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Plant Tissue Culture and Genetic Engineering

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Message from the Guest Editor

Dear Colleagues,

Due to climate change and market competition, plant biologists have recently become more interested in the creation of new cultivars with novel agronomical and horticultural traits, which can resist the global climate change and increase market demand, and development of plant propagation methods for conservation of endangered species. Plant tissue culture and genetic engineering techniques have been intensively applied in the areas of plant regeneration and conservation of endangered species, crop genetic improvements using in vitro breeding techniques, and metabolic genetic engineering. This Special Issue covers various aspects of plant tissue culture and genetic engineering techniques, such as regeneration via organogenesis and somatic embryogenesis, germplasm conservation, disease elimination via meristem culture and cryopreservation, production of secondary metabolites, in vitro ploidy induction, mutagenesis, genetic transformation, genome editing, etc.



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Special Issue



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Message from the Editor-in-Chief

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