

Special Issue

Neurochemistry: Recent Advances and Future Opportunities in Antidepressants and Mood Stabilizers

Message from the Guest Editor

The evolving field of neurochemistry has significantly advanced our understanding of antidepressants and mood stabilizers, offering novel insights into their mechanisms of action, therapeutic potentials, and emerging challenges. This Special Issue explores the latest developments in the neurobiological underpinnings of mood disorders and how pharmacological innovations are shaping clinical outcomes. Topics include the role of neurotransmitter modulation, neuroplasticity, inflammatory pathways, and personalized medicine in optimizing treatment efficacy. Additionally, we highlight future directions, including the integration of biomarker research and rapid-acting therapeutics. By bridging fundamental research with clinical applications, this issue aims to pave the way for more effective and targeted interventions in mood disorders.

Guest Editor

Dr. Simona Dedoni

Laboratory of Cellular and Molecular Pharmacology, Section of Neurosciences, University of Cagliari, 09042 Monserrato, Italy

Deadline for manuscript submissions

31 October 2025



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed

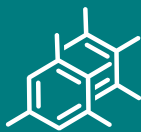


mdpi.com/si/236010

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 29th 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 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).