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Biomimetic Nanomaterials

Guest Editors:

Dr. Francesco Filippini

Synthetic Biology and
Biotechnology Unit, Department
of Biology, University of Padua,
Padua, Italy

Prof. Dr. Xiangdong Kong

Institute of Smart Biomedical
Materials, School of Materials
Science and Engineering,
Zhejiang Sci-Tech University,
Hangzhou 310018, China

Prof. Dr. Xianghui Xu

Department of Pharmacy,
College of Biology, Hunan
University, Changsha 410082,
China

Deadline for manuscript
submissions:

closed (18 December 2021)

Message from the Guest Editors

Developing biomimetic signals is of great help in both (i) basic science studies aimed at elucidating, by fine dissection of motifs and functions, molecular and cellular pathways; and (ii) applied science projects providing humans with enhanced tools for theranostics and drug delivery, regenerative medicine and vaccine development, bioremediation and green chemistry. Nanomaterials are the elective starting point for biomimetics because of their nano-scale and evidence that they can be combined in various formulations to improve and better mimic natural features, providing the scientists with reliable tools for synthetic biology and nanotechnology approaches to basic and translational research. This Special Issue will attempt to cover recent advances in the design and use of biomimetic nanomaterials in multiple fields of application in *Nanomaterials*: CiteScore (2018 Scopus data): **4.21**, which equals rank 66/439 (Q1) in 'General Materials Science' and rank 29/272 (Q1) in 'General Chemical Engineering'.



mdpi.com/si/20225

Special Issue



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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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Contact Us

Nanomaterials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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