Special Issue

A New Decade in the Propagation of Horticultural and Medicinal Plants

Message from the Guest Editors

The propagation of horticultural plants implies preservation of elite genotypes with superior characteristics and the production of high-quality, virus-free and pathogen-free stock plants. Both requirements heavily rely on in vitro culture techniques, including micropropagation and the regeneration by organogenesis and somatic embryogenesis. In nurseries, clonal propagation of elite germplasm can be achieved by specialized organs, or by cuttings or stem separation methods. Medicinal plants, their cells or organs are also often propagated in vitro, in order to optimize and elicit the production of valuable secondary metabolites, sometimes using bioreactors. Breeding programs and the production of seeds for sales or conservation and the propagation of certain species require optimization of seed germination conditions and dormancy breaking. One of the promising methods for the propagation of certain species are artificial seeds.

The aim of this Special Issue is to represent original papers and reviews on modern methods for both the sexual and clonal in vitro and ex vitro propagation of horticultural and medicinal plant species.

Guest Editors

Dr. Milica Bogdanović
Dr. Ana Simonović
Dr. Branka Vinterhalter

Deadline for manuscript submissions

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Horticulturae
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
horticulturae@mdpi.com

mdpi.com/journal/horticulturae

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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

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies (DiSTeBA), Salento University, 73100 Lecce, Italy

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