



## Nanocomposites for Biomedical Engineering Applications

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Deadline for manuscript  
submissions:

**closed (30 November 2022)**

### Message from the Guest Editor

Dear Colleagues,

This special issue invites manuscripts on Nanocomposites for Biomedical Engineering Applications. As the above introduction makes clear, the scope is broad. Solid composite materials involving a reinforcement phase in the 1 to 100 nm range in a matrix, with a biomedical engineering application, are of interest. The nanocomposite approach need not be purely used for mechanical enhancement. However, the nanocomposite needs to have a biomedical application. Therefore, if implantable, it needs to be fabricated from biocompatible components. If for external use, the biomedical engineering purpose needs to be explicit. Biomimetic submissions are also welcome. See more information in <https://www.mdpi.com/si/82983>

### Keywords

- nanocomposites
- biomaterials
- biomedical engineering
- composite materials
- biomimetics
- nanoparticle
- nanostructure

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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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