

Special Issue

CRISPR-Mediated Base Editing in Plants

Message from the Guest Editor

CRISPR-mediated genome editing has been a core technique in most fields of biological research. Inducing mostly short in/del mutations by double strand breaks with CRISPR/Cas9 guided with single strand guide RNA results in the loss of function of target genes.

Furthermore, the recent emergence of base editing tools using the CRISPR system with Cas9 variants and fused deaminase broadens the possibility of studies on gene functions and traits via changing amino acids compositions in target proteins. In this Special Issue, we would like to give an opportunity to researchers to introduce their results using various types of CRISPR-mediated base editing in plants. Many research topics relating to base editing, such as phenotypic validation of base substitution mutations, specific testing of CRISPR-base editing tools to improve efficiency, and functional prediction based on base modification, are welcome. Additionally, we will consider publication of manuscripts dealing with genome editing research in the plant system.

Guest Editor

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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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