

Special Issue

Advanced Nanotherapeutics: Design, Synthesis and Applications—2nd Edition

Message from the Guest Editors

In recent years, nanotechnology has had a tremendous impact in the development of novel therapeutic strategies. In this context, nanomedicine is now an exponentially growing research field. Emerging at the nexus between medicine and nanotechnology, nanomedicine aims at the comprehensive monitoring, control, construction, repair, defence, and improvement of all human biological systems, using engineered nanodevices and new nanomaterials. An important feature shared among nanoparticles is their high surface-to-volume ratio, making them suitable drug nanocarriers.

Currently NPs are mostly used as nanocarriers; nevertheless, this paradigm is shifting as some NPs were found to also display intrinsic therapeutic action. Additionally, upon adequate targeting, NPs are a suitable platform for diagnostic work, allowing imaging at the nano level.

This Special Issue explores strategies in which nanotechnology plays a central role in medical care advances. Different submission types are welcome, such as original research papers, reviews.

Guest Editors

Dr. Sandra Pinto

IBB—Institute for Bioengineering and Biosciences, Instituto Superior Técnico, Universidade de Lisboa, Av. Rovisco Pais, 1049-001 Lisboa, Portugal

Prof. Dr. Vasco D. B. Bonifácio

IBB-Institute for Bioengineering and Biosciences and i4HB-Institute for Health and Bioeconomy, Instituto Superior Técnico, Av. Rovisco Pais, 1049-001 Lisboa, Portugal

Deadline for manuscript submissions

30 December 2025



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/242069

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

[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)





Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



[mdpi.com/journal/
molecules](https://mdpi.com/journal/molecules)



About the Journal

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).