



## Roles and Interests of Mycorrhizal Communities in Agricultural and Agroforestry Practices

Guest Editors:

**Dr. Isabelle Trinsoutrot-Gattin**

Agroecology,  
Hydrogeochemistry,  
Environments and Resources  
(AGHYLE), UniLaSalle, Mont-  
Saint-Aignan, France

**Dr. Babacar Thioye**

Institut Polytechnique  
UniLaSalle, research Unit AGHYLE  
UP2018.C101, Mont Saint Aignan,  
France

Deadline for manuscript  
submissions:

**closed (20 April 2022)**

### Message from the Guest Editors

Mycorrhizal communities are recognized as consisting of powerful microbes that may contribute to plant nutrition and health. They are of major interest in the practical context of finding solutions to production and environmental problems in agriculture. In the context of global change and decrease of nutrient supply, research works on the role of mycorrhizal communities in drought stress responses and nutrient uptake would be welcome. Although the biology of mycorrhizal fungi has been widely studied, there is a lack of knowledge on the impact of agricultural and agroforestry practices on these microbes. Indeed, the role of agricultural practices on mycorrhizal networks is still not well understood. Contributions likely to increase our knowledge on the impact of agroecological practices, in agriculture and agroforestry, on mycorrhizal networks are requested. Such practices include plant cover, diversification of crop succession, mixed crops, and conservation tillage. Identifying practices that may help to develop soil mycorrhizal community networks is of major interest.





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, scholarly and scientific open access journal publishing peer-reviewed research papers, review articles, communications and short notes that reflect the breadth and interdisciplinarity of agriculture.

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

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

## Contact Us

---

Agriculture Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

mdpi.com/journal/agriculture  
agriculture@mdpi.com  
X@AgricultureMdpi