

National Conference

Emerging Trends in Polymeric Materials

Activity Report



**National Seminar on
Emerging Trends in
Polymeric Materials(ETPM 2014)**
23rd & 24th of January 2014

Supported by
UGC & KSCSTE

Organized by



Department of Chemistry
Christian College, Chengannur

PROCEEDINGS

Report of the National Seminar on Emerging Trends in Polymeric Materials held at Christian College on 24th and 25^h of January 2015

The national seminar organised by the Department of Chemistry was inaugurated by the Manager of the College Rt. Rev. Zacharias Mar Theophilos Saffragan Metropolitan who appreciated the department for organizing a seminar that would prove useful to the scientific fraternity in this region. The seminar was organized in collaboration with the Thiruvananthapuram chapter of Society for Polymer Science India (SPSI) and Academy of Chemistry Teachers (ACT) with financial support from University Grants Commission (UGC) and Kerala State Council for Science Technology and Environment (KSCSTE). Dr. V.N. Rajasekhran Pillai, Executive Vice President of KSCSTE and Ex-Officio Principal Secretary to the Govt. of Kerala delivered the key note during the session in which he emphasised the role of basic science in general and specialities like polymers, materials which offered innumerable opportunities for the students in the field.



The plenary session after tea break was led by Dr. K.L Sebastian, Professor, Indian Institute of Science Bangalore and Bhatnagar awardee (1997). He spoke on length about Problems in Polymer dynamics a topic of great significance in biological processes. The plenary session was followed by an invited talk on Hydrogel sealed Vascular Prosthesis by Dr. Roy Joseph, Scientist G at SCTIMST. After lunch the plenary talk of Prof K.L Sebastian continued. There were five oral presentations on the same day. The second day of the seminar began with oral presentations by researchers followed by plenary and invited talks. Prof. Sabu Thomas of Mahatma Gandhi University delivered a plenary lecture on the recent advances in polymer nanocomposites while Prof. Kuruvilla Joseph of the Indian Institute of Space Technology educated the audience on high performance polymer nanocomposites for space applications. The invited lectures by KS Santhosh Kumar (Scientist, VSSC) on shape memory polymers and R S Rajeev (Scientist, VSSC) on nanotechnology in space scenario led the audience further to real time applications of polymer science from the practising scientists. The day also witnessed another 6 oral presentations.

The poster sessions were held on both days 10-15 min before and after the lunch sessions on both days. Awards were given to the best oral and poster presentations.

On the whole the seminar proved to enlighten the students and researchers on the importance and applications of polymer materials and world of opportunities. It also paved the way for the research community to hear and interact with pioneers in the field.