

Call for Papers

2022 Focus Issue on Gene Editing and Its Applications

Edited by Jiming Jiang, Holger Puchta, Kan Wang, and Yunde Zhao

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To submit an article, go to <http://pphys.msubmit.net/>

Rapid advancements in gene editing technology have provided unprecedented capability for scientists to modify plant genomes, revolutionizing both basic plant biology research and crop breeding. This Focus Issue on **Gene Editing and Its Applications** will cover a wide range of topics related to gene editing, including both technical development and innovative applications in solving biological questions and in overcoming difficulties in crop improvement. We welcome submissions of Research Articles, Research Reports, and Letters covering technological advancements in improving gene editing and genome engineering efficiency and precision, expanding the scopes and capability of the existing CRISPR systems, and accelerating the development of transgene-free and target gene-edited plants. We also encourage submissions of technical breakthroughs in plant tissue culture and genetic transformation, as these techniques remain a bottleneck for achieving genome editing in many plant species. Articles that repurpose the canonical gene editing technologies for altering gene expression, modifying epigenetic status, visualizing and isolating genetic elements, and other applications will be considered, as will those covering crop improvements and domestication, trait improvements and stacking, and other relevant applications of gene editing. We are also looking for insights and perspectives on government regulatory policies on gene editing.

Authors submitting to this Focus Issue should indicate their interest in the cover letter when submitting manuscripts online at <http://pphys.msubmit.net/>. Please select “Gene Editing and Its Applications” from the Focus Issue list in the online submission system. Articles published in *Plant Physiology* on this topic within 2 years before and after the Focus Issue publication date will be collected as part of the online Focus Collection on this topic.

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