

Special Issue

Effect of Global Warming on the Physiology of Trees

Message from the Guest Editor

Climate change is expected to induce an increased frequency of drought episodes, which adversely affects tree growth, crop yield, and fruit quality. Environmental disturbances can strongly impact several functions of trees, forcing them to implement strategies of resistance, tolerance, or avoidance of stress in order to survive to these new climatic conditions. This Special Issue will provide a current overview of the most significant research carried out in the field of stress physiology in trees. We invite researchers to submit papers (review articles and research results) that highlight the strategies implemented by trees to alleviate these negative impacts; morphological, anatomical, cellular, molecular, biochemical, and physiological mechanisms implied in the management of global warming can be highlighted. All compartments of the tree can be taken into account as well as all environmental factors, including the impact of fires. Primary and applied research would be particularly appreciated. Reviews pointing to the summary of past works around this theme and bringing to light new scientific evidence are also welcome. Other studies around these themes may be considered.

Guest Editor

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

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, and 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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