This Special Issue of 3rd International Conference on Nanoscience and Nanotechnology (ICONN 2015) organized by SRM University, India in association with Shizuoka University, Japan and GNS Science, New Zealand covers the multidisciplinary source of information in many topics of nanoscience and nanotechnology ranging from fundamental to technological perspectives. The published research articles in the themes of Physics and chemistry of Nanostructures, Nanostructured thin films and Applications, Nanoelectronics, Nanosensors and NEMS, Nanophotonics and Plasmonics, Nanotechnology for harnessing energy and storage, Nanobiotechnology, Nanomedicine and Health care, Nanotoxicology, Organic and inorganic Nanocomposites, Computational Nanotechnology, Nanotechnology: Products and Markets and Advanced Materials for Applied Technology provide an excitement in scientific and engineering research communities. I hope this special volume would certainly instil the scientific temperament and enrich the knowledge of the new researchers and also to know the advances in the field of nanoscience and nanotechnology.

Dr. T.V. Lakshmi Kumar,

Hon. Chief Editor,

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