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Biomimetic Nanomaterials

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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'.



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Special Issue



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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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