

Report of the Two day Lecture Workshop

A Two Day Workshop on "Frontiers in Chemistry" was organised by the Department of Chemistry, Hajee Karutha Rowther Howdia College, Uthamapalayam on 27th and 28th of March 2009. The workshop was sponsored by the three academies, IASc, Bangalore, INSA, New Delhi and NASI, Allahabad. It provided a platform for the budding researchers and younger generations of in and around Uthamapalayam to inter-act with the eminent scientists and academicians in the field of research.

More than 110 UG and PG students of nearby colleges and 90 students of the host college, 30 alumines, 11 research scholars from M.K. University, Madurai and 10 faculties of the colleges participated in the workshop and reaped its benefits.

In the inaugural function, Mr. S. M. S. Sowkath Ali, H.O.D. of Chemistry, welcomed the President, Principal, the galaxy of Scientist and the participants.

Hajee. Dr. M. Howdh Mohaideen, Principal of the college presided over the inaugural function of the workshop. In his presidential address, he congratulated the department of chemistry for its meticulous effort to organize the workshop. He thanked the academies for having sponsored this programme. He insisted upon the participants to make the workshop a great success by their fullest participation.

Then Prof. M. Palaniandavar, FASc the convener of the workshop, informed the gathering, the aim of the workshop and its programme schedule.

In his inaugural address, Prof. M. Lakshmanan, FNASc, FASc, FNA, Professor of Eminence, Bharathidasan University Trichy, touched upon the various functional areas of chemistry. He informed the youngster the opportunities for research and good employability after research.

Prof. C. Srinivasan, Honorary professor of Material science of MKU, felicitated the participants and wished the workshop a great success.

The inaugural session was followed by ten lectures. Prof. C. Srinivasan gave a talk on "Fascinating Nano forms of carbon". He explained the discovery and the applications of Nanotubes, Nanohorns etc. Then, Dr. S. Natarajan, FASc delivered a lecture on "From coordination chemistry to material chemistry". He highlighted the developments in the area of metal organic framework. Next Prof. R. Ramaraj, FASc, explained the use of ionic exchange polymers in the preparation of chemically modified electrodes and the application of silicate-sol, gel matrix in electrocatalysis and sensors in his lecture on "Nanoscience, and Nanotechnology – Nanomaterials and sensors".

Then Prof. S. Rajagopal impressed upon the audience the Photoprocesses taking place in human eyes and their dynamics to help finding the causes of diseases.

Prof. K. Pichumani spoke on "Role of cyclodextrines in supra molecular chemistry". He described the applications of cyclodextrines in different chemical reactions.

On the second day of the workshop, Prof. P. T. Manoharan, FASc, FNA, FTWA delivered a lecture on "Nanoscience and Nanotechnology". In his speech, he explained the applications of Nanoscience for the good of humanity and he also cautioned its toxic effect. Prof. P. Selvam, FRSc, gave a talk on Nanomaterial in confined environment. He described the applications of Nanomaterials with porous structure in areas of catalysis, adsorption and separation. Then Prof. R. Murugavel, FASc, spoke on "Lewis Octet and its relevance in modern main group chemistry". He explained the applicability of these ideas.

Prof. K. P. Kallippan, delivered a lecture on "The current status in Organic synthesis". He explained new methodologies, strategies, catalysts and reactions. Finally Dr. A. Ilangoan gave a talk on "From a simple organic molecule to a drug". He excellently explained the modern day drug development processes.

In the valedictory function Mr. S. Ramanathan, Department of Chemistry of the college welcomed the gathering. The function was chaired by Hajee. Dr. M. Howdh Mohideen, Principal of the college. In his presidential address the principal thanked the eminent scientists and the participants for making the workshop a great success. In his valedictory address, Prof. P. T. Manoharan, FASc, FNA, FTWA insisted the participants to continue their studies and do research. He also advised the participants to develop soft skills. Hajee M. Dharvesh Mohaideen, Secretary and Correspondent of this college felicitated the participants and prevailed upon them to do research leading to the discovery of drugs to cure diseases like cancer and Aids. He told the gathering that this was the first time that the college had such a programme in its history and thanked the academies for sponsored the programme. Then the participants gave their feedback. They thanked the academies for sponsoring the workshop. They also expressed their deep gratitude to the Department of chemistry for organizing the workshop. They admitted that they reaped the benefits of the workshop. Prof. P. T. Manoharan, FASc, FNA, FTWA distributed the certificates to the participants.

Finally Dr. S. A. Noor Mohamed, Coordinator of the workshop proposed vote of thanks. In his address, he thanked the academies, the fellows and the participants for having made the workshop a great success.