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Advances in Plant Epigenetics and Epigenomics

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Deadline for manuscript submissions:
closed (31 March 2021)

Message from the Guest Editors

Dear Colleagues,

Advancements in high-throughput sequencing technologies and powerful computational tools have provided the unprecedented opportunity to explore the complex epigenetic and chromatin dynamics at genome-wide levels. This Special Issue provides a forum for state-of-the-art studies on plant epigenetics and epigenomics. We welcome submissions of original research, cutting-edge methods, or expert review manuscripts reporting, but not limited to, on the following topics:

- Epigenomics, chromatin compartments, and the functional structure of the plant genome
- Epigenomics and the control of fate, form, and function in plant cells
- Chromatin and epigenome dynamics during plant development and in response to environmental factors
- Bridging plant epigenomics and the mechanisms of epigenetic inheritance and plasticity
- Adaptation and evolution of genetic and epigenetic regulatory networks
- Framework for the integration of genomics, epigenomics, and transcriptomics in crop breeding
- Future of plant research in the age of epigenomics, single-cell epigenomics, and epigenetic editing

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Special Issue

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Editor-in-Chief

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Message from the Editor-in-Chief

In the past years the growth of the epigenetic field has been outstanding, from here the need of a journal where to centralize all new information on the subject. The term epigenetics is now broadly used to indicate changes in gene functions that do not depend on changes in the sequence of DNA. *Epigenomes* covers all areas of DNA modification from single cell level to multicellular organism as well as the epigenetics on human pathologies and behavior.

Epigenomes (ISSN 2075-4655) is a fully peer-reviewed publication outlet with a rapid and economical route to open access publication. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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