

Special Issue

Edible and Medicinal Mushrooms: Molecular Biology, Cultivation, Active Compounds, Preservation and Processing

Message from the Guest Editors

With remarkable advancements in agricultural science and biotechnology in recent years, significant breakthroughs have been achieved in multiple aspects, including novel mushroom varieties, new raw materials, innovative cultivation techniques, newly discovered active components, fermentation processes, and preservation and processing technologies. This Special Issue aims to provide a comprehensive overview of the research advancements in the field of edible and medicinal mushrooms, with a particular focus on new varieties, technologies, innovations, challenges, and potential applications. Topics of interest include new techniques for the artificial cultivation of mycorrhizal edible mushrooms such as truffles, advancements in the artificial cultivation of edible mushrooms like morels, molecular breeding of edible and medicinal mushrooms based on genetic engineering technologies, the isolation, identification, and efficient extraction of bioactive components, new technologies for preservation and processing, and technologies for the efficient utilization of spent mushroom substrate.

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