Editorial Preface

Bakhtiyor Rasulev, North Dakota State University, Fargo, ND, USA

It is my greatest pleasure to launch the Inaugural Issue of Journal of Nanotoxicology and Nanomedicine, the new journal of nanoscience, focusing on nanotoxicology and nanomedicine from IGI Global Publisher. The name of the journal should leave the reader or prospective author in no doubt that the research contained within these pages will reflect the advances that are currently being made in toxicological-related and medicine-related research at the nanometer scales.

As its founding Editor-in-Chief, I am fully committed to making it the premier international journal for rapid communication of cutting-edge studies that span all areas of nanotoxicology and nanomedicine. Journal of Nanotoxicology and Nanomedicine will keep you at the forefront of the field with quick, brief reports of experimental and theoretical results in all aspects of nanomaterials toxicology, pharmaceutical and medical applications. I will endeavor to highlight the multidisciplinary character of this rapidly developing area by providing our readers with a wide range of articles that appeal to the chemist, physicist, biologist, biomedical and materials scientist, computational scientist, engineer, and beyond.

The journal will cover such areas as toxicological and environmental impact of nanostructured materials, pharmaceutical and medical applications, characterization, various engineering applications, theory, and simulation. Also the journal publishes high-quality studies on subjects ranging from nanomaterials discovery, design, and optimization; biological evaluation and new screening methodology, drug metabolism and delivery and molecular pharmacology.

The journal offers thorough and authoritative reviews, focus articles, perspectives on cutting-edge research, and discussions of topics that provide distinctive views about the nanoscience and nanotechnology advancements in relation to toxicological and environmental research, as well as medical applications.

The nanoscience and nanotechnology communities are no doubt the most advanced in terms of employing new technology. Therefore, in the coming months Journal of Nanotoxicology and Nanomedicine will also initiate a section dealing with "hot" patents, which is, recently issued nanomedicine related patents, and nanotechnology for environment patents, which may be at the time of issue the only public domain source of scientific details in the selected areas. The coverage would feature patents and published patent applications in high-interest areas with brief commentaries on their potential impact.

We have put together a great editorial team that includes Dr. Tomasz Puzyn, at the University of Gdansk (Poland), Dr. Tandabany Dinadayalane, at the Clark Atlanta University, and Dr. Hrvoje Kusic at the University of Zagreb (Croatia). Together, we will put all our efforts to make this journal one of the top journals in the area of nanotoxicology and nanomedicine.

I invite you to submit your late-breaking research to Journal of Nanotoxicology and Nanomedicine. On behalf of the Editorial Board, I sincerely hope that you enjoy this first issue of Journal of Nanotoxicology and Nanomedicine, and that you feel motivated to consider this journal as essential

reading for keeping up-to-date with the current boom in exciting research. In addition, I would like to thank all the contributing authors and the members of Editorial Board, as well as the Editorial staff for their help in putting together this first historic issue. We look forward to publishing your contributions to this revolutionary field of science and make an impact to future of humanity.

Bakhtiyor Rasulev
Editor-in-Chief
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Bakhtiyor Rasulev is QSAR group leader in CCAST at North Dakota State University. He received his PhD degree in Chemistry in 2002. Dr. Rasulev researches a range of topics in structure-activity relationship studies, dealing with biological activity prediction of natural and organic compounds, physico-chemical and toxicity prediction of various chemicals, including nanoparticles and polymers. He is an author of many contributions devoted to QSAR modeling and quantum-chemical investigations of nanomaterials. Dr. Rasulev has close collaboration with the Instituto di Ricerche Farmacologiche Mario Negri (Italy), University of Zagreb (Croatia), Johns Hopkins University (USA), Jackson State University (USA), etc. His accomplishments have been widely recognized. He is permanent reviewer of more than 20 peer-reviewed journals. Dr. Rasulev has received many scholarships and awards, including Scholarship of Drew University (Residential School of Medicinal Chemistry, Madison, NJ), Young Investigators Award from Toxicological Division of ACS, Award of CRDF Foundation, Scholarship to visit the Institute of Desert study of Ben-Gurion University, Israel.