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Moving toward Biomimetic Tissue Engineered Scaffolds

Guest Editors:

Dr. Costantino Del Gaudio

Italian Space Agency, 00133
Rome, Italy

Dr. Silvia Baiguera

Department of Clinical Science
and Translational Medicine,
University of Rome “Tor Vergata”,
Rome, Italy

Prof. Dr. Lucy Di Silvio

Centre of Oral, Clinical &
Translational Sciences, King’s
College London, London, UK

Deadline for manuscript
submissions:

closed (25 December 2023)

Message from the Guest Editors

Dear Colleagues,

The proposed Special Issue aims to collect innovative contributions in the tissue engineering and regenerative medicine fields, providing the state-of-the-art and the foremost research findings on the design, realization, and modification strategies to fabricate advanced biomimetic scaffolds to promote tissue regeneration.

Original research as well as review articles are welcome, potential topics include but are not limited to the following:

- Biomimetic scaffolds
- Additive manufacturing
- Combined scaffold fabrication techniques
- In vivo scaffold evaluation
- Scaffold nanostructuring and modification approaches
- Nanofillers and their role
- Numerical simulations
- Transformative materials



mdpi.com/si/54996



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Editor-in-Chief

Prof. Dr. Shirley Chiang

Department of Physics, University
of California Davis, One Shields
Avenue, Davis, CA 95616-5270,
USA

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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Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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