

## Special Issue

# Data-Driven and AI Approaches to Plant Systems Biology and Adaptation

### Message from the Guest Editors

This Special Issue focuses on the cutting-edge field of "Data-Driven and AI Approaches to Plant Systems Biology and Adaptation". With the rapid advancement of multi-omics technologies and artificial intelligence, data-driven methods have become core tools for deciphering complex plant regulatory networks and exploring environmental adaptation mechanisms. We aim to collect interdisciplinary research findings covering areas such as AI-aided multi-omics data integration, plant phenotype prediction, stress resistance mechanism analysis, and smart breeding. This Special Issue will provide a communication platform to promote technological innovation and translational research in plant adaptation studies, facilitating the cultivation of climate-resilient crop varieties to address global agricultural challenges.

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### Guest Editors

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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, 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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### Editor-in-Chief

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