Special Issue

In Vitro Systems and Virus Elimination in Horticultural Plants and Rare Endangered Species

Message from the Guest Editors

In vitro systems today offer the possibility to propagate, preserve, and acclimatize cultivars and species of different horticultural plants, which are valuable as everyday food, used for cosmetics, medicine, etc. The methods of in vitro regeneration depend on different biotic and abiotic factors. During the study of this process, it is incredibly important to investigate the physiology, biochemistry, and anatomomorphology characteristics of cultured plants, organs, and tissues. Genomics provides us with useful information on virus diagnostics and open mechanisms of plant development at different stages of propagation and adaptation. Tissue culture has developed useful biotechnological approaches to achieve horticulture and plant biodiversity conservation. The purpose of this Special Issue titled “In Vitro Systems and Virus Elimination in Horticultural Plants and Rare Endangered Species” is to present results in plant biotechnology, plant virology, and plant genomics using traditional and new methods, and perspectives of in vitro propagation and conservation that have been successful in several fields of tissue culture applied to horticultural and wild plants.

Guest Editors

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Prof. Dr. Atanas Pavlov

Deadline for manuscript submissions

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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.

Editor-in-Chief

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