

## Special Issue

# Fungal Applications in Bioenergy, Bioremediation, Biomedicine, Biocontrol, and Biomaterials

### Message from the Guest Editors

As one of the most diverse eukaryotic kingdoms on the earth, fungi show unique capacities in biomass degradation, efficient protein synthesis and secretion, and various secondary metabolic activities. Numerous fungi have been widely studied and explored for routine and industrial applications. With the excavation of a new strain of resources and advanced molecular engineering, fungi present unlimited potential in the future bioeconomic era. This Special Issue will cover some recent advances in fungal applications in bioenergy, bioremediation, biomedicine, biocontrol, and biomaterials. The issue's scope focuses on, but is not limited to:

- Fungal degradation of xenobiotics for bioremediation
- Fungal lignocellulosic degradation and waste conversion
- Heterologous protein expression and secretion
- Metabolic engineering for chemical compounds biosynthesis
- Microbial interactions for biocontrol
- Novel technologies to develop biomaterials with fungi
- Explore new fungal strain for advanced application

### Guest Editors

Prof. Dr. Shangxian Xie

Prof. Dr. Susie Dai

Prof. Dr. Charles M Kenerley

### Deadline for manuscript submissions

closed (31 March 2023)



## Journal of Fungi

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## About the Journal

### 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.

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### Editor-in-Chief

Prof. Dr. David S. Perlin

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