



## Plant Biotechnology: Applications in In Vitro Plant Conservation and Micropropagation

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### Message from the Guest Editors

Dear Colleagues,

One of the most pressing issues in biology is the preservation of the genetic diversity of living organisms. Therefore, special attention is required to conserve the gene pool of many plant species. The preservation of the gene pool is not only important for vital agriculture, but also for rare and endangered plants, which often have medicinal, decorative, forage, and other properties. In addition, rare plants are important components of vegetation in a particular region. Their disappearance can lead to the destruction of the essence of the biological flora of plant communities.

The purpose of this Special Issue is to present innovative studies, tools, approaches, and techniques that have been successful in the in vitro conservation of rare plant species, including protocols of callusogenesis of rare medicinal plants, obtaining secondary metabolites from rare and endangered plant species using biotechnological methods, rare plant seeds germination and population genetics research for the conservation of rare plant species. We invite authors to submit comprehensive reviews, research and perspective papers to this Special Issue.





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## Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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