

Special Issue

Molecular Targets in Neuroscience and Neurotherapeutics

Message from the Guest Editors

Neurological disorders such as epilepsy, Alzheimer's disease (AD), Parkinson's disease (PD), stroke, traumatic brain injury (TBI), and amyotrophic lateral sclerosis (ALS) pose a public health challenge in the modern world.

Generally, these pathologies share a variety of complex pathological mechanisms, including dysfunctional brain bioenergetics, oxidative stress, neuroinflammation, lipid metabolism, and neuronal death. Exploration of the role of molecular targets involving these mechanisms and development of various neurotherapeutic strategies are of utmost for brain performance. This Special Issue mainly covers several aspects in neuroscience research including but not limited to oxidative stress, lipid metabolism, bioenergetics, neuronal death, neuroinflammation, gene therapy, and nutrition intervention, which aim to clarify molecular mechanisms or neurotherapeutics under brain pathologies. We sincerely invite researchers in the field to contribute original research articles or reviews to this Special Issue of *Molecules*. We look forward to receiving your manuscripts.

Guest Editors

Prof. Dr. Xiaoyuan Mao

Prof. Dr. Weilin Jin

Prof. Dr. Yi Wang

Deadline for manuscript submissions

closed (30 April 2022)



Molecules

an Open Access Journal
by MDPI

Impact Factor 5.1
CiteScore 10.3
Indexed in PubMed



mdpi.com/si/77439

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 5.1
CiteScore 10.3
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).