

## **Brief Report of 'PolyTech – 2012' Conference**

The **PolyTech-2012: International Conference on Advances in Polymeric Materials and Nanotechnology**' was held at BharatiVidyapeeth Deemed University, Pune and National Chemical Laboratory, Pune during December 15 – 17, 2012 and was organized by Advanced Research Centre in Pharmaceutical Sciences& Applied Chemistry, Poona College of Pharmacy; National Chemical Laboratory and C-MET, Pune. The lectures were focused attention on the major advances Polymeric Materials and Nanotechnology.

Polymer science and technology has been ushered into an era of interfacing with Materials Science and Engineering, Chemistry, Physics, Pharmacy, Biology and Medicine. This interdisciplinary field gave rise to host of new materials with unprecedented properties and immense commercial opportunities. Polymer science and nanotechnology in the 21<sup>st</sup> Century is facing new challenges and opportunities. Novel architectures for polymers as well as novel concepts on nano scale materials with properties hitherto unknown are on the scene.

The conference focussed attention on the major advances that are taking place as part of the phenomenal developments in the new millennium. It provided an international platform for leading global scientists, teachers, engineers as well as representatives from academia and industry to discuss and exchange recent ideas and developments as well as to forecast future developments. The conference covered all the themes of Polymer Science and Engineering, Nanotechnology and Pharmaceutical Science. The rapid growth in different areas like electronics, medicine, agriculture and automobile industry demands future development in this field.

The conference aimed to address teachers, scientists, industry professionals and students in advances in polymer science and nanotechnology and its main objective was to promote the advancement of science and technology of Polymeric & Nano Materials and also to provide an international forum for exchange of information amongst its members with immense commercial opportunities.

We have received tremendous response from different organizations from India and abroad. The conference was successful as more than 300 delegates from all over the world have attended this event. There was one key note lecture, forty five invited lectures of distinguished scientists and professors from India and abroad, around thirty oral talks by young researchers and about eighty poster presentations by research students.

The deliberations and discussions in the conference created research culture in the participants and few delegates assured to strengthen association and collaborations with BharatiVidyapeeth University, Pune.

### **Presentations during Conference:**

**Keynote Lecture-01**

## **Plenary Lecture-06**

## **Invited Lecture-45**

## **Oral Presentation-30**

## **Poster Presentation-77**

### **Indian Delegates:**

Chief Guest of 'PolyTech -2012' was **Prof. Ajit D. Kelkar**, School of Nanosci. & NanoEngg., USA and Chairperson **Prof. S.F. Patil**, Bharati Vidyapeeth Deemed University, Pune. **Dr. S. Sivaram**, Bhatanagar Fellow, N.C.L., Pune was the Guest of Honour,

Four Indian Bhatanagar Awardees participated the conference. Key note address was presented by **Dr. Sourav Pal** (Bhatanagar Awardee), Director, National Chemical Laboratory, Pune.

**Prof. Ayyappanpillai Ajayaghosh** (Bhatanagar Awardee), CSIR-NIIST, Thiruvananthapuram and **Prof. S. Ramakrishnan** (Bhatanagar Awardee), Chemistry Department, I.I.Sc., Bangalore delivered Plenary Lectures. **Dr. Arvind Kumar Saxena**; Director, DMSRDE (DRDO), Kanpur also delivered Plenary Lecture. The conference was represented by participants from I.I.T., New Delhi (Prof. **Veena Choudhary**, I.I.T. Roorkee (**Prof. Y.S. Negi**), **Dr. Rajiv Kumar**, Tata Chemicals Ltd., Pune; **Prof. Satyendra Mishra**, NMU, Jalgaon; **Prof. S. Raja**; IISER-Kolkata; **Prof. Tushar Jana**, Univ. of Hyderabad; **Dr. Nikhil Singha**, IIT, Kharagpur; **Prof. A.K. Nandi** & **Prof. Tarun K. Mandal**, IACS, Kolkatta. We also got representation from Pantanagar Univ., VSSC, Trivandrum, Institutes in Pune (N.C.L., IISER, DIAT), M.S. University Baroda.

260 were the Registered delegates and Conference was participated by 300 people.

### **Foreign Delegates were:**

1. Prof. Yasuhiro Tabata, Ph.D., D.Med.Sci., D.Pharm. Kyoto University, JAPAN
2. Prof. Giovanni CAMINO, Politecnic of Torino, Italy
3. Prof. Anthony Giuseppi-Elie, Center for Bioelectronics, Biosensors and Biochips, Department of Chemical and Biomolecular, Advanced Materials Center, South Carolina, USA
4. Dr. Sunil P. Lonkar and Philippe Dubois, *Center of Innovation and Research in Materials and Polymers (CIRMAP), University of Mons, Mons, Belgium.*
5. Prof. S. Thayumanavan, Department of Chemistry, University of Massachusetts, Amherst, USA
6. Dr. Atul Chaudhari and Michael A. Morris, Department of Chemistry and Tyndall National Institute, University College Cork, Cork, Ireland
7. Mr. Vijay Kumar Rana, Swiss Federal Institute of Technology, ETH, Zurich, Switzerland
8. Dr. B. Kumar, Smart Plastics Group, European University of Brittany (UEB), Lorient, France

9. Prof. ToyokoImae, National Taiwan University of Science and Technology, Taipei, 10607, Taiwan
10. Dr. GarimaAgrawal, *Aachen University, Forckenbeckstraße, Aachen, Germany*
11. Prof. Zengshe Liu, Bio-Oils Research, NCAUR, ARS, USDA, Peoria, USA
12. Dr. DilipDepan, University of Louisiana at Lafayette, USA
13. Prof. Kohji Tashiro, Toyota Technological Institute, Nagoya, Japan
14. Prof. *J. Lacoste, France, CNEP, France*
15. Dr. *Pratheep Kumar Annamalli, TenasiTech Pty Ltd, Australia*
16. Ms. *Sananda Nag, European University of Brittany, Lorient, France*
17. Prof. *Ajit D. Kelkar; School of Nanoscience and Nanoengineering, Greensboro, USA*
18. Prof. *Ram Mohan, School of Nanoscience and Nanoengineering, Greensboro, USA*
19. Prof. *H.S. Ganapathy; Kumamoto University, Japan*
20. Prof. *Sameh. A. S. Alariqi; University of Taiz, Taiz, Yemen*
21. Prof. *J. M. Guenet, Strassbourg, France*
22. Mr. *S. N. Chowdhury; European University of Brittany, Lorient, France*
23. Dr. *Paul J. Jones, Mississippi, USA*
24. Dr. *Katrina M. Knauer, Mississippi, USA*
25. *Charles Easterling, Lea C. Paslay, Brooks A. Abel, Wei Guo, Hannah R. Brown, Tyler D. Brown, Charles L. McCormick, Derek L. Patton, Daniel Savin and Sarah E. Morgan; Mississippi, USA*
26. Dr. *Charles Easterling, Mississippi, USA*
27. Dr. *Hannah R. Brown, Mississippi, USA*
28. Prof. *RoberLochhead, Mississippi, USA*
29. Prof. *Jules A.W. Harings, Laboratory of Polymer Technology, Department of Chemical Engineering, Eindhoven University of Technology, P.O. Box 513, 5600 MB Eindhoven, The Netherlands*
30. Dr. *Sanjay Rastogi, Dept. of Materials, Loughborough University, Loughborough, LE11 3TU, U.K.*

Thus, we got representation for PolyTech 2012 by Japan, Taiwan, Australia, Yemen, Italy, France, Belgium, Switzerland, Ireland, Netherland, U.K. and USA.