

Special Issue

Advances of Polymer Nanocomposites for Antimicrobial Applications

Message from the Guest Editors

We are pleased to invite submissions in the form of original research articles, communications, prospects, and short reviews that reflect the key findings regarding the use of PNs in various applications related to their broad-spectrum antimicrobial activity, stimuli-responsive activity, antifouling-microbicidal effect, self-adaptive antimicrobial action, or multimodal sensing properties. This Special Issue is not limited to the abovementioned topics but also welcomes manuscripts on the antimicrobial features of PNs in relation to dental infections, 2D membranes, wound dressing/healing, anticancer drugs, scaffolds, medical implants, etc.

Guest Editors

Dr. Vignesh Kumaravel

Dr. A. Joseph Nathanael

Dr. Deniz Atila

Dr. Bengi Yilmaz

Deadline for manuscript submissions

closed (30 November 2023)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/133986

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 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.

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 15.1 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).