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Recent Advances in Green Nanomaterials: Design and Applications

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Deadline for manuscript submissions:
closed (20 July 2024)

Message from the Guest Editors

Dear Colleagues,

In the era of nanotechnology and in the framework of sustainability, the fabrication of green nanomaterials is receiving great attention from the academic and industrial community for various applications. This Special Issue will focus on the recent developments, advances, and challenges related to the design, fabrication, and characterization of green nanomaterials. We invite the submission of original research, review, and perspective articles on themes including, but not limited to:

- Preparation of inorganic, organic, and hybrid nanomaterials;
- Use of novel technologies to produce green nanomaterials;
- Experiment and theoretical studies for nanomaterials;
- Interface and surface chemistry of nanomaterials;
- Green functional nanomaterials for novel applications;
- Nanomaterials for environmental remediation applications;
- Nanomaterials for photocatalysis;
- Nanofibers for biomedical applications;
- Nanocarbons and nanoclays.

We look forward to receiving your contributions. See more information in https://www.mdpi.com/si/171417

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Dr. Gianluca Viscusi

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Special Issue

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Editor-in-Chief

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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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