rajesh Iyer, Rucha Desai and R V Upadhyay, Bulletin of Materials Science, Volume (32), No. 2, April 2009, pp. 141-147.

2011:

"Low temperature synthesis of $Ba_{1-x}Sr_xSnO_3$ ($x = 0-1$) from molten alkali hydroxide flux" by B Ramdas and R Vijayaraghavan, Materials Division, School of Advanced Sciences, VIT University, Vellore, Volume (33), No.1, February 2010, pp 75-78

2012:

"Formation of nanoscale tungsten oxide structures and colouration characteristics" by Vijay Bhooshan Kumar and Dambarudhar Mohanta, Nanoscience Laboratory, Department of Physics, Tezpur University, Tezpur, Volume 34, No 3, June 2011, pp 435

2013

"Pd grating obtained by direct micromolding for use in high resolution optical diffraction based sensing" by Ritu Gupta and Giridha U Kulkarni, Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore, Vol (35) No. 5, October 2012, pp. 773-779.

"Effect of TiO_2 nanotube length and lateral tubular spacing on photovoltaic properties of back illuminated dye sensitized solar cell" by Shantikumar V Nair, A Balakrishnan, K R V Subramanian, A M Anu, A M Asha and B Deepika, Nano Solar Division, Amrita Centre for Nanosciences, Kochi. Vol (35), No. 4, August 2012, pp 489-493.

2014:

"Impact of interfacial interactions on optical and ammonia sensing in zinc oxide/polyaniline structures", by MANSI DHINGRA, LALIT KUMAR, P SENTHIL KUMAR, S ANNAPOORNI, Department of Physics and Astrophysics, University of Delhi, Delhi 110 007 and SADHNA SHRIVASTAVA, Department of Physics, Dyal Singh College, University of Delhi, Lodhi Road, New Delhi 110 003, Bulletin of Materials Science, Vol. 36, No. 4, August 2013, pp 647

BEST POSTER PRIZES

2004:

'MTMS based Superhydrophobic Silica Aerogels' by Manish M Kulkarni and A Venkateswara Rao, Dept. of Physics, Shivaji University, Kolhapur.

'Modifications to the Phase Diagram of $(1-x)Pb[(Mg_{1/3}Nb_{2/3})O_3]-xPbTiO_3$ Ceramics' by Akhilesh Kumar Singh, Dhananjai Pandey and Oksana Zaharko, Banaras Hindu University, Varanasi.

'Photoimageable conductor Composition for high Density Electronic Packaging of Smart Devices & Allied Subsystems' by Govind G Umarji, Supriya A Ketkar, R Marimuthu, G J Phatak, T Seth, D P Amalnerkar and U P Mulik, C-MET, Pune.

'Spin Probe ESR Studies of PEG_xLiClO_4 Solid Polymer Electrolyte Systems' by Shrivalli N Bhat, Ajay Sharma, S Srinivas Rao and S V Bhat, Dept. of Physics, Indian Institute of Science, Bangalore.

2005:

'Synthesis and characterization of Silica-Titania core-shell Particles' by Kalele S, Dey R.M., Hebalkar N., Godavi S. and Kulkarni S.K., Dept. of Physics, University of Pune

'Field Emission Characteristics of Rose petal like Nanostructured carbon thin films grown by MPECVD Process' by Srivastava S.K., Shukla A.K., Vanker V.D. and Kumar V, Department of physics, Indian Institute of Technology and National Physical Laboratory, Pusa, Delhi

'Synthesis and characterization of Zinc oxide Nanoparticles' by Ashtaputre, S.S., Marathe S.K., Gosavi S.W., and Kulkarni S.K., Dept. of Physics, Pune University

'Effect of Curing Temperature and Fibre Loading on the swelling behavior of Isora fibre reinforced Natural rubber Composites in oils used in automobiles' by Lovely Mathew, Joseph K.U. and Rani Joseph Department of Polymer Science and Rubber Technology, Cochin University of Science and Technology, Cochin

2006:

'Nanotechnology via Solution Chemistry' by Shobhit C and Khanna P K, C-MET, Pune

'Superhydrophilic and Photocatalytic properties of Sol-Gel TiO₂ Thin Films on Glass' by Mahata S and Kundu Debtosh, CGCRI, Kolkata

'Observation of TO₁ soft mode in SrTiO₃ thin films by THZ-time domain spectroscopy' by Misra M, University of Lucknow, Lucknow, Kotani K, Kawayama I, Murakami H and Tonouchi M, Osaka University, Japan

'Stabilization of high temperature form of Orthorhombic CaCO₃ using reserve Micelles: source of Calcium Oxide Nanoparticles' by Ahmed J, Vaidya S, Ahmad T and Ganguli A K, Dept. of Chemistry, IIT- Delhi, New Delhi

'Studies on the performance of Cardanal based adhesives on different Substrates' by V Lity Allen, and Thachil Eby Thomas, Cochin University of Science and Technology, Kochi

'A new phase boundary in the phase diagram of (1-x)[Pb(Mg_{1/3}Nb_{2/3})O₃]-xPbTiO₃' by Singh AK, Singh SP and Pandey D, BHU, Varanasi

2007:

"Patterned silicon wafer for nanostructure growth" S K Panda and C Jacob, Materials Science Centre, Indian Institute of Technology, Kharagpur.

