Special Issue

Plant Tissue Culture and Plant Somatic Embryogenesis

Message from the Guest Editors

Scientists around the world are developing and improving methods of plant propagation and regeneration in vitro cultures. Micropropagation is used on a large scale for the production of high-quality cuttings. In addition, this technique is used in gene banks or for the production of important secondary metabolites. The most efficient plant regeneration methods include somatic embryogenesis. During the micropropagation and regeneration of plants, the genetic stability of the plant can be disturbed. To ensure that the plants obtained through this method are true-to-type, their genetic stability must be confirmed. The genetic variability created in this way, in addition to mutagenesis or genetic transformation in in vitro cultures, facilitate breeding new cultivars of crops.

Scientists are encouraged to publish original research and review articles that present methods of plant propagation and regeneration in vitro cultures, especially somatic embryogenesis. Manuscripts on the determination of the genetic stability of plants after regeneration, micropropagation, or the use of in vitro culture methods for the production of secondary metabolites or plant breeding are also welcome.

Guest Editors

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Deadline for manuscript submissions

closed (10 February 2024)

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