

Special Issue

Novel Heterocyclic Bioactive Compounds: Design, Synthesis and Biological Evaluation

Message from the Guest Editor

Heterocyclic compounds are among the most important scaffolds in medicinal chemistry, providing the structural framework for numerous biologically active molecules.

This Special Issue, entitled “*Novel Heterocyclic Bioactive Compounds: Design, Synthesis and Biological Evaluation*”, focuses on recent progress in the design and synthesis of new heterocyclic compounds with potential pharmacological applications and the elucidation of their mechanisms of action. We welcome the submission of original research articles and reviews addressing synthetic methodologies, structure–activity relationship investigations, computational approaches, and molecular-level biological evaluations that emphasise the correlation between chemical structure and biological activity and provide insights into the potential mechanisms of action. This Special Issue aims to highlight innovative research into the rational design and synthesis of novel heterocyclic scaffolds, together with their comprehensive biological evaluation as potential therapeutic agents.

Guest Editor

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Deadline for manuscript submissions

31 January 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/249718

*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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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