

Carbon – Science and Technology, Vol. 10, Issue 4, 2018

Editorial

The 1st International Conference on Current Trends in Materials Science and Engineering (CTMSE 2018), was organized by Institute of Engineering & Management and S. N. Bose National Centre for Basic Sciences. It was held in Kolkata, India during 19-20 January 2018. This conference was one among the series of conferences held for a year-long celebration of the 125th Birth Anniversary of Professor Satyendra Nath Bose. Professor Bose laid the foundations of quantum statistics through his revolutionary work known as ‘Bose Statistics’. This resulted in prediction of the Bose – Einstein Condensate (BEC), a dense collection of bosons, which are particles with integer spin, named after Bose. BEC was demonstrated to exist by experiment in 1995. BEC has elucidated important aspects of quantum mechanics. The list of novel possibilities seems endless and includes studies of novel exotic materials and magnetism.

This conference provided a valuable opportunity to researchers, scholars and eminent scientists to exchange their ideas. The conference attracted participants in a diverse range of fields, including computational materials, emerging materials and applications, nanomaterials, graphene and other 2D materials, carbon nanostructures and devices, semiconductor devices, magnetic nanostructures, spintronics, environmental, green materials, and nanobiotechnology. On behalf of the organizing committee, we wish to extend sincere appreciation to all distinguished scientists and scholars who participated in CTMSE2018. Some of the papers presented in CTMSE2018 are included in this special issue of ‘Carbon-Science & Technology’.

We, the editors of this special issue of ‘Carbon-science & Technology’ would like to thank Dr. Prakash Somani, Founder and Research Director of Applied Science Innovations Private Limited, for bringing out this issue in a very short span of time. We thank all the authors who have contributed papers in this issue. We also express their sincere gratitude to all members of organizing committee and technical committee of CTMSE 2018.

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Guest Editors of the Special Issue: Carbon – Science and Technology, Vol. 10, Issue 4, 2018

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