



Nano-Biomaterials in Tissue Engineering: Fabrication and Application

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Message from the Guest Editors

Tissue engineering is a rapidly developing interdisciplinary field dedicated to the development and construction of alternative tissues, and organs. Nano-biomaterials have a wide range of uses in tissue engineering, providing versatile tools for cell targeting, drug delivery, scaffold construction and imaging. The use of nano-biomaterials can greatly promote the development of this field and contribute to the creation of effective tissue regeneration techniques.

This Special Issue aims to collect the latest findings and progress in the field of nano-biomaterials for tissue engineering. We are pleased to invite authors to contribute original research articles, review articles, or short communications regarding (but not limited to) the following aspects:

1. Nano-biomaterial fabrication techniques for tissue engineering;
2. Mechanisms involved in interactions between nano-biomaterials and cells or tissues;
3. Applications of nano-biomaterials in tissue engineering and regenerative medicine.





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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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