
Editorial

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Biographical notes: Jae-Chul Pyun is a Professor of the Department of Materials Science and Engineering at Yonsei University, Seoul, Republic of Korea. He received his BS and MS in Chemistry from Seoul National University, Seoul, Republic of Korea. He received his Dr.rer.nat degree in Chemistry from Saarland University/Fraunhofer Institute for Biomedical Engineering (FhG-IBMT), Saarbruecken, Germany in 2001. He had worked in KIST-Europe fGmbH, Saarbruecken, Germany as a team leader during 2001–2007. He joined Yonsei University as an Assistant Professor in 2007. His interest has been focused on the development of biosensors based on tailored bio- and nanomaterials for medical diagnosis.

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The Conference of Korean Ceramic Society is held twice a year, and it is a non-profit professional platform for the ceramics community in Korea to discuss the scientific progress in all R&D areas of conventional and advanced design, synthesis, processing, analysis and applications of ceramics.

This special issue presents a collection of 18 papers peer-reviewed and selected from presentations of *Spring Conference of Korean Ceramic Society 2017* which was held on 17–19 April, 2017. This issue covers major aspects of research devoted to the conventional and advanced ceramics.

We really appreciated the professional help of all the reviewers for screening and reviewing of submitted manuscripts, and many researchers and students in ceramics make significant contributions to this special issue. Finally, we would like to warmly thank Dr. Lionel Vayssieres, Editor-in-Chief of *International Journal of Nanotechnology*, for providing us this opportunity for the special issue. Based on this special issue, we wish more interest will be focused on the development of functional ceramics with ultimate properties for future devices.