

Special Issue

In Vitro Regeneration and Clonal Propagation in Horticultural Science: Innovations and Applications

Message from the Guest Editor

This Special Issue is dedicated to the discussion of the latest research and technological developments in the field of in vitro culture techniques as they pertain to horticultural plants. In vitro regeneration and propagation methods have become indispensable tools in plant biotechnology, facilitating the large-scale production of disease-free, genetically stable, and high-quality plant material. These techniques are of particular importance to the horticultural sector, which relies heavily on the propagation of superior cultivars to meet the growing demands for food, ornamental plants, and medicinal species. The principal aim of this Special Issue is to provide a forum for researchers and industry professionals to present novel approaches to plant tissue culture, with a particular focus on the development and optimization of in vitro protocols for horticultural species. The Special Issue aims to encompass a comprehensive array of subjects, including micropropagation, somatic embryogenesis, organogenesis, synthetic seed production, and the utilization of bioreactors for large-scale propagation.

Guest Editor

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Message from the Editor-in-Chief

Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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