



Innovative Applications and Biomanufacturing of Fungi

Guest Editor:

Prof. Dr. Gen Zou

Institute of Edible Fungi,
Shanghai Academy of
Agricultural Sciences, Shanghai
201403, China

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Message from the Guest Editor

Fungi are among the most widespread and ecologically significant organisms on Earth, playing a crucial role as decomposers within various ecosystems. Fungi promote carbon and nitrogen cycling in the biosphere, and a variety of useful products are synthesized. Beyond their fundamental ecological functions, fungi are also remarkable for their capacity to synthesize a diverse array of useful products; some of these products are commercially produced, while others have innovative applications in green biomanufacturing.

This Special Issue will focus on the innovative applications and biomanufacturing of fungi, exploring cutting-edge biotechnology approaches for yeasts, molds, and mushrooms. This will include the innovative applications of fungi in industry, agriculture, medicine, and other fields. Studies on the genetic mechanisms of the abovementioned aspects are welcome.





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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

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Journal of Fungi Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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