Special Issue

Genetics and Breeding of Edible Mushroom

Message from the Guest Editor

Edible mushrooms, well known for their high nutritional and medicinal value, have been widely cultivated across the globe. Studies involving germplasm resources, molecular markers, genetics, breeding systems, and cultivation techniques have been extensively performed over the last few decades and have greatly promoted the mushroom industry. However, both mushroom development and the formation of nutritional and medicinal characteristics are complicated systems involving gene regulatory networks and environmental stimulations. With breakthroughs regarding highthroughput sequencing and omics, genetic transformation, gene editing technologies, etc., more and more researchers have focused on the molecular genetic mechanisms of mushroom vield and guality and have made some progress. This Special Issue focuses on the field of both basic research and technological applications in mushroom genetics and breeding. Authors are welcome to submit articles in the areas of omics analysis, gene identification, genetic engineering, marker-assisted breeding, environmental response, formation mechanisms of nutritional and medicinal value, and other related areas.

Guest Editor

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, crossdisciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

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