

Special Issue

Genetic, Phenomic and Physiological Response and Resistance in Plants against Abiotic Stresses

Message from the Guest Editor

Abiotic stresses are among the most challenging threats facing agricultural systems. The increase in temperatures, the decrease in water availability, soil and water salinity, the toxicity of heavy metals, and the need for more sustainable low-input farming systems are examples of these new rules in agriculture. In this regard, the agri-food sector is facing such issues stemming from a range of strategies and disciplines, in particular plant breeding. Thus, works on the adaptation of crops to these stresses, the search for new sources of variation, genetics, inheritance, water and nutrient use efficiency, resilience against temperatures, salinity or toxic ions, the exploitation of genotype-by-environment interaction, etc., are of paramount importance for ensuring food security. This Special Issue invites authors to submit various papers aimed at the characterization, multi-actor evaluation, genetics, breeding, tools, and screening and selection of crop species and wild species in response to any kind of abiotic stress that affects growth, yield, quality, and root–soil interaction to allow more resilient and sustainable agriculture.

Guest Editor

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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
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