Special Issue

Germplasm Conservation and Genetic Improvement in Tropical and Subtropical Crops

Message from the Guest Editors

Tropical and subtropical climates cover over half of the world and create diverse plant species. Many of these have been planted for food supply and industrial applications, including rice, maize, rapeseed, cassava, sugarcane, rubber tree, banana, mango, coffee, pineapple, and sisal. However, global climate change has brought severe challenges for their plantation and production. It is important to explore adaptive traits in germplasms to breed excellent varieties for extreme weather. In the past decade, research on tropical and subtropical crops has significantly accelerated due to advancements in technologies such as omics and gene editing.

This Special Issue will focus on "Germplasm Conservation and Genetic Improvement in Tropical and Subtropical Crops." We welcome novel reviews, research, opinions, and protocols related to germplasm evaluation and conservation, including phenotyping, diversity, domestication, and in vitro propagation. Additionally, this Special Issue aims to gather information concerning genetic improvement, including individual gene studies, breeding, and genetic transformation applications.

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