

Special Issue

Polymer Nanomaterials for Tissue Engineering, Wound Dressing and Drug Delivery

Message from the Guest Editors

The development of polymer nanomaterials including nanotubes, nanowires, nanorods, nanocomposites, etc. is of great importance in tissue engineering, wound dressing, and drug delivery. Polymer nanomaterials in tissue engineering can be used to improve cell attachment and adjust cell behaviors. Furthermore, wound dressings based on polymer nanomaterials can promote wound healing with nanoscale effects. One of the most widely used applications of polymer nanomaterials is for drug delivery. Polymer nanomaterials acting as drug carriers can efficiently help drugs through the biological and physical barriers and last the in vivo duration time. This Special Issue aims to gather the current state-of-the-art works of polymer nanomaterials on their design, process, and applications to give a clear view of the development of this area and new ideas as well as future directions of the polymer nanomaterials. See more information at <https://mdpi.com/si/108137>. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (20 February 2023)



Nanomaterials

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.5
Indexed in PubMed



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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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