"Characterization of structural and magnetic transitions in Ni-Mn-Ga Heusler type alloys" Ranjan Kumar Singh, R Gopalan, R P Mathur, P Ghosal, V Chandrasekaran, Defence Metallurgical Research Laboratory, Hyderabad and M Shamsudin, Department of Metallurgical Engineering, Banaras Hindu University, Varanasi.

"Controllable tungsten oxide thin film nanostructures as cathodes for electrochromic smart windows" M Deepa, Govind, S M Shivaprasad, Shahzada Ahmad and A K Srivastava, National Physical Laboratory, Dr. K S Krishnan Road, New Delhi.

"Ultra high purification of gallium through multi-step processing for opto-electronic device applications" U Rambabu, N R. Munirathnam and T L Prakash, Centre for Materials for Electronics Technology, Hyderabad.

"Preparation and characterization of β-PVDF films" Anjana Jain, Kalyan Sundaram, V Vedha Prakash, National Aerospace Laboratories, Bangalore and H.H. Kumar, ARDE, Pashan, Pune

"Effect of Mn^{III} acetylacetonate complexes on the hydrophilicity of nanocrystalline sol-gel derived TiO₂ films by dip-coating technique" Ravi Ranjan Pandey, C P Sharma, K K Saini, Vinod Tanwar, Chandra Kant, Davinder Singh, Balbir Singh, National Physical Laboratory, Dr. K S Krishnan Road, New Delhi and Man Singh, Department of Chemistry, Chemistry Research Lab, Deshbandhu College, University of Delhi, New Delhi.

2008:

'Ultra High Purity Gallium (99.99999 % / 7N) for Opto and Micro Electronics Device Applications – An

Indigenous Effort' U Rambabu and T L Prakash, C-MET, Hyderabad

'TG-DT Analysis for Carbon Assisted Synthesis of C:MgB₂' B B Sinha, S C Chougale and S H Pawar, Shivaji University, Kolhapur

'Optical and Switching Studies on Near-Stoichiometric Nd:Zn:LiNbO₃ Crystals' J N Babu Reddy, K Ganesh Kamath, H L Bhat and Suja Elizabeth, Indian Institute of Science, Bangalore

'Role Head Group Structure in Regulating the Packing Density of Lipid Monolayers-Nerve Conduit Applications' K Kaladhar and C P Sharma, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram

2009:

"Size induced arrest of the room temperature crystallographic structure and destabilization of the charge ordered state in La_{0.5}Ca_{0.5}MnO₃ nanocrystals" Tapati Sarkar, A K Raychaudhuri and Tapan Chatterji, SN Bose National Centre for Basic Sciences, Kolkata.

"Preparation of Al-Si graphite particulate reinforced composite through stir coating method and their structure property correlation" G Raja Ram, M Thirumurugan, S Kumaran and T Srinivas Rao, National Institute of Technology, Trichy.

"A novel approach for the synthesis of silicalite-1 Zeolite seed crystals and thin films" M K Naskar, D Kundu and M Chatterjee, Central Glass and Ceramic Research Institute, Kolkata.

"β-SiC/SiO₂ nanocables synthesized by APCVD technique", S K Panda, J Sengupta and C Jacob, Indian Institute of Technology, Kharagpur.

"Influence of electron beam irradiation on cationic migration and structural morphology of CuCoFe₂O₄ nanoparticles" M Balaji and D Pathinettam Padiyan, Manonmaniam Sundaranar University, Tirunelveli.

"Resonance energy transfer between dye and QD's" Tapasi Sen, Krishna Kanta Haldar and Amitava Patra, Indian Association for the Cultivation of Science, Kolkata.

"Unique features of biomimetics as a method for coating biomedical implants by bone mineral (hydroxyapatite)" Jui Chakraborty, Manjush Chakraborty, Poulomi Bose, Tarak Das and Debabrata Basu, Central Glass and Ceramic Research Institute, Kolkata.

