

## Special Issue

# Alkaloids—Pharmacology, Toxicology, and Medicinal Uses

### 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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### Guest Editor

Prof. Dr. Michael Wink

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### Deadline for manuscript submissions

closed (30 April 2019)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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