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Physiological Responses of Crops to Abiotic Stress

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Message from the Guest Editors

Dear Colleagues,

The physiological challenges posed by seasonal variations in extreme temperatures, excessive or inadequate water and nutrient limitations, and low soil pH are the major stresses affecting crop establishment, yield and grain quality for most major crops. These stresses are often interrelated or in conjunction with each other. Although considerable physiological work has shown that the traits conferring tolerance to these stressors are not lasting, they are frequently treated as such.

This Special Issue will focus on the physiological and genetic mechanisms of plant responses to extreme temperatures, drought, salinity, water use efficiency, low soil pH, heavy metal stress and nutrient limitations of crop varieties. This Special Issue will highlight the role of high-throughput phenotyping and genomics in the adaption of crops to abiotic stress and its possible applications in breeding climate-resilient crop varieties. We welcome the submission of all types of articles, such as original research and review papers.

Dr. Ludovic Joseph Anatole Capo-Chichi Dr. Jan Slaski Guest Editors













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Editor-in-Chief

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Message from the Editor-in-Chief

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