

Special Issue

Heterocyclic Chemistry with Applications

Message from the Guest Editor

This Special Issue is dedicated to the broad range of applications of heterocycles, including in materials science and medicine. Recently famed applications include those in synthesis, with the Nobel Prize in Chemistry 2021 being jointly awarded to Benjamin List and David W.C. MacMillan for the development of asymmetric organocatalysis. Heterocycles are usually five or six-membered rings that are either fused or not fused onto other rings and that most often contain nitrogen atom(s) and/or oxygen atom(s). Many heterocycles have found applications as stable free radicals or as highly conjugated molecules in the photoredox catalysis of soft visible light-mediated reactions. I am therefore looking forward to receiving timeless research articles, communications, and reviews detailing the latest advances in heterocyclic chemistry with applications in medicinal, polymer, and synthetic chemistry, among others. This Special Issue is running in parallel with another Special Issue called "Heterocycle Reaction" in our sister journal, *Molbank*.
<https://www.mdpi.com/si/29583>

Guest Editor

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Deadline for manuscript submissions

closed (31 March 2024)



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About the Journal

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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