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Fungal Secondary Metabolism: Regulation and Function

Guest Editors:

Prof. Dr. Ang Ren

Dr. Shenshen Zou

Dr. Yumeng Chen

Deadline for manuscript submissions:
closed (24 March 2023)

Message from the Guest Editors

Dear Colleagues,

Fungi synthesize a wide variety of low-molecular-mass compounds known as secondary metabolites, which play a wide range of roles in a series of physiological processes of fungi, such as development, stress resistance, pathogenicity and communication. In addition, many of these compounds now have medical applications, such as antibiotics, lipid-lowering agents and immunomodulators. The species and content of secondary metabolites of each fungus have great variability and adjustability in different environments. These characteristics are very attractive for understanding the growth and development of fungi, controlling pathogens and providing precursors for new drug discovery. Further understanding of fungal secondary metabolism, will provide a broader world for humans to make full use of fungal resources. Therefore, in this Special Issue, advances will be presented in gene function, signal transduction, metabolic regulation, regulatory network, post-transcriptional regulation, and functions of fungal secondary metabolites.

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Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana
Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

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Contact Us

Life Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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life@mdpi.com
𝕏@Life_MDPI