Special Issue on Nanostructured Functional Materials and Their Applications III

PREFACE

This special issue is the third in a series of “Nanostructured Functional Materials and Their Applications”. The first and second ones were successfully published in Materials Transactions as vol. 56, No. 9 in 2015 and vol. 59, No. 7 in 2018, which contained 40 and 15 excellent papers, respectively, related to the cutting-edge materials science for nanostructured functional materials. This current special issue includes selected papers from the joint international symposium of 5th International Symposium on Frontiers in Materials Science (FMS) and 3rd International Symposium on Nano-Materials, Technology and Application (NANOMATA), which was held in Da Nang, Vietnam, between 10th and 12th of November, 2019. The symposium covered wide area of the materials science such as advanced optoelectronic and photonic materials, green energy materials and applications, nano-structured magnetic materials, computational materials science, spintronics and multiferroics, and nano-chemical and bio-technologies. There is no doubt in the success of this symposium, in which 197 presentations including 4 plenary, 48 invited and 34 oral talks and 111 poster presentations were given and there were more than 300 participants from many countries such as Estonia, France, Germany, India, Japan, Korea, Netherlands, Poland, Taiwan, Thailand, USA and Vietnam. Since this special issue is open for the submission from outside the above symposium, the related latest excellent works have been also included in the current issue. All the submitted manuscripts have been subject to a strict peer-review process based upon the standard of Materials Transactions.

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Introduction of the author of the invited review article

On the top of the current special issue, an invited review article on the organic optoelectronic materials is given by Prof. NGUYEN Nang Dinh, VNU-University of Engineering and Technology. He was born in 1950 in Bac-Ninh city (Vietnam), after finishing the secondary school he left his city for study in the Azerbaidzan State University (Baku city), former USSR from 1968 to 1974. Then from 1978 to 1981 he carried out his Ph.D. research in the Institute of Crystallography, Academy of Science, Moscow and received his Ph.D. degree in December, 1981. He worked for the Institute of Physics and the Institute of Materials Science of the Vietnam Academy of Science and Technology (VAST). From 2003 he moved to Vietnam National University Hanoi (VNU), where he became a Full Professor in Physics at the VNU-University of Engineering and Technology in 2007. Currently, he is a leading expert on nanostructured composites for organic light emitting diode (OLED), organic solar cells (OSC), Organic Thin Films Sensors (OTFS). His current research interests include nano-heterojunctions in polymeric materials, nanofabrication, their characterizations and applications in opto- and organic electronics.

He has been a former dean (2004–2009) of the Faculty of Engineering Physics and Nanotechnology (FEPNT), VNU-University of Engineering and Technology. His valuable contributions in the education and science include supervising more than ten Ph.D. theses, three from them became Professors in different Vietnamese universities; more than 400 scientific articles, 7 books, 3 monographs. He actively cooperated with scientists in oversea institutions, and has been a coordinator of some international projects in science and technology, for instance at Laboratoire de Physique des liquides et electrochimie, Université Pierre et Marie Curie, L’Institut des Materiaux (France); Faculté des Sciences, Université de Moncton (Canada); Japan Advanced Institute of Science and Technology (Japan); College of Nanoscience and Nanotechnology, Pusan (South Korea). Prof. NGUYEN Nang Dinh celebrates his 70th birthday anniversary this year, and we warmly congratulate him for his long and successful career in science and education.

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