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Plant Tissue Culture and Plant Somatic Embryogenesis

Guest Editors:

Dr. Justyna Lema-Rumińska
Department of Environmental Biology, Faculty of Biological Science, Kazimierz Wielki University,12 Ossoliński Av., PL-85-093 Bydgoszcz, Poland

Dr. Danuta Kulpa
Department of Plant Genetics, Breeding and Biotechnology, West Pomeranian University of Technology, Szczecin, 17 Słowackiego Str., PL-71-434 Szczecin, Poland

Dr. Alina Trejgell
Department of Plant Physiology and Biotechnology, Nicolaus Copernicus University, Toruń, 1 Lwowska Str., 87-100 Torun, Poland

Deadline for manuscript submissions:
closed (10 February 2024)

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.

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, St. Alban-Anlage 66
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