Special Issue

Nanocomposites: From Design to Application

Message from the Guest Editor

Polymer nanocomposites, bio-nanocomposites, carbon nanocomposites, and nanocellulose-based composites can be designed by choosing suitable materials for a specific application, such as energy and environmental applications, packaging applications, cosmetics, and smart materials. This Special Issue, aims to present a collection of articles explaining the design of nanocomposites for different applications by using different manufacturing and fabrication techniques. This Special Issue will focus on the synthesis, processing, properties, modeling, and applications of various nanocomposites. Original research articles, reviews, letters to the editor, and short communications are welcome.

Guest Editor

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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