

Special Issue

Plant-Microbe-Soil Interactions in Agroecosystems

Message from the Guest Editor

A better knowledge of plant-microbe-soil interaction can help us to move to more sustainable strategies and reduce the use of conventional chemicals in agriculture. Microbes also play a crucial role in plant-soil interactions, regulating factors in biogeochemical cycling of elements (carbon, nitrogen, and phosphorus) and contributing to ecosystem stability and environmental quality. On these bases, the aim of this Special Issue is to cover state-of-the-art developments and recent progress in different aspects related to the plant-microbe-soil interactions in agroecosystems. We welcome the submission of all types of manuscripts (original research and reviews) that cover, but are not limited to, the following topics:

- Plant effect on microbe-mediated ecological processes
- Plant resistance, modulated by microorganisms, to biotic and abiotic stresses
- Plant interaction with rhizosphere and phyllosphere microbiome
- Next generation sequencing technologies to study plant-microbe interactions
- Effect of microorganisms on plant yield and quality
- Molecular mechanisms underlying plant-microbe interactions

Guest Editor

Dr. Riccardo Scotti

Quadram Institute Bioscience, Norwich Research Park, Norwich,
Norfolk NR4 7UQ, UK

Deadline for manuscript submissions

closed (20 April 2021)



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/46310

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

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





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



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



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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

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 - Q1 (Plant Science)