"Synthesis of Au@Pd nanoparticles in Alumina Sols" Debrina Jana, Anirban Dandapat and Goutam De, Central Glass and Ceramic Research Institute, Kolkata.

"Coalescence of Thiol-capped Au nanoparticles in a polymer matrix", Nupur Biswas and Alokmay Datta, Saha Institute of Nuclear Physics, Kolkata.

"Visible photoluminescence from silicon and silicon oxide core-shell nanocomposites" Tuhin Shuvra Basu, Arpita

Jana, Biplab Biswas and Mallar Ray, Bengal Engineering and Science University, Shibpur, Howrah.

2010:

'HRTEM characterization of Ceria-Zirconia multilayer prepared by pulsed laser deposition' by Chanchal Ghosh, Divakar Ramachandran, P Kuppusami, E Mohandas and D Santikumar, IGCAR, Kalpakkam and G Balakrishnan, National Institute of Technology, Tiruchirappalli.

'Carbon/Silicon carbide composites with carbon nanotubes on Silicon carbide cloth Hybrid reinforcement' by L M Manocha and Rajesh Pande, S P University, Vallabh Vidyanagar, Gujarat.

'Thermal Plasma process for synthesis of crystalline nanotitania' by Macwan Dhwani P, Dave P N, Nirma University, Ahmedabad, Balasubramanian C, Rayjada P A and Chauhan N, Institute for Plasma Research, Ahmedabad.

'Exploration of possible novel phases in Ge-Sn system using LHDAC' by Y A Sorb, N R Sanjay Kumar, N V Chandra Shekar, M Sekar, T R Ravindran, N Subramanian, and Ch. Sahu, IGCAR, Kalpakkam

'Nanocaral Architectural TiO₂ form hydrothermal route' by S S Mali, Shivaji University, Kolhapur, C A Betty, BARC, Mumbai, P N Bhosale and P S Patil, Shivaji University, Kolhapur.

2011

'Biosensing Studies of Capped ZnS Nanoparticles for Sensing Applications' by Manoj Sharma and O.P. Pandey, School of Physics and Materials Science, Thapar University, Patiala 147004

'Investigation of fiber treatment on Fiber/Matrix Adhesion and Physico-Mechanical Properties of Sisal Reinforced Polyester composites' by Ruhi Haque, Mohini Saxena, S.C. Shit and P. Ashokan Advanced Materials and Processes Research Institute (CSIR), Bhopal- 462064

'A novel approach to Electro-optic and Thermo-chromic behavior of Polymer Stabilized Liquid Crystal composite film' by Rishi Kumar and K.K.Raina, Material Research Laboratory, School of Physics and Material Science, Thapar University, Patiala 147004, India

'Size controlled synthesis of zinc oxide rods via sonochemical process' by Arpita Jana, P Sujatha Devi and N R Bandyopadhyay, School of Materials Science and Engineering Bengal Engineering and Science, University, Shivpur,

2012 :

'Morphological studies of langmuir Blodgett films of polyaniline-TiO₂ composite material", Gurpreet Kaur Bhullar and K K Raina, Thapar University, Patiala.

'Synthesis of self sequestering surfactant from methyl isoricinoleate with maleic and phthalic anhydride and determination of stability constant with Ca²⁺ ions complexometrically" Sushil Kumar, Bhai Gurdas Institute

of Engineering and Technology, Sangrur, R P Singh, Guru Nanak Dev Engineering College, Ludhiana and Sukhprit Singh, Guru Nanak Dev University, Ludhiana.

"Chemical compatibility of borosilicate glasses with YSZ for SOFC applications", Gurbinder Kaur, O P Pandey and K Singh, Thapar University, Patiala.

"Vivid studies pertaining to synthesis of nanostructures of molybdenum oxide", Nilam Qureshi, Manish Shinde, Govind Umarji, Uttam Malik and Dinesh Amalnerkar, C-MET, Pune.

"Growth of thick ZnO thin films for acoustic sensors and SAW devices", Reema Gupta, Vinay Gupta, Kajal Jindal, Anjali Sharma, Monika Tomar, University of Delhi, Delhi, Mahanth Prasad, Arti Arora, CEERI, Pilani.

"Preparation and characterization of barium hexaferrite prepared from barium monoferrite", Samiksha Verma, Pooja Chauhan, O P Pandey and Puneet Sharma, Thapar University, Patiala.

"Hierarchical nanostructures of CdIn₂S₄ via hydrothermal and microwave methods", Sunil N Garaje, Sanjay K Apte, Sonali D Naik and Nharat B Kale, C-MET, Pune.

