

Special Issue

Biosynthesis, Structural Elucidation, and Pharmaceutical Applications of Alkaloids

Message from the Guest Editor

Alkaloids, as nitrogen-containing compounds, are mostly synthesised by plants but are also less frequently produced by animals and microorganism. Such compounds are, in general, highly potent chemicals that can act as therapeutic agents or toxic compounds. This Special Issue is dedicated to novel findings on this fascinating class of compounds, merging contributions ranging from biosynthesis, chemical synthesis, isolation, and structure elucidation to the exploration of structure–activity relationships. Furthermore, for many of the alkaloids, novel bioactivities and new applications as therapeutic agents have yet to be discovered, just as pest control compounds have recently been discovered. Considering the strong multidisciplinary nature of the *Molecules* journal and its focus on the “molecular” and chemical knowledge, this Special Issue welcomes submissions related to the biosynthesis, chemistry, and bioactivity of alkaloids.

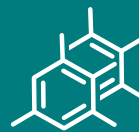
Guest Editor

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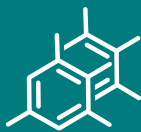


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About the Journal

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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