

**Brief Writeup on
National Symposium on Frontiers of Main-group and
Organometallic Chemistry (NSFMOOC)**

Event Details:

Date: 20 November, 2010

Venue: Faculty Hall

Indian Institute of Science
Sir C.V. Raman Avenue
BANGALORE, INDIA

Chemistry of the main group elements, although long neglected, is undergoing a renaissance in recent times. It is fortunate that in India, especially at the Indian Institute of Science, the chemistry of phosphorus, nitrogen, sulfur and fluorine have received special attention. Molecules based on the main group elements are increasingly becoming important in materials chemistry and in medicine. Compounds of main group elements like selenium and tellurium find important uses as drugs while many compounds of tin are finding applications ranging from plasticizers to drugs. Similarly compounds of silicon have practical applications ranging from polymers to electronics while those of aluminum have dominated the polymer industry. The chemistry of the main group elements also throws up environmental challenges such as arsenic remediation from ground water. Today, the subject area spans practically every aspect of chemistry and includes molecular self assemblies, nanometric inorganic solids, molecular clusters of different shapes and dimensions, high temperature ceramic materials, heterogeneous catalysis, microporous and mesoporous solids, layered materials, and compounds of medicinal value: both diagnostic and therapeutic. Indeed, main-group chemistry today finds itself the interface with organometallic chemistry, catalysis, materials and even biology. This synergistic confluence is having a profound influence on the growth of inorganic chemistry itself. In this context it is appropriate that the National Symposium on Frontiers of Main-group and Organometallic Chemistry (NSFMOC) is being held at the Department of Inorganic and Physical Chemistry, Indian Institute of Science. This symposium highlighted some of the exciting challenges in this field. This symposium consists of invited lectures by leaders in the area as well as poster presentations by young chemists. Young participants had an opportunity to interact with several

distinguished scientists working in the area of main-group/organometallic chemistry drawn from all over the country.

We thank the sponsors of this symposium, Department of Science and Technology, Council of Scientific and Industrial Research, Jawaharlal Nehru Centre for Advanced Scientific Research and the Indian Institute of Science, for providing financial support.

P. Thilagar
Convener NSFMO
Assistant Prof
Dept of Inorganic & Physical Chemistry
Indian Institute of Science,
Bangalore 560012

Few photos of the Symposium







