Special Issue

Exploitation of Multifunctional Nanomaterials for Biological Applications

Message from the Guest Editors

The development nanomaterials are leading to an authentic revolution in science and technology. Behaving differently from bulk materials, nanomaterials can be tuned in shape, composition, and dimensions, giving rise to a variety of physico-chemical features and properties. The biological and biomedical fields are taking great advantage of the use of nanomaterials, since these can act as probes, carriers, or scaffolds. Moreover, the possibility to combine more chemical features and moieties in the same nanosystem has opened new perspectives in the design of smart nanoplatforms which can be potentially used to obtain multifunctional devices.

The Special Issue "Exploitation of Multifunctional Nanomaterials for Biological Applications" will cover the synthesis, characterization, and cutting-edge biological applications of multifunctional nanomaterials, including new and green production strategies, multiplatforms for sensing and theragnostics, smart structural and functional nanosystems. Theory, design optimization, and mechanistic studies of nanomaterials–biomolecules interactions will be covered as well.

Guest Editors

Prof. Dr. Marco Rossi

Dr. Daniele Passeri

Dr. Francesca A. Scaramuzzo

Deadline for manuscript submissions

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt
Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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