

Special Issue

Synthetic Chemistry in Drug Discovery

Message from the Guest Editor

This Special Issue highlights the pivotal role of synthetic chemistry in advancing drug discovery, focusing on the design, synthesis, and optimization of novel molecular entities with therapeutic potential. At the molecular level, synthetic chemistry enables the construction of complex drug-like molecules, the exploration of structure–activity relationships (SARs), and the development of innovative synthetic methodologies to address unmet medical needs. Contributions are encouraged to cover diverse areas, including the synthesis of bioactive compounds, fragment-based drug design, late-stage functionalization, and the application of cutting-edge technologies, such as automated synthesis and AI-driven molecular design. This Special Issue aims to showcase how synthetic chemistry drives the discovery of new drug candidates, enhances drug efficacy, and overcomes challenges in bioavailability, selectivity, and toxicity. By bridging chemical innovation with biological relevance, this Special Issue seeks to inspire interdisciplinary collaborations and accelerate the development of next-generation therapeutics.

Guest Editor

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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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