



Advances and Perspectives in Epigenetics in Perennial Plant

Guest Editor:

Dr. Xinyuan Hao

Tea Research Institute, Chinese
Academy of Agricultural
Sciences, Hangzhou 310008,
China

Deadline for manuscript
submissions:

closed (10 April 2022)

Message from the Guest Editor

Epigenetic regulation refers to a kind of heritable change in gene function without DNA sequence modification. DNA methylation, histone posttranslational modifications, chromatin remodeling and noncoding RNAs are conserved epigenetic regulation approaches that participate in almost all of the important biological processes, ranging from basal development to environmental response.

With the rapid development of epigenetic-related biotechnology, the study of epigenetic mechanism has gradually deepened, from concept to accurate detection, from model plants to common crops. In the field of horticulture, there is a wide variety of perennials such as vegetables, fruit trees, flowers and tea trees, involving complex regulatory mechanisms and reflecting the important role of epigenetics. It is very necessary to summarize the latest research progress and present it to relevant researchers, so as to accelerate the knowledge dissemination in this field and promote the application of epigenetics research results in production. You are very welcome to share your valuable research results here.





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Editor-in-Chief

Prof. Dr. Luigi De Bellis

Department of Biological and
Environmental Sciences and
Technologies, Università del
Salento, Centro Ecotekne, Via
Provinciale Lecce Monteroni,
73100 Lecce, Italy

Message from the Editor-in-Chief

Horticultural plants and their products provide sustenance, health, and beauty. A confluence of factors is putting increasing pressure on horticultural production to evolve, and innovative research is addressing these challenges. *Horticulturae* provides a venue to communicate research results in a rapid manner with open access, allowing everyone the opportunity to stay abreast of leading research addressing horticulture. I invite you to consider publishing the results of your research in this high quality, peer-reviewed journal.

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Horticulturae Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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