

Special Issue

Synthesis of Heterocyclic Compounds via Cycloadditions: Applications in Medicinal Chemistry

Message from the Guest Editors

Medicinal chemistry remains the most valuable science and plays the most critical role in the drug-development process. It acts as the backbone of the drug-discovery framework that provides a comprehensive understanding of the underlying principles of drug action and behavior within the body, which is fundamental to today's pharmaceutical care and patient counseling. This Special Issue targets the public understanding of the chemistry behind heterocycles for pharmaceutical applications. Preference will be given to articles, which focus on target-based design strategies, organic synthesis, in vitro assays, enzymatic assays that confirm the target, in vivo experiments, SAR, and docking that improves the understanding of drug design and action. The targets are including but are not limited to: Kinases, DNA topoisomerases, Tubulin, and HDAC.

Guest Editors

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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.

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