
Editorial

Mohd Zobir Hussein

Institute of Advanced Technology,
Universiti Putra Malaysia,
Serdang, Selangor, 43400, Malaysia
Email: mzobir@upm.edu.my

Biographical notes: Mohd Zobir Hussein is currently the program manager for nanomaterials, Materials Synthesis and Characterization Laboratory, Institute of Advanced Technology, Universiti Putra Malaysia (UPM). He obtained his PhD in Chemistry in 1989, from the University of Reading, UK. and spent his postdoctoral/research attachments at various laboratories; University of Southampton, UK, Pennsylvania State University, USA, Victoria University of Wellington, New Zealand and University of Western Australia. He is currently focusing his research work on nanodelivery of various active agents for agriculture and medical applications and nanoenergy. His research interests are in the design, synthesis and studies to improve the delivery of various active agents to improve bioavailability by nanotechnology platforms. Nanomaterials, such as graphene and its derivatives, layered hydroxides, magnetic nanoparticles, carbon nanostructures and polymers are among nanovectors used for nanodelivery systems with controlled release properties. Together with other collaborators, his group also works on strategies to increase therapeutic effect for anti-cancer and anti-tuberculosis drugs, as well as other diseases via in vitro and in vivo studies. For nanoenergy his group is working on nanocapsules phase change materials (PCM) and shape-stabilised PCM. He has produced more than 300 research articles in international peer-reviewed journals, and currently, his h-index is 47 with 8037 citations.

The *International Symposium on Advanced Materials and Nanotechnology (iSAMN2019)*, a yearly symposium formerly known as *Workshop on Advanced Materials and Nanotechnology (WAMN)*, was held in Marriott Hotel, Putrajaya from 19th to 20th August 2019. This event was hosted by the Institute of Advanced Technology (ITMA), Universiti Putra Malaysia (UPM) for the past 15 years. This *iSAMN2019* was organised by the Institute of Advanced Technology (ITMA), in collaboration with the The Malaysian Solid State Science and Technology Society (MASS). The symposium event covers a wide range of topics from basic sciences to new emerging applications in advanced materials and nanotechnologies. A pool of research experts in nanomaterials and nanotechnology participated and presented their keynote, plenary and invited talks, together with oral and poster presentations in the *iSAMN2019* event.

Here we present eight selected papers that were presented in the *iSAMN2019* in this special issue of the International Journal of Nanotechnology (IJNT), Inderscience Publishers. The contributions presented in this special issue have been peer-reviewed in a strict selection process. As the Guest Editor, I would like to thank Dr. Idza Riati Ibrahim

and all the authors for their precious contributions and all the reviewers for their excellent work in evaluating the manuscripts. I also would like to express my special thanks to the Editor-in-Chief, Dr. Lionel Vayssieres, for his kind support in preparing this special issue and his acceptance to publish the contributions from our symposium *iSAMN2019*.