Special Issue

Nanotechnologies and Nanomaterials: Selected Papers from CCMR

Message from the Guest Editors

Nanomaterials research, the science and technologies for the generation, processing, and fabrication of materials, is where disciplines merge and where they diverge into a remarkable range of applications, from electronics to health care, which touch, or will soon touch, the lives of millions. The collaborative conference on materials research (CCMR) series aims to enable technological developments in the various fields of materials and to further the goal of unifying nanomaterials research in engineering, physics, biology, materials science, as well as chemistry and neuroscience. This Special Issue, "Nanotechnologies and Nanomaterials: Selected Papers from CCMR", will contain the accepted papers presented during the CCMR series, related to 'nanotechnologies and nanomaterials'. The selected papers will include nanomaterials preparation, modification, characterization, properties, and the applications of any compositions and morphologies, including carbon nanotubes, graphene, metal, oxide materials, polymer, molecules, nanoparticles, nanowires, quantum dots, etc.

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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