

Special Issue

Development and Application of Nanomaterials in Biology

Message from the Guest Editors

This Special Issue aims to attract high-quality reports on different nanoarchitectures in correlation with their ability to affect biochemical processes via different mechanisms, which are exemplified as the following: Reports on the design and synthesis of nanomaterials exhibiting magnetothermal, photothermal, photodynamic and chemodynamic therapeutic effects on cell viability are appreciated. The binding of different nanomaterials with biomolecules exemplified, but not limited by enzymes, blood proteins, DNA and neurotransmitters will be in a focus of the Special Issue. The development of nanomaterials with cellular- or tissue-contrasting effects is also within the framework of the Special Issue. Research providing justifications of mechanisms of the cellular uptake behavior of nanomaterials in correlation with their nanoarchitecture is also welcome, as well as studies regarding the design and synthesis of nanomaterials for target binding with biorelevant macromolecules or penetration into specific cells and/or cell compartments.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2023)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/175452

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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