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Exploring Secondary Metabolites: An Insight into Their Crucial Roles and Functions

Guest Editors:

Dr. Ho-Youn Kim

Dr. Dahye Ryu

Dr. Jwayeong Cho

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Message from the Guest Editors

In this Special Issue, we embark on a captivating exploration of the intricate relationship between plants and microbes, unveiling the wonders of their secondary metabolites as well as the crucial roles and diverse applications thereof.

Our issue delves into the historical significance of natural products from both plants and microbes, emphasizing their potential as sources of novel therapeutic agents and inspiration for medicinal chemists. We explore how plant-derived substances and microbe-derived compounds synergistically enhance shelf life, organoleptic qualities, and nutritional attributes, contributing to the development of functional products in global markets. Moreover, we investigate the intricate interplay between plants and their associated microbes within crop protection and biocide formulation.

This Special Issue aims to enrich our understanding of the synergistic dynamics between medicinal plants and microorganisms, contributing to advancements in drug development, crop protection, and biotechnological processes. Join us in this multidimensional exploration of the plant kingdom's biochemical treasures and the fascinating world of microbial interactions.



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Special Issue



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Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science,
University of Manitoba, Winnipeg,
MB R3T 2N2, Canada

Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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Plants Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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