2013

"Glassy behavior in multiferroic Ba₃NbFe₃Si₂O₁₄ " by Satyapal Singh Rathore and Satish Vitta, Department of Metallurgical Engineering and Materials Science, Indian Institute of Technology Bombay, Mumbai – 400 076, India

"Rare Earth Intermetallic compounds RCoNi (R = Gd, Tb, Dy and Ho) for low temperature magnetic refrigeration applications" by Rajib Mondal, Department of Physics, Indian Institute of Technology Madras, Chennai 600 036, R. Nirmala, Department of Physics, Indian Institute of Technology Madras, 600 036, J. Arout Chelvane, Defence Metallurgical Research Laboratory, Hyderabad 500 058, India
A. K. Nigam, Tata Institute of Fundamental Research, Mumbai 400005,

"Tuning the photoluminescence of ferroelectric liquid crystal by controlling the size of dopant ZnO quantum dots" by Prasun Ganguly, T. Joshi, D Haranath, and A M Biradar, CSIR-National Physical Laboratory, Dr. K.S. Krishna Road, New Delhi-110012, S. Singh, Department of Physics, Banaras Hindu University, Varanasi – 221005,

"Ligament coarsening in Nanoporous Gold : A Positron Annihilation Study" by V. A. Chirayath, R. N. Viswanath, R. Rajaraman, G. Amarendra, C.S. Sundar, Materials Science Group, Indira Gandhi Centre for Atomic Research, Kalpakkam 603 102

"Structural Characteristics and mechanical properties of Reactive DC magnetron sputtered nanocrystalline TiN thin films at target power of 50 W" by Dinesh Kumar D, and R Jayavel Centre for Nanosciences and Technology, Anna University, Chennai – 600 025, India, and S. Kalaiselvam,

2014:

“Effect of texture coefficient on nanocrystalline SnO₂ based sensors for NO₂ Sensing” by Manjeet Kumar, Akshay Kumar and A. C. Abhyankar

“Controlled, electroless and rapid synthesis of carbon nanotubes/gold nanoparticles nanocomposite by spontaneous reduction of gold ions” by Ravi Nandan, Gopal K. Goswami and Karuna K. Nanda

“Growth of 2” Silicon Carbide (SiC) Single Crystal – Unique Wide Band Gap Semiconductor for Advance Electronic Application” by Sandeep Mahajana, M. V. Rokadea, S. T. Alia, N. R. Munirathnam, S. Debb, D. V. Sridhararaob, M. Vijayakumar b and A. K. Garg

“Nano Oxides for Performance Enhancement of Li-ion Batteries” by Raghu C Reddy, R Narasimha Rao and N R Munirathnam

“Liquid Crystal Based Highly Sensitive Bovine Serum Albumin Biosensor” by Prasun Ganguly, Ajay Kumar, Vikash Sharma, and A. M. Biradar

2015

Energy-Savvy Synthesis of Ti-Based Anodes for Li-Ion Batteries by S Ghosh, and P Barpanda, Materials Research Centre, Indian Institute of Science, Bangalore, Y Kee, and S Okada, Institute for Materials Chemistry and Engineering, Kyushu University, Japan.

Development of a compact water purification media of a sintered porous matrix of Rice-Husk ash and APTES-Functionalized clay impregnated with Nano-Silver by Rajshree Patil, Shankar Kausley, Dilshad Ahmad and Chetan Malhotra, Tata Research Development and Design Centre, Pune.

Structural, Microscopic, Spectroscopic and Electrical Properties of Nanosized Cerium Orthovanadate by Seema Verma, Bindu Raina and K K Bamzai, University of Jammu, Jammu.

Silicon Carbide (SiC) Single Crystal Growth by Physical Vapor Transport and Challenges by Sandeep Mahajan, R V Rokade, S T Ali and N R Munirathnam, Centre for Materials for Electronics Technology (C-MET), Hyderabad, S Deb, D V Sridhararao, L Durai and V V Bhanuprasad, Defence Metallurgical Research Laboratory, Hyderabad and A K Garg, Solid State Physics Laboratory, Delhi.

Multifunctional ZnFe₂O₄ Nanoparticle Based Dual Drug Delivery Platform by Debabrata Maiti, Arindam Saha and P Sujatha Devi, Central Glass and Ceramic Research Institute, Kolkata.

The Technology Information Forecasting and Assessment Council (TIFAC) has identified MRSI as a nodal agency for developing a data base for non-ferrous materials. In this connection, TIFAC has provided financial support to create a data bank on non-ferrous materials at MRSI headquarters, DMRL, Hyderabad dedicated for the purpose of data acquisition and storage pertaining to non-ferrous materials, technologies for their processing and areas of their application. A group of professionals with diverse background in Metallurgy, Computer Science and Library / Information science are working with this project. Presently the data bank consists of 1325 technology records on Non-ferrous Materials and it has published many value-added reports in the area of Non-ferrous Materials.

