

**REPORT ON**  
**DAE-BRNS 8<sup>th</sup> INTERDISCIPLINARY SYMPOSIUM ON MATERIALS**  
**CHEMISTRY (ISMC- 2020)**

[held online during June 17-19, 2021.

DAE-BRNS 8<sup>th</sup> Interdisciplinary Symposium on Materials Chemistry (ISMC-2020) was held via online mode during June 17-19, 2021. 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 17<sup>th</sup> June 2021. Dr. A. K. Tyagi, Associate Director, Chemistry Group, BARC and Chairman of ISMC-2020 welcomed all the delegates of the symposium. Dr V K Jain, Director, UM-DAE Centre for Excellence in Basic Sciences and President, SMC gave a brief account of SMC activities. Chief Guest of the symposium, Prof. G. D. Yadav, Former Vice Chancellor and R.T. Mody Distinguished Professor of Institute of Chemical Technology, Mumbai, inaugurated the symposium. In his key note address, he talked about Catalytic Selectivity Engineering in Valorisation of Biomass, CO<sub>2</sub> and Water into Chemicals, Materials and Energy. Dr. P. A. Hassan Convener, ISMC-2020 expressed vote of thanks.

There were 10 scientific sessions and three poster-discussion sessions which comprehensively covered a broad spectrum of activities relevant to Materials Chemistry. Some of the themes discussed in the symposium includes Nuclear materials, Nanomaterials, Carbon based materials, Fuel cell materials, Materials for healthcare, Polymers and Soft condensed matter, Materials for energy conversion and storage, Thin films and surface chemistry, Magnetic materials, Catalysis, Chemical sensors, Organic and organometallic compounds, High Purity Materials, Computational materials chemistry, Hybrid materials and composites etc. There were 19 Invited lectures from institutes like, IISc, JNCASR, IIT, BARC, IGCAR, NCL, IISER, INST etc. and 9 short lectures were delivered by young researchers. The proceeding of the 8th Interdisciplinary Symposium on Materials Chemistry was made available to all registered participants via online in the symposium website. The proceedings contained the abstracts of the talks by invited speakers as well as the extended abstracts of 337 contributory papers. A total of ~700 delegates across 26 states of India were registered to participate in ISMC 2020.

All the scientific sessions were highly interactive and informative and covered different aspects of materials chemistry. A virtual poster session was arranged in which a total of ~300 posters were presented. The posters were discussed and summarized in three interactive poster-discussion session. The valedictory session of ISMC-2020 was held in the evening of 21<sup>st</sup> June 2021. A brief overview of the symposium was presented by Dr. A. K. Tyagi, Chairman, ISMC-2020. A number of delegates, invited speakers and student participants expressed their views and opinions regarding the symposium. All the delegates appreciated the high scientific standard of the symposium. The deliberations and interactions among the delegates during the symposium are likely to culminate in a number of collaborative research programs. Chairman, ISMC-2020 thanked all the delegates for their contributions in making ISMC-2020 a grand success.

