# **Special Issue**

# Medicinal Natural Products and Their Anti-Inflammatory Properties

# Message from the Guest Editors

Natural products derived from plants, fungi, marine organisms, and microorganisms have historically served as crucial sources of therapeutic agents. Among their many biological effects, the anti-inflammatory properties of these compounds have drawn significant scientific interest due to their potential in managing both acute and chronic inflammatory conditions with fewer side effects compared to synthetic drugs. We welcome submissions that explore traditional medicinal plants. novel extraction and formulation techniques, bioassayquided fractionation and in vitro and in vivo antiinflammatory models, as well as studies on molecular targets such as NF-NB, COX-2, cytokines, and oxidative stress pathways. Studies integrating omics technologies, computational modeling, and structureactivity relationships (SAR) are also highly encouraged. By bringing together cutting-edge contributions from pharmacognosy, medicinal chemistry, pharmacology, and ethnopharmacology, this Special Issue aims to advance our understanding of how bioactive natural products can be harnessed for the development of safe and effective anti-inflammatory therapeutics.

### **Guest Editors**

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# Deadline for manuscript submissions

31 December 2025



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# **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

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