The MRSI/TIFACLINE Unit has moved to ARC-International, Hyderabad. Its scope will be widened to cover the areas of ceramics, powder metallurgy and surface engineering.

PUBLICATIONS

MRSI co-sponsors the publication of Bulletin of Materials Science (BMS) published by the Indian Academy of Sciences. In addition, several special issues of BMS have been brought out. The BMS published 207 papers in 1731 pages of scientific articles in 2014. The BMS is available on the internet (<http://www.ias.ac.in/matersci/>). Starting January 2007, the Bulletin of Materials Science is co-published with Springer. Along with hyperlinks to other relevant sites, Springer provides access to the content of the Bulletin worldwide in an online full-text database on Springer link (www.springerlink.com).

MRSI is also bringing out the MRSI Newsletter which includes the ‘Calendar of Events’ where the forthcoming conferences/symposia/workshops related to Materials Science are listed along with the name and address of the contact persons. The MRSI Newsletter is being edited by Dr. K K Nanda. Since 2011, only electronic version of the Newsletter is being published.

INTERNATIONAL COOPERATION

MRSI is a founding Adhering Body of the International Union of Materials Research Societies (IUMRS).

IUMRS together with C-MRS, MRS-INDIA, MRS-JAPAN, MRS-KOREA and MRS-TAIWAN reached an important decision in October 1992 to launch a new series of MRS Conference in Asia. The series is titled “The IUMRS International Conference in Asia” or IUMRS-ICA. The first conference of this series, IUMRS-ICA 1993, was organized by C-MRS. Later it was organized by MRS-Taiwan in 1994, MRS-Korea in 1995, MRS-Japan in 1997, MRS India in 1998, MRS China in 1999, MRS Hong Kong in 2000, MRS Mexico in 2001. No conference was held in 2002. MRS Singapore organized the ICA in 2003, MRS Taiwan in 2004. No conference was held in 2005 and MRS Korea organized in 2006.

MRSI hosted the IUMRS-ICA-98 conference in Bangalore during October 13-16, 1998 which was highly successful.

The prestigious conference IUMRS-ICAM was held in Bangalore, during October 8-13, 2007.

MRSI hosted the IUMRS-ICA 2013 during December 16-20, 2013 at Indian Institute of Science, Bangalore 560 012.

MRSI is a founding member of Asia Pacific Academy of Materials (APAM). It has continued its strong links with APAM. Prof. CNR Rao is its Founder President. Currently Prof. Kuznetsov is its President. APAM has members from India, Russia, Japan, China, Uzbekistan, Korea, Taiwan and Australia.

The APAM India chapter holds its annual meeting in conjunction with the AGM of MRSI. APAM-India Chapter has 80 members. Prof. O N Srivastava is the President of APAM India Chapter.

HONORARY MEMBERS

(elected during the period 1990-2015)

(year in the bracket indicates the year of election)

Ajayan P M, Rice University, USA (2008)
Akihisa Inoue, Tohoku University, Japan, (2001)
Alan Windle, University of Cambridge, U.K. (2003)
Alario-Franco M A, Ciudad Universitaria, Spain, (1992)
Aleksandrov Kirill S, L V Kirensky Institute of Physics, Russia, (1992)
Amelinckx S, RUCA Dept. of Physics, Belgium, (1991)
Amiya Mukherjee, University of California, U.S.A, (1997)
Andrade Joseph D, MEB, U.S.A, (1996)
Angell C A, Tempe, Arizona, U.S.A, (1999)
Armstrong Ronald W, Univ. of Maryland, U.S.A, (1995)
Arsenault R J, University of Maryland at College Park, U.S.A, (1995)
Ashby M F, University of Cambridge, U.K, (1990)
Baglin John E E, IBM Almaden Research Center, U.S.A., (1990)
Bandyo Y, National Institute for Materials Science, Japan (2010)
Bentini G C, CNR-Via GOBETTI, Italy, (1992)
Blinic R, J. Stefan Institute, Slovenia, (1992)
Bonfield William, University of Cambridge, U.K, (1993)
Brandon D G, Lehigh University, U.S.A, (1993)
Cahn John W, National Institute of Standards and Technology, U.S.A, (1993)
Cantor Brian, University of Oxford, U.K, (1996)
Catlow C R A, Davy Faraday Laboratory, The Royal Institution, U.K, (1996)
Chad A Mirkin, Northwestern University, USA (2013)
Chakravorthy B K, CNRS Lepes, 25 Avenue De Martyrs, France, (1991)
Chang R P H, Northwestern University, U.S.A, (1990)
Chaudhari Praveen, Watson Research Centre of Physical Sciences, U.S.A, (1990)
Chennupati Jagadish, Australian National University, Australia (2012)
Cheetham A K, University of California, U.S.A, (1994)

Chon Min Che, 6-28, Shinkyodong Chongnoku South, Korea, (1992)
Chowdari BVR, National University of Singapore, Singapore 119260, (2001)
Chunli Bai, Chinese Academy of Science, China (2013)
Clearfield A, Texas A & M University, U.S.A, (1996)
Cottrell Alan, University of Cambridge, U.K, (1992)
Cyrot-Lackman Francois, IEPES-CNRSC, BP 166X-380, France, (1991)
Day P, The Royal University of Great Britain, U.K, London, (1994)
Dayananda M A, Purdue University, U.S.A, (1997)
Disalvo F J, Baker Laboratory, U.S.A, (1996)
Doyama M, Teikyo University of Science & Technology, Japan, (1990)
Embury J D, McMaster University, Canada, (1993)
Endo M, Shinshu University, Japan (2014)
Esaki Leo, Shibaura Institute of Technology, Japan, (1995)
Etourneau J, Institut de Chimie de la Matiere Condensee de, France, (1994)
Dresselhaus Mildred S, Massachusetts Institute of Technology, U.S.A, (1991)
Edwards P P, The University of Birmingham, U.K, (1995)
Ferey Gerard, University of Versailles, France, (1998)
Fernando Lund, CIMAT, Chile, (2004)
Frank Karasz, Univ. of Massachusetts, U.S.A, (2003)
Fred Lange, Univ. of California, U.S.A, (2000)
Frolov K V, Russian Academy of Sciences, Russia, (1990)
Fujihara K, Yokohama National University, Japan, (1996)
Fujshima A, University of Tokyo, Tokyo, Japan, (1995)
Gatos Harry C, Massachusetts Institute of Technology, U.S.A, (1991)
George M Whitesides, Harvard University, U.S.A, (0)
Glasow Peter A, D-91054, Germany, (1994)
Gleiter H, Institute of Nanotechnology, Germany, (1994)
Gonzalez Calbet, Universidad Complutense, Spain, (1997)
Goodenough John B, Univ. of Texas (1990)
Granquist C G, Uppsala Universitet, Sweden, (2001)
Greenblatt Martha, RUTGERS, The State University of New Jersey, U.S.A, (1995)
Greenwood G W, Univ. of Sheffield, U.K, (1997)
Greer A L, Univ. of Cambridge, U.K, (2002)
Gschneidner K A, Iowa State University, U.S.A, (1993)
Hagemuller P, Univ. of Bordeaux I, France, (1990)
Helmut Dosch, DESY, Germany (2014)
Heeger A J, Institute of Organic Solids & Polymers, U.S.A, (1998)
Hirsch Peter, Univ. Oxford, U.K, (1990)
Honig Jurgen M, Purdue University, U.S.A, (1990)
Hsiao Tsechiang, Northeast University, China, (1995)
Inokuchi H, National Space Development Agency of Japan, Japan, (1999)
Interante L V, Rensselaer Polytechnic, U.S.A, (1994)
Jack Kenneth H, U.K, (1991)
Jagdish Narayan, North Carolina State University, U.S.A, (2000)
Jain S C, IMEC, Belgium, (2001)
Jayaraman A, Carnegie Institution of Washington, U.S.A, (1990)

Kaldis E, Laborotium Fur Festkorperphysic, Switzerland, (1992)

Khabibullaev P K, Uzbek Academy of Sciences, Uzbekistan, (1992)

Kitazawa Koichi, School of Frontier Sciences, Japan, (1991)

Kishi T, NIMS, Japan (2007)

Knut Urban, am Institut fur Festkorperforschung, Germany, (2000)

Koichi Niihara, Osaka University, Japan, (2001)

Koinuma H, Tokyo Inst. of Technology, Japan, (1996)

Kolster B H, Wentholtweg 9, 721y EE EPSE, Netherlands, (1992)

Kroenig M, Fraunhofer Institute of Non-Destructive Testing, Germany, (2000)

Kroto H W, Univ.of Sussex,,U.K, (1992)

Kuo K H, Chinese Academy of Sciences, China, (1992)

Kumar H Wikramasinghe, University of California, USA (2011)

Kuznetsov F A, Institute of Inorganic Chemistry,Russia, (1990)

Leslie Eric Cross, The Penn State University,U.S.A, (1994)

Li Heng-De, Tsinghua University, China, (1990)

Livage J, Universite Pierre et Marie Curie 4,France, (1995)

Lucas Jacques, Laboratoire Verres & Céramiques, France, (2005)

