

Special Issue

Molecular Approaches to Drug Discovery and Development

Message from the Guest Editor

The editorial board of *Molecules* (IF: 4.6, ISSN 1420-3049) invites you to submit an article or review to a Special Issue entitled "Molecular Approaches to Drug Discovery and Development". This Special Issue will collect the contributions of various types of molecular approaches to drug discovery and development, i.e., the synthesis of potential bioactive molecules and drugs and drug derivatives, including targeted drugs and synthetic novel-type drug delivery systems (DDS). The following categories will form part of this Special Issue: liquid- and solid-phase synthesis methods for the development of bioactive molecules and drugs of any type (small molecules, macromolecules, peptides and their derivatives); methods used to extend drugs' self-lives (e.g., lipidation, pegylation, chemical/structural modifications, cyclization, etc.); methods used to enhance targeting ability; the development of targeted drug delivery systems; synthetic approaches to the latest oligonucleotide-mediated gene silencing concept. Molecular mechanisms of innovating synthetic approaches/problem solving also form part of this Special Issue.

Guest Editor

Dr. Spyridon Mourtas

Department of Chemistry, University of Patras, 26504 Patras, Greece

Deadline for manuscript submissions

closed (28 February 2025)



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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)





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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

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