



New Perspectives on Fungal Endophytes Research

Guest Editor:

Prof. Dr. Robin Duponnois

LSTM, IRD, CIRAD, INRAE, Institut
Agro Montpellier, Université de
Montpellier, Montpellier, France

Deadline for manuscript
submissions:

closed (30 April 2023)

Message from the Guest Editor

The Special Issue entitled "New Perspectives on Fungal Endophytes Research" aims to present recent research on any aspect of the fungal communities (symbiotic and saprophytic fungi) inhabiting the plant roots and their importance in plant development and soil biofunctioning. Among fungal biofertilizers, three types of fungal associates will be considered hereafter: (i) arbuscular mycorrhizal (AM), (ii) fungi belonging to the genera *Piriformospora*, and (iii) the group of fungi called "dark-septate endophytes (DSE). Some of its focal points include but are not limited to the following:

1. Importance of fungal endophytes to improving plant resistance or tolerance to abiotic stresses (mineral deficiencies, saline stress, etc.);
2. Fungal endophytes and biological control of plant pathogens;
3. Formulation of fungal endophyte biofertilizers;
4. Importance of fungal endophyte inoculation and/or management in agroecological practices;
5. The use of fungal endophytes in the remediation of contaminated soils (heavy metals, pesticides, etc.).

Reviews, original research, and communications will be welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. David S. Perlin

Hackensack Meridian Health
Center for Discovery and
Innovation, 111 Ideation Way,
Nutley, NJ 07110, USA

Message from the Editor-in-Chief

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.

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, CAPus / SciFinder, AGRIS, and other databases.

Journal Rank: JCR - Q2 (*Mycology*) / CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

Contact Us

Journal of Fungi Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/jof
jof@mdpi.com
[X@JoF_MDPI](https://twitter.com/JoF_MDPI)