



Plant and Endophytic Alkaloids

Guest Editors:

Dr. Agata Ptak

Department of Plant Breeding,
Physiology and Seed Science,
University of Agriculture in
Krakow, Łobzowska 24, 31-140
Krakow, Poland

**Prof. Dr. Dominique Laurain-
Mattar**

Université de Lorraine, INRAE,
LAE, 54000 Nancy, France

Deadline for manuscript
submissions:

closed (30 November 2023)

Message from the Guest Editors

Alkaloids, with their structural diversity and range of pharmacological activities, are one of the most important groups of natural substances of therapeutic interest. Many alkaloids have exhibited various biological activities, and some can be used as pesticides. They are mainly isolated from angiosperms, and certain plant families have a marked tendency to elaborate alkaloids (Amaryllidaceae, Liliaceae, Papaveraceae, Solanaceae, Apocynaceae, Annonaceae, Ranunculaceae, etc.). However, alkaloids have also been detected in microorganisms, especially in endophytes.

This Special Issue of *International Journal of Molecular Sciences* aims to collect contributions, in the form of both original research and review articles, on alkaloids isolated from plants and endophytes (including their isolation, structure determination, metabolomics, in vitro culture production, biosynthetic pathways and biological activities) which may be applied in medicine and agriculture.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI