Special Issue

Plant Ecophysiology Under Anthropogenic and Natural Stresses

Message from the Guest Editor

Stress in plants refers to any environmental condition or factor that adversely affects their growth, development, or productivity. Just like animals, plants can experience stress from various sources, which can be broadly categorized into abiotic (extreme temperatures, water imbalance, light stress, nutrient stress, salinity stress, pollution stress) and biotic stresses (from pathogens and herbivores). In addition, stresses can occur by human activity-induced environmental changes and natural environmental changes. Anthropogenic stress (pollution, habitat destruction and fragmentation, climate change, introduction of invasive species, agricultural practices, overexploitation, and harvesting) refers to environmental stresses or pressures on ecosystems and organisms that arise directly or indirectly from human activities. These stresses can have significant impacts on both natural and managed environments, including plants. On the other hand, natural stresses on plants refer to environmental factors and conditions that occur without direct human intervention or influence.

Guest Editor

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