

Special Issue

Advances in Nanostructured Materials between Pharmaceutics and Biomedicine

Message from the Guest Editors

Nanostructured materials are materials containing an internal or surface structure in the nanometer length scale on which their properties depend. Organic, inorganic, and hybrid nanostructures find broad application across several areas of pharmaceutics and biomedicine. In particular, medicinal chemistry, drug delivery, and tissue engineering have benefited from the progress in such technologies. Considerable advances have characterized the recent application of nanostructured materials in medicine, from diagnostic biosensors to scaffolds for tissue engineering, without forgetting the high relevance in catalysis and biocatalysis applied to biology and chemical synthesis. This Special Issue aims at the most recent advances in nanostructured material across chemistry and biology, including manufacturing and potential toxicity issues. Particular importance will be given to applications in medicinal chemistry and flow chemistry, targeted and local drug nanocarriers, nanostructured matrices for controlled release, biosensors, and functional nanomaterials and their biological relevance.

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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