Special Issue

Flowering Time Control in Crop Domestication and Improvement

Message from the Guest Editors

The regulation of flowering is essential for the optimal production of seed and fruit. Flowering time and floral yield are the main targets in the breeding and improvement of existing crops and the potential domestication of new crops, aiming to increase yield and deliver sustainable agriculture and increased food security. In this Special Issue, we welcome original research, reviews and opinions covering recent mechanistic advances and applications in the molecular regulation of flowering time and vegetative and floral yield. The topics focus on the following:

- The molecular mechanisms underlying the integration of environmental signals and developmental decisions that lead to the transition to flowering and regulate flowering time, vegetative and floral yield in model and crop species.
- Targeted domestication and molecular improvement of crops in the context of climate change and food security.

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Deadline for manuscript submissions

closed (15 February 2019)

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/14883

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