



## Alkaloids—Pharmacology, Toxicology, and Medicinal Uses

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### Message from the Guest Editor

Dear colleagues,

Alkaloids are secondary metabolites, which carry one or several nitrogen atoms, mostly in their ring structures. More than 30000 different alkaloid structures have been found in Nature. Most of them derive from amino acid precursors, such as phenylalanine, tyrosine, tryptophan, lysine, arginine, and ornithine.

The use of alkaloids in medicine (in the treatment of cancer, parasitic diseases, pathogenic bacteria, and neuronal disorders) and even in agriculture is an exciting field, because many alkaloids have not yet been discovered, and in most cases their exact mode of action has not been elucidated. New tools, such as Next Generation Sequencing, RNASeq, and high-resolution microscopy, offer the possibility to understand the activity of alkaloids at the DNA level.

This Special Issue offers a platform for all scientists working on alkaloids and hopefully will become an important source of new information.





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