



an Open Access Journal by MDPI

Nanomaterials for Advanced Biomedical Applications

Guest Editors:

Dr. Zyta M. Ziora

Institute for Molecular Bioscience
(IMB), The University of
Queensland, Saint. Lucia, QLD
4072, Australia

Dr. Ahmed M. Omar

Polymeric Materials Research
Department, Advanced
Technology and New Materials
Research Institute (ATNMRI), City
of Scientific Research and
Technological Applications
(SRTA-City), New Borg El-Arab
City, P. O. Box 21934, Alexandria,
Egypt

Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editors

This Special Issue welcomes original research articles and reviews, while the research topics may involve all types of nanomaterials formulation for biomedical applications.

Topics of interest include, but are not limited to, the following:

- Novel methods for the synthesis of nanomaterials for biomedical applications.
- Synthesis and characterization of composites-based nanomaterials for biomedical applications.
- Green synthesis of metal nanoparticles and their biomedical applications.
- Bio-active agents-based nanomaterials.
- Inorganic nanostructures, including nanoparticles, nanofibers, nanowires, nanorods, etc.
- Smart nanomaterials for biomedical applications.
- Nanomaterials for tissue engineering and wound healing.
- Nanomaterials for targeted and controlled drug delivery systems (DDSs).
- Polymer nanocomposites for advanced biomedical applications.
- Carbon-based nanomaterials for biomedical applications.



mdpi.com/si/105563

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical
Biology and Phytochemistry,
University of Münster,
Corrensstrasse 48, D-48149
Münster, Germany

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)