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Effect of Climate Change on Plant Phenology

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Message from the Guest Editors

Climate change affects many processes that determine not only plant productivity but also plant resistance, competition, survival. A detailed climate analysis in relation to phenological trends in both individual plant species and their communities is the “hot” subject in plant ecology and physiology. In this Special Issue, we wish to present experimental and theoretical research in plant phenology based on different approaches, from long-term seasonal observations to the use of remote sensing data. We aim to collect studies from the regions which are most sensitive to climate change, as well as research summarizing the most recent results from different groups and presenting integrated data on the dynamics of phenological changes in plants considering large geographical or bioclimatic transects. Considering that researchers working with agricultural crops and woody plants may provide useful data, we welcome their reports comparing changes in the climatic responses of annual and perennial plants.

Deadline for manuscript submissions:

closed (20 December 2020)



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Special Issue



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Message from the Editor-in-Chief

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