Special Issue

Heterocyclic Chemistry with Applications (Second Edition)

Message from the Guest Editors

This Special Issue, now in its second edition, focuses on the diverse applications of heterocycles, particularly in materials science and medicine. Heterocycles typically consist of five or six-membered rings, which may be fused or standalone, and often contain nitrogen and/or oxygen atoms. Due to their versatile structures, heterocycles are essential in multiple fields, including medicinal chemistry for antibiotics and anticancer drugs, agriculture for pesticides, materials science for organic electronics, and catalysis for key reactions. They also aid in environmental applications for pollutant degradation and support green chemistry, making them indispensable in research and industry. We eagerly anticipate receiving research articles, communications, and reviews that present the latest developments in heterocyclic chemistry, with applications spanning medicinal, polymer, and synthetic chemistry, among other fields. The goal is to provide a comprehensive overview of current trends and future directions in the dynamic field of heterocyclic applications.

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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