

Special Issue

Plant Adaptogens: Natural Medicaments for the 21st Century

Message from the Guest Editors

Plant adaptogens are a fascinating group of plant secondary metabolites whose diverse pharmacological activity, including its effects on the central nervous system, has the ability to improve human health. Exploiting the diversity and functions of different groups of adaptogens could enable the discovery of novel characteristics of plant products and, based on those findings, novel views on a wide variety of plants. In addition, the study of plant adaptogens has given us important insights into the control of plant development, structure, and function. As the detection of different groups of plant products displaying adaptogen characteristics becomes more sensitive, as our tools to manipulate plant adaptogen content become more intelligent, and as our molecular understanding of adaptogen biosynthesis and transport increase our understanding of their role in nature, many targets have to be studied. This Special Issue of *Plants* will highlight the function, evolution, and diversity of plant adaptogens in plants, their role in the interactions of plants with their environment, and their potential for augmenting human health.

Guest Editors

Prof. Dr. Zdenek Wimmer

1. Institute of Experimental Botany, Czech Academy of Sciences, Isotope Laboratory, Videnska 1083, CZ-14220 Prague 4, Czech Republic

2. Department of Chemistry of Natural Compounds, The University of Chemistry and Technology Prague, Technicka 5, CZ-16628 Prague 6, Czech Republic

Prof. Dr. Petra Lovecká

Department of Biochemistry and Microbiology, University of Chemistry and Technology in Prague, Prague, Czech Republic

Deadline for manuscript submissions

closed (31 October 2021)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/46792

Plants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)





Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



[mdpi.com/journal/
plants](https://mdpi.com/journal/plants)



About the Journal

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, and 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.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

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

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, PubAg, AGRIS, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Plant Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)