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Synthesis, Characterization, and Biological Evaluation of Alkaloids

Guest Editor:

Dr. Yucheng Zhao

Department of Resources Science of Traditional Chinese Medicines, School of Traditional Chinese Pharmacy, China Pharmaceutical University, Nanjing 211198, China

Deadline for manuscript submissions: **31 December 2024**

Message from the Guest Editor

Dear Colleagues,

Alkaloids are low-molecular-weight, nitrogen-containing compounds that are found in approximately 20% of plant species. They play a crucial role in medicine due to their significant biological activities. This research topic is dedicated to publishing original research articles and review articles that explore the application of omics approaches in studying the biosynthesis of important alkaloids derived from plants. Additionally, we welcome submissions on the structural biology and catalytic mechanisms of biosynthesis enzymes involved in alkaloid production. Contributions that involve the effective identification of molecules with novel structural features. isolation and characterization of trace amounts of natural products, derivatization of natural product analogs to investigate structure-activity relationships, and industrial total synthesis of complex active natural products through synthetic biology are encouraged.









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Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

Message from the Editor-in-Chief

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Molecules Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/molecules molecules@mdpi.com X@Molecules_MDPI