Special Issue

Unlocking the Potential of Beneficial Elements in Abiotic Stress Tolerance and Agronomic Biofortification

Message from the Guest Editors

Presently, the agricultural sciences are deploying a range of management techniques in efforts to improve plant tolerance to abiotic stresses and the nutritional quality of crops, especially in the face of ongoing climate change, resulting in a growing need to make agricultural systems more efficient and sustainable. Alongside the proper management of mineral nutrition and soil fertility, the use of elements not considered essential plant nutrients according to classical criteria (known as beneficial elements) is one strategy capable of increasing plant resilience to different types of abiotic stresses. Recent advances pertaining to the effects of these beneficial elements on plant physiology, soil fertility, ecophysiology, and molecular biology have contributed to a better understanding of the mechanisms involved in plant responses to adverse conditions, from the cellular level to the production system. Given the context outlined above, this Special Issue aims to gather together research that demonstrates the role played by beneficial elements, plant nutrition, and soil management in abiotic stress tolerance and the improved nutritional quality of crops.

Guest Editors

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Deadline for manuscript submissions

30 July 2027

Agronomy

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 7.6

mdpi.com/si/276706

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