Special Issue

Polyamine Drug Discovery

Message from the Guest Editors

Naturally occurring polyamines as well as synthetic polyamines affect various biological pathways through either activation or inhibition of these pathways. This indicates that polyamine research has a great potential in drug discovery for the treatment of different diseases. Many notable findings in this field have been concerned with the identification of polyamine analogues as chemopreventive and antiproliferative agents, antiparasitic compounds, neuroprotectants, and neurotransmitter receptor agonists/antagonists. This Special Issue “Polyamines in Drug Discovery” welcomes the submission of review and research articles related to the design, synthesis, and pharmacological characterization of new polyamine-based molecules that could underlie innovative approaches in drug development, for example, by targeting polyamine metabolism and transport or by acting as epigenetic modulators.

Guest Editors

Prof. Dr. Anna Mìnarini

Department of Pharmacy and Biotechnology, Alma Mater Studiorum Università di Bologna, Bologna, Italy

Prof. Dr. Michela Rosini

Department of Pharmacy & Biotechnology, Alma Mater Studiorum-University of Bologna, Via Belmeloro 6, 40126 Bologna, Italy

Deadline for manuscript submissions

closed (29 February 2024)

Molecules

an Open Access Journal by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

mdpi.com/si/31295

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

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

MDPI

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).