

## Special Issue

# Modeling of Plants Phenotyping and Biomass

### Message from the Guest Editor

Several perennial and annual crops have been considered as leading candidates for bioenergy production. Increased productivity and sustainability of plant feedstocks in bioenergy crops are key factors for biofuel production. Factors affecting plant quality and performance can be broadly attributed to plant genetics and the growing environment. However, phenotyping resources have created a bottleneck in biofuel crop improvement and breeding. Research on this topic is important to fight against climate/ecosystem changes, leading to climate-smart or eco-efficient agriculture. We welcome the research but are not limited to:

Perspectives of biofuel plant phenomics;

Big data challenges for genomics and phenotyping data;

High-throughput phenotyping: tools and techniques for assessment;

Genomic selection in biofuel crops: Benefits of high throughput phenotyping;

Precision agriculture association with high throughput biofuel plant phenotyping;

Biomass quantity/quality assessment;

Biotic/abiotic stress assessment;

Sustainability trait assessment.

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### Deadline for manuscript submissions

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## Plants

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### 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, 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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### Editor-in-Chief

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