Special Issue

Synthetic Heterocyclic Chemistry

Message from the Guest Editor

According to "Heterocyclic Chemistry" by J. A. Joule and K. Mills (Wiley, 5th Ed), "heterocyclic chemistry comprises at least half of all organic chemistry research worldwide". A heterocycle is any organic ring-compound containing at least one non-carbon (hetero) atom within the ring. Heterocycles are mainstays of medicinal chemistry, biochemistry, natural products, specialized materials, and biomaterials. Their synthesis, functionalization, and reactivity continue to be at the forefront of organic chemistry research. Heterocycle reactions have included cycloadditions, multicomponent reactions, and ring-expansions. Some reactions are concerted, some proceed via radical intermediates, and some are mediated by metals, light or organocatalysis. This Special Issue is running in parallel with another named, “Heterocycle Reaction” in our sister journal, *Molbank*:
https://www.mdpi.com/journal/molbank/special_issues/Heterocycle_Reaction

In the *Molbank* SI, single novel compounds can be published, while in this *Molecules* SI, we are looking for communications, full papers, and reviews on the latest developments in synthesis and reactivity of heterocycles.

Guest Editor

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Deadline for manuscript submissions

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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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