# Special Issue

# Chemical Regulators in Horticulture: Seed Germination, Propagation and Metabolic Enhancement of Medicinal Plants

## Message from the Guest Editors

This Special Issue will present innovative research on the use of chemical regulators to improve medicinal plant production. We invite studies focusing on breaking seed dormancy, enhancing seed germination, refining in vitro propagation and micropropagation protocols, and inducing the biosynthesis of target secondary metabolites. Contributions may also include work on the role of regulators in improving abiotic stress tolerance and their integration with controlled environment horticulture. We welcome articles that provide mechanistic insights or practical applications aimed at achieving high germination efficiency, rapid clonal multiplication, and elevated phytochemical quality in medicinal plants.

- **Keywords**
- medicinal plants
- seed dormancy
- plant growth regulators
- elicitors
- plant tissue culture
- in vitro propagation
- bioactive constituents
- plant hormones
- metabolic enhancement

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## Deadline for manuscript submissions

20 June 2026

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# About the Journal

## 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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