

Special Issue

Latest Epigenetic Research in Plants

Message from the Guest Editor

Eukaryotic DNA is compacted within chromatin. This sophisticated nucleoproteic structure bears the epigenetic information and is made of DNA wrapped around histone octamers. The histone core is composed by a H3/H4 tetramer flanked by two H2A/H2B dimers. Photosynthetic organisms i.e. land plants and algae (Rhodophytes, Chlorophyta and Chromalveolata for brown algae) are highly diverse organisms that belong to independent lineages sharing the ability to do photosynthesis in various and fluctuating environments. The Special Edition will focus on the molecular players that participate to the epigenetic mechanisms. Plants are plastic organisms that present unique epigenetic mechanisms and constitute interesting models to untangle epigenetic mechanisms operating in various environmental cues. We invite submission of works that investigate these mechanisms by various and combined approaches, such as biochemistry, molecular biology, genetics and omics approaches, as well as review articles that offer a comprehensive view of the current knowledge and its limits or method papers with new techniques to analyze these mechanisms.

Guest Editor

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Deadline for manuscript submissions

closed (20 December 2024)



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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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