



CRISPR-Mediated Base Editing in Plants

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Deadline for manuscript
submissions:

closed (31 March 2022)

Message from the Guest Editor

Dear Colleagues,

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.

Dr. Sang-Tae Kim

Guest Editor





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Message from the Editor-in-Chief

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