

Special Issue

Somatic Embryogenesis and Organogenesis on Tree Species: 2nd Edition

Message from the Guest Editors

The combination of biotechnology and conventional methods, such as plant propagation and breeding, has become a promising strategy for improving and multiplying a diverse range of tree species. This Special Issue focuses on the recent advancements in somatic embryogenesis and organogenesis in tree species, both of which hold significant potential for various applications. These techniques are important not only in basic cell biology and tree genetic research but also for the long-term ex situ conservation of genetic resources through cryopreservation and for mass propagation. Our goal is to explore the diverse aspects of somatic embryogenesis and organogenesis as valuable tools in tree biotechnology, particularly in the conservation of genetic diversity, adaptation to climate change, and the sustainable production of tree-based products. Potential topics for this Special Issue include, but are not limited to, the following:

- Somatic embryogenesis and organogenesis;
- Tree biotechnology;
- Tree products;
- Cryopreservation techniques;
- Mass propagation;
- Genetic diversity and conservation;
- Climate change adaptation;
- Plant breeding and improvement.

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