

REPORT ON
DAE-BRNS 7th INTERDISCIPLINARY SYMPOSIUM ON MATERIALS CHEMISTRY
(ISMIC- 2018)

DAE-BRNS 7th Interdisciplinary Symposium on Materials Chemistry (ISMIC-2018) was held at DAE-Convention centre, Anushaktinagar, Mumbai during December 04-08, 2018. The symposium was jointly organized by Chemistry Division, BARC and Society for Materials Chemistry (SMC) and was fully supported by Board of Research in Nuclear Sciences (BRNS). The symposium was formally inaugurated on 4th Dec 2018. Dr. K. Indira Priyadarsini, Head, Chemistry Division, BARC and Convener of ISMC-2018 introduced ISMC-2018 delegates regarding ISMC series of symposia and its scope in the area of materials research. Dr V K Jain, Director, UM-CEBs and President, SMC gave a brief account of SMC activities. Dr. P. D. Naik, Associate Director, Chemistry Group, BARC & Chairman, Organizing Committee of ISMC-2018 welcomed all the delegates of the symposium. Chief Guest of the symposium, Prof. Srikumar Banerjee, Chancellor, Homi Bhabha National Institute and Formerly Chairman, Atomic Energy Commission (AEC) & Secretary, Department of Atomic Energy, Government of India, inaugurated the symposium. In his inaugural address, he talked about evolution of materials chemistry from solid state chemistry, covering areas of conventional solids, soft mater, technologically important materials, nuclear materials as well as materials for heath care and other societal applications. The inaugural session concluded with a Keynote address by Prof. P. R. Vasudeva Rao, Vice Chancellor, Homi Bhabha National Institute and Former Director, IGCAR, Kalpakkam. He talked about the role of separation science and its importance in nuclear industry, in particular for isolation of plutonium, discovery of new transuranium elements etc. The proceeding of the 7th Interdisciplinary Symposium on Materials Chemistry (ISMIC-2018) and a special issue of SMC Bulletin were released during the inaugural session. Dr S. N. Achary, Secretary, ISMC-2019 gave vote of thanks.

There were 12 scientific sessions and three poster sessions which comprehensively covered all the eight themes of the symposium, namely Materials for nuclear fuel cycle, Materials for nuclear safety, Materials for energy conversion and storage (Hydrogen, solar and battery), Materials for health care, Organic and organometallic compounds (Synthesis and applications), Materials for device technology, Materials for sensing application, and Materials under extreme conditions. The scientific sessions comprised of 38 invited lectures from leading scientists from India (28) and abroad (10) and 12 short lectures. All the scientific sessions were highly interactive and informative and covered different aspects of materials chemistry. In three poster sessions, a total of 229 posters were presented by young researchers. The posters were evaluated by a team of expert scientists and faculties and 18 posters were selected for best poster awards. The awards were sponsored by Royal Society of Chemistry (3 Nos.) and Society for Materials chemistry (15 Nos.).

The valedictory session of ISMC-2018 was held in the evening of 8th Dec. 2018. A brief over view of the symposium was presented by Dr. V. Sudarsan, Secretary, ISMC-2018. A number of delegates, invited speakers and student participants expressed their views and opinions regarding the symposium. All the delegates appreciated the high scientific standards of the symposium. The deliberations and interactions among the delegates during the symposium are likely to culminate in a number of collaborative research programs between universities and DAE. The best poster awards were distributed in the valedictory session. Dr. K. Indira Priyadarsini, Convener, ISMC-2018 thanked all the delegates for their contributions in making ISMC-2018 a grand success.



Inaugural session of ISMC-2018