

## Special Issue

# New Insights into Arbuscular Mycorrhizal Fungi

### Message from the Guest Editors

Arbuscular Mycorrhizal Fungi (AMF) play a crucial role in terrestrial ecosystems, promoting plant growth through symbiotic associations with roots. Recent studies have highlighted the remarkable diversity within AMF communities, revealing a wide range of species adapted to different environmental conditions. This taxonomic complexity is essential for understanding their ecological functions and evolutionary relationships.

Advances in molecular techniques, such as high-throughput sequencing and metagenomics, have uncovered cryptic species and provided a clearer picture of their phylogeny. Moreover, the application of AMF extends beyond natural ecosystems, showing their potential in sustainable agriculture and in the production of molecules relevant to industries. By enhancing nutrient uptake and improving plant resilience to stress, AMF inoculants are being explored to reduce chemical fertilizer dependency. Understanding the diversity, application, and taxonomy of AMF is, therefore, vital for developing tailored biofertilizers and promoting ecosystem restoration, paving the way for more resilient and productive agroecosystems in a changing world.

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## Journal of Fungi

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The *Journal of Fungi* (JoF, ISSN 2309-608X) is an international, peer-reviewed, scientific, open access journal that provides an advanced forum for studies related to pathogenic fungi, fungal biology, and all other aspects of fungal research. Research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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