

Special Issue

Sustainability of Agricultural Plants under Fluctuations of Environmental Conditions: Physiological Bases, Monitoring, Simulation, and Prediction

Message from the Guest Editor

This Special Issue of *Sustainability* will be focused on several important points related to this problem. The first point is the investigations of mechanisms of plant adaptations to environmental fluctuations in different time scales. The second point is the development of approaches to monitor environmental fluctuations on agricultural plants. Early identification of what causes these fluctuations forms the basis for the timely use of methods of plant protection. The third point is development of mathematical models simulating responses of agricultural plants to fluctuations in environmental conditions. Analysis of the models can be used for various tasks, including prediction of crop losses under fluctuations of specific environmental factors, revelation of potentially effective ways for increase of plant tolerance, and interpretation of data of plant monitoring. Finally, it should be noted that the problem of sustainability of agricultural plants under environmental fluctuations is complex and multidisciplinary.

Guest Editor

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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