

## Editorial

With immense pleasure we present this special issue of *Bulletin of Materials Science* in the areas of Energy Conversion and Storage. This issue contains manuscripts contributed by some of the participants of conference on Materials and Technologies for Energy Conversion and Storage (MTECS-2018) after peer review. MTECS-2018 was an international conference jointly organized by Materials Research Society of India Mumbai-Chapter and Bhabha Atomic Research Centre, Mumbai, at DAE Convention Centre, Anushaktinagar, Mumbai, during September 26–29, 2018. This conference was partially supported by the Board of Research in Nuclear Sciences, Department of Atomic Energy, Government of India, to bring recent advances in the area of energy conversion and storage.

The main focus of the conference was to discuss methods for harvesting renewable energy and its storage, which is an urgent and timely need for sustainable development. India, in particular, is marching ahead with a mission to adopt renewable sources as a major energy provider for its sustainable development. This ambitious national mission is stemmed on the available resources that lie with India. For example, the country is bestowed with abundant solar energy throughout the year due to geographical location, has the long coastline, and the large reservoir of thorium. Harnessing the power from these sources require innovative materials and technologies. Therefore, MTECS-2018 invited contributions from all fields of renewable energy, which include but not limited to Solar Energy, Thermoelectric, Nuclear, Fuel Cells, Batteries, Hydrogen generation and Storage, Nano-materials, Crystals, Sensors, Batteries, Super-capacitors, etc. More than 300 participants, including those from abroad, and industry, attended the conference. Overall, 32 invited talks were delivered, 20 orals were presented by promising young researchers in addition to 230 poster presentations. On the basis of presentation of work at conference, total 43 good-quality papers were submitted to this special issue authored by the participants in the field of materials science and energy. Based on the review reports, 23 articles were selected for publication in this special issue of BOMS. This special issue is an attempt to bring information about synthesis, fundamental aspects of materials, functionalities of various energy materials and their potential applications in different fields.

We thank the National and Local Organizing Committees of MTECS-2018 for extending their support and for their valuable suggestions. We extend our sincere appreciation to all the authors who have contributed to this special issue and to the reviewers for spending their valuable time and providing critical inputs. We also thank entire publishing staff for their efforts in bringing the issue in time. Last but not the least, we are highly grateful to Chief Editor of *Bulletin of Materials Science* for his kind consent to bring this special issue for our conference.

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