

Special Issue

Biostimulants as Physiological Modulators of Crop Performance and Product Quality

Message from the Guest Editors

This Special Issue invites original research, technology report, methods, opinion, perspectives, and invited reviews and mini reviews dissecting the biostimulation action of these natural compounds and substances and beneficial microorganisms on crops grown under optimal and suboptimal growing conditions (e.g., salinity, drought, nutrient deficiency and toxicity, heavy metal contaminations, waterlogging, and adverse soil pH conditions). Also of interest are potential contributions dealing with the effect as well as the molecular and physiological mechanisms of plant biostimulants on nutrient efficiency, product quality, post-harvest, and the modulation of the microbial population quantitatively and qualitatively. In addition, identification and understanding of the optimal method, time, rate of application, and phenological stage for improving plant performance and resilience to stress as well as the best plant species/cultivar × environment × management practices combinations will be considered within the general scope of the Special Issue.

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closed (31 May 2022)



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