Special Issue

Epigenetics Regulation in Plant Development and Response to Environmental Stresses

Message from the Guest Editors

Epigenetic regulation, including DNA methylation, histone modifications, chromatin remodeling, and micro/small-RNA accumulation, have a decisive function in regulating various morphological transitions during plant growth and development. In addition, the epigenomic changes are dynamic in response and adaptation to environmental stimulus, which in turn affect the phenotypic plasticity of organisms. Understanding how epigenetic regulation shapes and influences plant development is not only important for dissecting the molecular mechanisms of plant responses to the environment, but also for the potential application in the genetic manipulation of plants, in particular, crops, for future food security. We invite submissions of manuscripts (for example, original research and reviews) that provide novel insights into different aspects of plant epigenetics, assessing its function in plant development and plant responses to abiotic and biotic stresses.

Guest Editors

Dr. Jun Xiao

Dr. Xiang Yu

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Deadline for manuscript submissions

closed (20 June 2023)

Plants

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CiteScore 6.5
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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.

Editor-in-Chief

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