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Dear Reader

This special issue of Advanced Materials Letters contains selected peer-reviewed papers presented in the '1st International Congress on Advanced Materials 2011' which was held during May 13-16, 2011 at Jinan Nanjiao Hotel, Jinan, Shandong, China. This congress was jointly organized by the International Association of Advanced Materials (IAAM), University of Jinan (UJN, Shandong, China), the Advanced Materials Letters (AML, www.amlett.com, www.vbripress.com), Journal of Inorganic and Organometallic Polymers and Materials (JIOPM)-Springer, the Chinese Ceramic Society and Key Laboratory for Liquid-Solid Structural Evolution and Processing of Materials (Shandong University), Ministry of Education, China. The congress was also supported by Polymers & Polymer Composites (PPC), Advanced Materials Research (AMR) and Journal of Materials Chemistry (JMC)-RSC Publishing.

The purpose of this congress is to provide a forum for the rapidly expanding field of Advanced Materials across the world, focusing on specific aspects of Polymers, Composite materials, Magnetic materials, Structured materials, Constructional materials, Biomaterials, Energy harvesting materials and energy transfer-materials, Optical and electronic materials, Environmental and green materials etc. at macro and nano levels.

More than 800 delegates from every corner of the world participated in this international event. A star studded galaxy of materials scientists joined this forum to debate, discuss, parlay, and network for furthering the latest innovations and advances in all disciplinary of materials science and celebrate their applications for the betterment of technology. Scientific themes covered in the conference are:

Session 1. Biomaterials

Session 2. Energy harvesting materials and energy-transfer materials

Session 3. Optical and electronic materials

Session 4. Superconductive and magnetic materials

Session 5. Structural materials

Session 6. Polymer materials

Session 7. Composite materials

Session 8. Constructional materials

Session 9. Nano materials

Session 10. Environmental and green materials

Reflecting the objective of the conference, papers on various advanced material science, materials technologies, nanomaterials, biomaterials, condensed materials and solid states sciences were presented. After the peer review processes, 13 papers were accepted for publication in this volume.

We express sincere thanks to all the members of the organizing committee, authors, and participants who have made this conference a reality and a grand success. They have worked very hard for over a year and they need to be complimented for their efforts.

With best regards



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Guest Editor

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