

Special Issue

Plant Tissue Culture and Regeneration Techniques for Crop Enhancement

Message from the Guest Editors

This Special Issue, “Plant Tissue Culture and Regeneration Techniques for Crop Enhancement,” highlights the vital role of tissue culture in plant biotechnology and crop improvement. Tissue culture supports genetic improvement, genomics, physiology studies, secondary metabolite production, conservation of rare species, large-scale propagation, productivity enhancement, and addressing global food security. It offers precision, rapid implementation, resource efficiency, and supports public health safety. These techniques also aid biodiversity conservation, development of stress-resistant varieties, and sustainable agriculture. We invite submissions of original research, reviews, and case studies showcasing advances in this field, aiming to foster knowledge exchange, collaboration, and sustainable agriculture.

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