

Special Issue

Composition and Biological Activities of Plant Secondary Metabolites

Message from the Guest Editor

Green plants are the most important biofactories on our planet. Starting from the conversion of large quantities of carbon dioxide into sugars, they produce different structural molecules or molecules destined for the accumulation of carbon, also well known for their industrial applications (starch, inulin, cellulose, lignin). In addition to these, they also synthesize hundreds of thousands of molecules that play a fundamental role in adapting plants to the environmental stresses typical of each individual ecological niche. Also called secondary metabolites, these compounds play a fundamental role for the survival of plants on our planet. These molecules with marked biological activities have been used for thousands of years by humans thanks to the bioactive properties they often have. For these reasons, they represent one of the most important research fields in the world of plants.

Guest Editor

Dr. Salvatore Antonino Raccuia

Department of Biology, Agriculture and Food Science, National Research Council (Cnr), 95123 Catania, Italy

Deadline for manuscript submissions

closed (30 April 2021)



Plants

an Open Access Journal
by MDPI

Impact Factor 4.1
CiteScore 7.6
Indexed in PubMed



mdpi.com/si/51678

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, 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)