

Special Issue

Utilizing Molecular Biology to Explore Biodiversity and Germplasm Enhancement of Specialty and Rare Plants

Message from the Guest Editor

This Special Issue, “Utilizing molecular biology to explore Biodiversity and Germplasm Enhancement of Specialty and Rare Plants”, focuses on molecular biology-based studies of plant biodiversity, germplasm evaluation, and innovative utilization. The scope includes genomic and multi-omics approaches for assessing genetic diversity and adaptive traits, functional characterization of key genes and regulatory networks, and molecular-assisted strategies for germplasm enhancement and crop improvement. The Issue also covers the molecular mechanisms of biotic and abiotic stress responses as well as the molecular mechanisms regulating the accumulation of secondary metabolites. It aims to advance the integration of biodiversity conservation and germplasm utilization from a molecular perspective.

Guest Editor

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