Special Issue

Advances in Orchid Physiology, Micropropagation, Breeding and Genomics

Message from the Guest Editors

There are over 880 genera and more than 25,000 species of orchids in the world according to the famous taxonomist Dr. R. Dressler. Many orchids have been produced on a commercial scale, either as potted plants, cut flowers, or for medicinal or foliage plant uses. To better manage efficient production of orchid plants, genetic studies aimed at assisting breeding and physiological investigation of all stages of orchid production, such as young plant propagation, fertigation, flower induction, and postharvest handling have been actively performed by many scientists from all over the world. Recent developments in genomics, transcriptomics, and even gene editing are being added to orchid research with the purpose of improving specific traits predictably and efficiently. The aim of this Special Issue is to address the recent progress of all aspects of orchid breeding and production, genomics and gene editing, micropropagation and somaclonal variegation, and also other not mentioned topics related to orchids, so as to help increase production efficiency, ornamental values, and possibly to help conservation.

Guest Editors

Prof. Dr. Fure Chyi Chen

Department of Plant Industry, National Pingtung University of Science and Technology, Pingtung 91201, Taiwan

Dr. Jian-Zhi Huang

Department of Plant Industry, National Pingtung University of Science and Technology, Pingtung 91201, Taiwan

Deadline for manuscript submissions

closed (31 August 2022)

Horticulturae

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 5.1

mdpi.com/si/90915

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

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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

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

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