horticulturae

IMPACT FACTOR 3.1

CITESCORE 2.4

an Open Access Journal by MDPI

Citrus Rhizosphere Microbiome

Guest Editor:

Dr. Zhiyong Pan
College of Horticulture and Forestry Sciences, Huazhong Agricultural University, Wuhan 430070, China

Deadline for manuscript submissions:
closed (30 December 2021)

Message from the Guest Editor

Huge progress has been made in the citrus research area, by using physiological, biochemical, genetic, and high-throughput "omics" technologies. Recently, scientists have come to realize that, besides the intrinsic genetic factors, surrounding factors, especially the rhizosphere microbiome (a microbe community), could also profoundly affect plant growth, development, and even fruit quality formation. Thus, the microbiome is called "the second genome of an organism" regarding its important role in shaping phenotypes. In citrus, the role of arbuscular mycorrhizal fungi has been largely investigated, and attempted developments of fungi fertilizers have also been performed, though the unculturable character of mycorrhizal fungi makes the application difficult. Therefore, it is urgent and necessary to explore more beneficial microbes and study the activating mechanism, which should facilitate the research and application towards sustainable cultivation technologies in the citrus industry.

The SI aims to recent advances in the identification and characterization of the role of citrus rhizosphere microbes in citrus growth, development, fruit quality formation.

horticulturae

IMPACT FACTOR 3.1

CITESCORE 2.4

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Luigi De Bellis
Department of Biological and Environmental Sciences and Technologies, Università del Salento, Centro Ecotekne, Via Provinciale Lecce Monteroni, 73100 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, FSTA, and other databases.
Journal Rank: JCR - Q1 (*Horticulture*) / CiteScore - Q2 (*Horticulture*)

Contact Us

Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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