

Special Issue

Advances in Edible Mushroom Cultivation and Quality

Message from the Guest Editors

Edible mushrooms are gaining increasing global recognition for their exceptional nutritional value, rich bioactive compounds, and significant economic importance. As global demand for high-quality and diverse mushroom products rises, there is a pressing need to innovate cultivation practices and explore fungal proteins and bioactive substances.

This Special Issue aims to present the latest research, technological innovations, and applied studies in the field of mushroom science. We seek to cover the full production chain of edible mushroom production, from evaluation, utilization, and conservation of germplasm resources of rare mushrooms to fresh-keeping technology. Emphasis is also placed on genomic, transcriptomic, proteomic, and metabolomic studies that reveal the molecular mechanisms responsible for growth, development, and quality of edible mushrooms. We also welcome research focused on the extraction, characterization, and functional validation of mushroom proteins and other bioactive components, as well as the development of advanced processing technologies to improve the added value of mushroom products.

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Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

Editor-in-Chief

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