

Special Issue

Natural Compounds in Neurological Diseases

Message from the Guest Editors

Neurological diseases or disorders are diseases of the central and peripheral nervous system. Still, the burden of neurological diseases is widely unrecognized. In recent years, a lot of scientific proof has been collected pointing out that the immune system interacts with most neurological disorders. Neuroinflammation comprises inflammation-like processes inside the parenchyma of the central nervous system. Inflammatory responses mediated by brain cells, microglia, and astrocytes, may lead to neuronal damage contributing to the development of neurological morbidities. Therapeutic approaches aiming to modulate microglia and astrocyte activation may be beneficial to mitigate the progression of neurological diseases. Natural products offer an opportunity to discover new compounds that can be converted into drugs given their chemical structure diversity. This Special Issue will address some of the main current research on the role of natural compounds in neurological diseases, with particular interest in the ones that explore the inflammatory-mediated responses.

Guest Editors

Dr. Daniela Ribeiro

Institute of Agricultural and Environmental Research and Technology (IITAA), University of the Azores, Angra do Heroísmo, Portugal

Dr. Laura Oliveira

Laboratório de Farmacologia e Neurobiologia/UMIB, Universidade do Porto, Porto, Portugal

Deadline for manuscript submissions

closed (31 August 2024)



Molecules

an Open Access Journal
by MDPI

Impact Factor 4.6
CiteScore 8.6
Indexed in PubMed



mdpi.com/si/154527

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 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).