

Special Issue

Biostimulants and Plant Elicitors to Mitigate the Effect of Biotic and Abiotic Stress

Message from the Guest Editors

Plant biostimulants are substance(s) and/or microorganisms applied to the plants or the rhizosphere with the aim of enhancing nutrition efficiency or product quality of crops, independently from the plant nutrient content. In the last decade, the use of biostimulants has been on the rise due to the increasing awareness of the need to promote sustainable agriculture worldwide. In addition to their role in enhancing plant performance, it is well established that biostimulants can also help plants to cope with abiotic stress. In this line, it is known that plant elicitors can increase plant tolerance to biotic stresses. This Special Issue aims to shed light on the morphological, physiological, and biochemical processes triggered by the application of biostimulants and plant elicitors, ultimately leading to an increase in biotic and abiotic stress tolerance. Particular attention will be paid to the mechanisms to tackle increasingly frequent environmental stresses derived from climate change. Studies focused on these issues are welcome.

Guest Editors

Dr. Begoña Miras-Moreno

Department of Vegetal Biology, University of Murcia, 30100 Murcia, Spain

Dr. Esther Novo-Uzal

Centro de Biotecnología y Genómica de Plantas (UPM – INIA/CSIC), 28223 Madrid, Spain

Deadline for manuscript submissions

closed (20 July 2022)



Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



mdpi.com/si/84416

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

[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)





Horticulturae

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.1



[mdpi.com/journal/
horticulturae](https://mdpi.com/journal/horticulturae)



About the Journal

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

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 - Q1 (Horticulture)