

Special Issue

Plant Genomics and Genome Editing 2.0

Message from the Guest Editor

Scientists are able to precisely edit genomes efficiently and cost-effectively thanks to the many high-quality reference genome sequences that are currently available. Zinc finger nucleases (ZFNs), transcription activator-like effector-based nucleases (TALENs), and the clustered regularly interspaced short palindromic repeats (CRISPR)-Cas system have been successfully employed to edit numerous individual genes in many organisms, and CRISPR-edited plants are now on the market. The CRISPR-Cas system has been widely used to edit genetic elements in genomes for various applications—not only crop improvement, but also many gene therapy studies. In this Special Issue, we cordially invite scientists from across the world to contribute their cutting-edge research on plant genomics and genome editing. We welcome the submission of original research articles and short communications contributing to the advancement of genomics and genome editing, including techniques, applications, trait development, and enabling database and computational software. We are also inviting scientists to write reviews for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (31 July 2023)



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