Special Issue

Climate Change and Metal Stress on Plants: Potential Impacts and Survival Strategies

Message from the Guest Editors

Plants are sensitive and vulnerable to all forms of climate change and environmental pollution. In most cases, pollutants and climate change often result in plant abiotic stress physiology, alter plant metabolism, and make plants vulnerable to pathogen infestation, which causes a reduction in plant growth and consequently globally threatens food security and the ecosystem. Global warming, climate change, and industrial pollution lead to an increase in the frequency, complexity, and intensity of stress situations, thereby impacting plant growth. The response of plants to an individual or a multifactorial stress combination is unique and involves many transcripts and genes. Understanding possible survival strategies under such challenging conditions will be valuable to researchers in botany, agricultural science, and environmental science.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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