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Computational Modeling and Simulation for Nanomaterials, Nanotechnology, and Nanoscience - II

Guest Editor:

Prof. Dr. Giovanni Formica
Department of Architecture, University of "Roma Tre", Rome, Italy

Deadline for manuscript submissions:
closed (31 March 2023)

Message from the Guest Editor

Dear Colleagues,

Following up on the successful outcome of the previous Special Issue on "Computational Modeling and Simulation for Nanomaterials, Nanotechnology, and Nanoscience", we aim to attract and report the rich variety of recent research findings in the field of nanomaterials, nanostructures, and processes with a focus on combining experimental and theoretical efforts enabled by computational modeling and simulations. Our aim is to further develop all the enhanced solutions for investigating the surprising properties associated with various phenomena that occur at the nanoscale through models, simulations, and experiments. In the present Special Issue, we will emphasize contributions at the macro-scale level of nanomaterials and nanosystems that would provide a significant advancement of knowledge in the large array of technological applications, ranging from biomedical to industrial engineering.

Prof. Dr. Giovanni Formica
Guest Editors

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Editor-in-Chief

Prof. Dr. Shirley Chiang
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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call "nanomaterials". These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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