

Special Issue

Biomedical Applications of Carbonaceous Nanomaterials and Beyond

Message from the Guest Editors

This Special Issue is devoted to the interaction between CNMs and tissues/cells; the effect of the size, morphology, shape, and surface of CNMs on their toxicity, biocompatibility, and immunogenicity; the design of novel biodegradable and biocompatible CNMs; instrumentation and technologies to analyze the biocompatibility of CNMs; and challenges to overcome the toxicity of CNMs. This exposure will potentially pave the way for exciting and innovative concepts in CNMs and provide game-changing solutions for several research areas. This Special Issue will highlight original articles and reviews on topics including, but not limited to, the following:

- Development of CNMs for tissue engineering and drug-delivery applications;
- Synergistic characteristics and toxicity evaluation of CNMs and their composites for biomedical applications and other uses;
- Carbon-material-reinforced intelligent/smart CNMs for medical devices, biosensors, etc.;
- CNMs incorporated into nanofibers, hydrogels, thin films, aerogels, nanoparticles, etc.;
- Ceramics, metals, and metal oxides incorporated into biomaterials for biomedical applications.

Guest Editors

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Deadline for manuscript submissions

closed (29 February 2024)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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