



## Modeling Impacts of Changing Environmental Conditions on Plant Growth

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### Message from the Collection Editor

Mathematical models allow addressing complex real world phenomena by simplification. Model building is a constant back and forth of assuming, assessing and adjusting modeling concepts and input parameters. Bringing together various modeling approaches within the field of plant growth modeling can stimulate and expedite this process.

Predicting effects of changing environmental conditions on plant growth is one of these complex phenomena that models can help to get a grip on. Whether these changes are short- or long-term or whether they occur in a controlled environment or in the field, plants do react.

Modeling and predicting these reactions on different stimuli can increase the biological understanding and open up new strategies on how to react to future challenges in plant growth. Ideally, while demonstrating the use of different modeling techniques, cross-relations between environmental factors might be revealed and mechanisms of plant responses can be adapted.

The Special Issue will explore various modeling approaches to study environmental changes affecting plant growth, including mechanistic and empirical models; from classical methods to machine learning methods.





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## Message from the Editor-in-Chief

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