Special Issue

Metabolic Engineering or Tissue Culture Technology for Medicinal and Horticultural Plants

Message from the Guest Editor

Dear Colleagues, Plant transformation has become widely adopted as a method to both understand how plant works and to improve plant characteristics. Meanwhile, plant tissue culture technology has been employed as important tools for producing secondary metabolites or improved characteristics in higher plants for several decades. In comparison with model species such as Arabidopsis and tobacco, plant transformation in most herbal plants and some crop/horticultural plants has not been reported yet. The topic of this Special Issue, which is focused on medicinal and horticultural plants, will include (but are not limited to): plant transformation, metabolic engineering, in vitro plant regeneration, suspension culture, induction of polyploidy, production of metabolites or bioactive compounds, molecular breeding of new variants and so on. You are welcome to submit original research or review paper regarding all aspects of plant tissue culture, plant transformation, and biotechnology.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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