Luecke Kurt, Selzerbeeklaan 26, 6297, HW Vaals, Netherlands, (1993)

Mackay A L, Univ.of London,U.K, (1993)

Mahajan Subash, Carnegie Mellon University, U.S.A, (1991)

Margolin Harold, Polytechnical University,U.S.A, (1995)

Martin Jansen, Germany, (2002)

Masahiro Yoshimura, Tokyo Institute of Technology , Japan, (2003)

Masumoto T, The Research Institute for Electric,and Magnetic Materials, Japan, (1995)

Matthew Tirrell, Univ.of California,U.S.A, (2004)

McHenry Michael E, Carnegie Mellon University,500 Forbeb Ave,U.S.A, (1998)

Merzhanov A G, Institute of Structure Macrokinetics & Materials Science, Russia, (1997)

Metzner Arthur B, University. of Delaware, Dept. of Chemical Engineering,U.S.A, (1991)

Michael Klein, Director, LSRM,Laboratory for the Study of Materials,USA, (2005)

Mordike Barry L, Univ.of Malta, Europe, (1991)

Mrityunjay Singh, Ohio Aerospace Institute, USA (2011)

Narendra B Dahotre, University of North Texas, Texas, USA (2012)

Narayanamurthy V, Harvard University,U.S.A, (1995)

Newnham R E, Pennsylvania State University,U.S.A, 16802, (1993)

Nishizawa J I, Semiconductor Research Institute, Japan, (1992)

Ole K Andersen, Max-Planck Institute for Solid State Research, Germany, (2010)

Ossipyan Yu A, Russian Academy of Sciences,Russia, (1991)

Parrinello M, Max-Planck-Institut fur Festkorperforschung, Germany, (1999)

Patel C K N, Pranalytical Inc, 1101 Colorado Avenue, U.S.A, (1991)

Paul Attfield J, The University of Edinburgh,,U.K, (2006)

Peter Bruce, Oxford University, UK (2015)

Pouchard M, Membre de Institut Universitaire de France, France, (1994)

Ramdas A K, Purdue University, U.S.A, (1990)

Ram Katiyar, Puerto Rico University, USA (2014)

Rao Tummala R, Georgia Institute of Technology, U.S.A, (1992)

Rath Bhakta B, Naval Research Laboratory,U.S.A, (1990)

Raveau Benard, University De Caen, Chimie Du Solide, Boulv Du, Marechal Juin, France, (1991)

Roberts M W, Cardiff University, U.K, (1994)

Robert Honeycombe, Cambridge University,,U.K, (1992)

Roesky H W, Institut fur Anorganische Chemie,Germany, (1997)

Rousset A, UMR-CNRS 5085, Universite Paul Sabatier, France, (1993)

Roy Rustum, The Pennsylvania State University,U.S.A, (1990)

Ruehle M, Max-Plank Institut fur Metallforschung, (1995)

Sellars C M, The University of Sheffield, PO Box.600,U.K, (1994)

Shechtman D,Technion, Israel, (1997)

Shichang Zou, Shanghai Institute of Metallurgy,Chinese Academy of Sciences,China, (1992)

Siegel R W, Renssealaer Polytechnik Institute,, U.S.A, (1992)

Siffert Paul, CNRS/PHASE B.P. 20, F-67037 Strasbourg Cedex 2, France, (1990)

Sleight A W, Oregon State University, U.S.A, (1995)

Smalley R E, Rice University, U.S.A, (1992)

Somasundaran P, Columbia University in the City of New York, U.S.A, (1991)

Somiya Shigeyuki, Nishi Tokyo University,Japan, (1990)

Subramanian M A, Dupont Company, U.S.A, (2002)

Sunil K Sinha, Argonne National Laboratory,U.S.A, (2001)

Suresh Subra, MIT, USA (1996)

Suzuki A, Yokohama National University, Japan (2015)

Tanaka K, Joint Research Center for Atom Technology (JRCAT) Japan, (1993)

Taplin D M R, Univ.of Plymouth, U.K, (1993)

Tarascon J M, Universitat Picardie, Lab. of Reactivity & Chemistry of Solids, France, (1996)

Thomas G, Univ.of California, U.S.A, (1994)

Thomas J M, The Royal Inst. of Great Britain, U.K, (1996)

Tokura Y, Univ.of Tokyo, Japan, (1997)

Toshiaki Enoki, Graduate School of Science & Engineering, Japan, (2005)

Underhill A E, University College of North Wales,U.K, (1995)

Vallet Regi, Universidad Complutense De Madrid, Spain, (1997)

Vijh Ashok K, Institute De Recherche, d' Hydro-Quebec (IREQ), Canada, (1991)

