

Special Issue

Production and Development of Mushrooms

Message from the Guest Editor

Gourmet mushrooms may contribute to the development of a new agriculture by addressing the consumer demand for healthy and sustainable products. The cultivation substrates are both physical supports and nutrient sources for the mushrooms, which need to be able to degrade them with appropriate sets of enzymes. The choice of the agricultural by-products and their processing before cultivation is directed by local availabilities and depends on research works attempting to optimize their bioconversion. Cultivated mushrooms are susceptible to viral, bacterial, and fungal diseases, as well as pests. Studies on the mechanisms involved in the host-pathogen interactions are intended to sustain the development of integrated mushroom protection and biocontrol strategies. Efforts for knowledge acquisition in genetics and characterization of factors and mechanisms involved in fruiting induction and fruiting body development are suitable. Cultivation practices and broad usages development of mushrooms are being studied. Present research progress on these topics and others will be compiled in this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2020)



Agronomy

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Impact Factor 3.4
CiteScore 6.7



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