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Plant Tissue Culture and Plant Regeneration

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Message from the Guest Editors

Dear Colleagues,

Plant tissue culture and plant regeneration constitute crucial facets of plant biotechnology, spanning across several scientific and industrial domains. In recent years, we have witnessed significant advancements in the comprehension of the underlying mechanisms controlling in vitro plant regeneration, accompanied by the rapid evolution of specialized equipment and strategies for enhancing this process. This development has garnered the attention of both plant scientists and industries. Nonetheless, there exists an ongoing demand to further develop our strategies in order to select and regenerate superior genotypes, thereby refining protocols for enhanced reproducibility. In this context, a meticulous fine-tuning process is imperative. In light of these developments, we are excited to announce a Special Issue welcoming contributions covering all aspects of plant tissue culture and biotechnological processes, including the use of algorithms for improving protocols, aspects of somatic embryogenesis and organogenesis, cryopreservation, the use of temporary immersion bioreactors and new gene-editing technology enhancing shoot proliferation.



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Special Issue



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Message from the Editor-in-Chief

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