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Genetic and Physiological Research for Flowering Time in Plants

Guest Editors:

Dr. Zhen-Hua Zhang
China National Rice Research Institute, Hangzhou, China

Dr. Yu-Jun Zhu
China National Rice Research Institute, Hangzhou, China

Dr. Baohua Feng
China National Rice Research Institute, Hangzhou, China

Deadline for manuscript submissions:
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Message from the Guest Editors

Dear Colleagues,

Floral transition timing is a key factor in the adaptation of plants to various ecogeographic locations and agricultural practices. Various environmental factors, such as day length and temperature, contribute to flowering time regulation via interaction with key floral genetic components. In recent years, the intensive development and application of biotechnologies, such as genome assembly, multi-omics analysis, transformation and genome editing, have greatly facilitated the translation of the regulatory network of plant flowering time. A number of genetic factors, including protein-coding genes, non-coding RNA and other epigenetic modifications, have been identified. Novel environmental factors affecting flowering time, such as nutrients and light quality, have also been detected. This Special Issue aims to provide a forum presenting the most recent advances in genetic and physiological research on flowering time in plants. We seek original research articles and reviews covering all related topics, including germplasm resource mining and creation, omics analysis, gene identification, and function analysis, etc., in the context of flowering time.

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Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Message from the Editor-in-Chief

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Agronomy Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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