

Special Issue

Enhancing Yield and Quality in Conventional and New Crops: From Molecular Approaches to Agricultural Practices

Message from the Guest Editors

An innovative approach and potent methodology for plant improvement is molecular marker-assisted breeding (MAB), which applies molecular biotechnologies (DNA markers) to practical breeding and selection. The incorporation of MAB into traditional breeding operations is an encouraging approach for crop development in the future. Often, new crop cultivars are suggested as a viable solution for climate change adaptation. Crop wild relatives (CWRs) could be sources of genetic diversity in producing new cultivars, given they have been used for crop improvement regarding disease and pest resistance as well as abiotic stress tolerance. We can use a more efficient form of selection to domesticate more wild species as we learn more about the genetic and biological basis of domestication processes. As we face climate change, this could lead to the development of novel crops and help us accomplish more environmentally sustainable agriculture, since many wild taxa are genetically diverse and locally adapted to certain ecosystems.

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Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary 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.

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