

Special Issue

Bioactive Compounds: Potential New Anti- inflammatory Drugs

Message from the Guest Editors

The World Health Organization (WHO) has proposed that inflammatory diseases are the greatest threat to human health in the world. The development of compounds able to effectively reduce the inflammatory responses and have no adverse effects is the topic of popular concern. Bioactive compounds are molecules and found from natural products including animals, plants, microbes, marine organisms. Bioactive compounds appear to have health benefits and therapeutic effects via anti-inflammation, anti-oxidation, immunomodulation, and anti-toxic effect. A growing number of signal transductions participate in the regulation of inflammation, including MAPK family pathway, I κ B/NF κ B pathway, JAK/STAT pathway, the priming and activating NLRP3 inflammasome, cytokine storm, pyroptosis pathway, apoptotic pathway, etc. This Special Issue aims to cover original and review articles presenting outstanding data on the development of new bioactive compounds and relative molecular mechanisms for anti-inflammation.

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Deadline for manuscript submissions

closed (31 December 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/106034

*International Journal of
Molecular Sciences*
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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