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Microbes and Plant Stress Tolerance

Guest Editors:

Prof. Dr. Qiang-Sheng Wu
College of Horticulture and Gardening, Yangtze University, Jingzhou 434025, China

Dr. Xiancan Zhu
College of Life Sciences, Anhui Normal University, Beijingdong Road, Wuhu 241000, China

Dr. Chunyan Liu
College of Horticulture and Gardening, Yangtze University, Jingzhou 434025, China

Deadline for manuscript submissions:
closed (15 April 2024)

Message from the Guest Editors

In the process of plant growth and development, horticultural plants encounter various biotic and abiotic stresses, which seriously inhibit the growth and yield of horticultural plants, even plant death. Therefore, increasing the stress resistance of horticultural plants is an urgent task. At the same time, several microbes are closely associated with plants, such as arbuscular mycorrhizal fungi and root-associated endophytic fungi. They play an important role in enhancing plant stress resistance. These microbes enhance the physiological activities and molecular response mechanisms of plants through various ways to enhance plant resistance. Therefore, the dialogue between plants and microbes under stress conditions has become important research, and deciphering such functions of microbes has become a trend.

This Special Issue “Microbes and Plant Stress Tolerance” aims to present the role of important microbes in plant stress tolerance and their applications. Any association of beneficial and harmful microbes in the role of plants (such as fruit plants, vegetable plants, ornamental plants, tea plants, medicinal plants, etc.) in stressed environments is welcome.

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Editor-in-Chief

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

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.

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Contact Us

Horticulturae Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/horticulturae
horticulturae@mdpi.com
𝕏@Horticul_MDPI