



Secondary Metabolites in Plant-Microbe Interactions

Guest Editors:

Dr. Anna Andolfi

Department of Chemical
Sciences, University of Naples
Federico II, Complesso
Universitario Monte S. Angelo Via
Cintia 4, I-80126 Naples, Italy

Dr. Maria Michela Salvatore

Department of Chemical
Sciences, University of Naples
Federico II, Complesso
Universitario Monte S. Angelo Via
Cintia 4, I-80126 Naples, Italy

Deadline for manuscript
submissions:

closed (31 October 2021)

Message from the Guest Editors

Dear Colleagues,

The relationship between plants and microbes is usually mediated by secondary metabolites. Most of these interactions are advantageous to plants, for their growth and development. Some microbial species are able to break the balance of mutual benefit and become plant pathogens, producing a lot of compounds as virulence factors. Plants defend themselves in response to microbial infections by synthesizing compounds, named phytoalexins, which have long been regarded for their antibiotic, antifungal, and insecticidal activities. The knowledge of plant-microbe interactions could be utilized for the development of efficient and sustainable strategies for the screening of producing compounds and for the agricultural potentials of secondary metabolites in crop protection. Researchers are warmly invited to submit research covering, but not limited to, the isolation, the chemical/biological characterization and the development of strategies for the screening of metabolites involved in plant-microbe interactions produced in vitro and in vivo.

Dr. Anna Andolfi

Dr. Maria Michela Salvatore

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture,
School of Life and Environmental
Sciences, The University of
Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly open access journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. *Agriculture* is published in an open access format – research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the public have unlimited and free access to the content as soon as it is published.

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), PubAg, AGRIS, RePEc, and other databases.

Journal Rank: JCR - Q1 (*Agronomy*) / CiteScore - Q2 (*Plant Science*)

Contact Us

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

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

mdpi.com/journal/agriculture
agriculture@mdpi.com
[X@AgricultureMdpi](https://twitter.com/AgricultureMdpi)