Vinayak P Dravid, Northwestern University, USA (2011)

Vincenzini P, International Academy of Ceramics, Italy, (1992)

Wasa Kiyotaka, 2-7-27 Chiyogaoka, Japan, (1991)
Waseda Y, Sendai, Japan (2007)
Welland M E, University of Cambridge, UK (2008)
West A R, The University of Sheffield,U.K, (1994)
Williams David F, Univ.of Liverpool, U.K, (1990)
Williams J S, Royal Melbourne Institute of Technology, Australia, (1992)
Wu Ping-Tien, Asia Chemical Corp, Taiwan, (1992)
Yacaman M J, The University of Texas at Austin, U.S.A, (1992)
Yan Dongsheng, Chinese Academy of Science,China, (1990)
Yanagida Hiroshi, Univ.of Tokyo, Japan, (1991)
Yoshiyuki Kawazoe, Tohoku University,Japan, (2002)
Zhao Z S, National Lab for Superconductivity, China (1991)

ANNUAL GENERAL MEETINGS

Sl. No	AGM	Venue	Organizers
1.	1990	National Chemical Laboratory, Pune	<i>Chairman: R A Mashelkar</i>
2.	1991	National Physical Laboratory, New Delhi	<i>Chairman: S K Joshi</i> <i>Secretary : B K Das</i>
3.	1992	Indian Institute of Science, Bangalore	<i>Chairman: Ranganathan S</i> <i>Convenor: A M Umarji</i>
4.	1993	Regional Research Laboratory, Thiruvananthapuram	<i>Chairman: A D Damodaran</i>
5.	1994	Research Centre, Imarat, Hyderabad	<i>Chairman: S L N Acharyulu</i>
6.	1995	Indian Institute of Technology, Kharagpur	<i>Chairman: K L Chopra</i> <i>Convenor: H D Banerjee</i>
7.	1996	Indian Institute of Science, Bangalore	<i>Chairman : A K Singh</i>
8.	1997	Bhabha Atomic Research Centre, Mumbai	<i>Chairman : C K Gupta</i> <i>Secretary : G E Prasad</i>
9.	1998	Indian Institute of Technology, Chennai	<i>Chairman : R Natarajan</i>
10.	1999	Regional Research Laboratory, Bhopal	<i>Convenor : T C Rao</i>
11.	2000	Sardar Patel University, Vallabh Vidyanagar	<i>Chairman : V S Patel</i> <i>Convenor : L M Manocha</i>
12.	2001	Saha Institute of Nuclear Physics, Kolkata	<i>Convenor : M K Sanyal</i>
13.	2002	Defence Metallurgical Research Laboratory, Hyderabad	<i>Convenor : D Banerjee</i>
14.	2003	Bhabha Atomic Research Centre, Mumbai	<i>Chairmen : Ashok Misra / S Banerji</i>
15.	2004	Banaras Hindu University, Varanasi	<i>Chairman : P Ramachandra Rao</i> <i>Convenor : S Lele</i>
16.	2005	National Chemical Laboratory, Pune	<i>Chairman : S Sivaram</i> <i>Convenor : K Vijayamohan</i>

17.	2006	University of Lucknow, Lucknow	Chairman : R P Singh Convenor : Poonam Tandon
18.	2007	National Physical Laboratory, New Delhi	Chairman : Vikram Kumar Convenor : Anil K Gupta
19.	2008	Sree Chitra Tirunal Institute for Medical Sciences & Technology, Thiruvananthapuram	Chairman: G S Bhuvaneshwar Convenor: D S Nagesh
20.	2009	Saha Institute of Nuclear Physics, Kolkata	Chairman : N R Bandyopadhyay
21.	2010	Sardar Patel University, Vallabh Vidyanagar, Gujarat	Chairman: L M Manocha
22.	2011	AMPRI, Bhopal	Chairman: Anil K Gupta
23.	2012	Thapar University, Patiala	Convenor: K K Raina
24.	2013	IGCAR, Kalpakkam	Chairman: C S Sundar
25.	2014	Indian Institute of Science, Bangalore	Chairman: S B Krupanidhi
26.	2015	University of Rajasthan, Jaipur	Convenor : Usha Singh

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Professional Societies, Research bodies, Laboratories and Companies willing to support activities of MRSI (through a one-time contribution of Rs. 50,000/- are enrolled as Patron members by the Council of the MRSI.

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We appeal to all organizations /laboratories/companies involved in the R&D/Educational activities of Materials Science and Technology to become Patron members.

Request for Patron membership may be made to:

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Materials Research Centre
Indian Institute of Science
Bangalore 560 012
Email : office@mrsi.org.in

