

Special Issue

Plant Tissue Culture and Genetic Engineering

Message from the Guest Editor

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.

Guest Editor

Dr. Aung Htay Naing

Department of Horticulture, Kyungpook National University, Daegu, Korea

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
plants@mdpi.com

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, and conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

Editor-in-Chief

Prof. Dr. Dilantha Fernando

Department of Plant Science, University of Manitoba, Winnipeg, MB
R3T 2N2, Canada

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