

JZUS-B Special Column on “Gene Editing in Plant/Crop Science”



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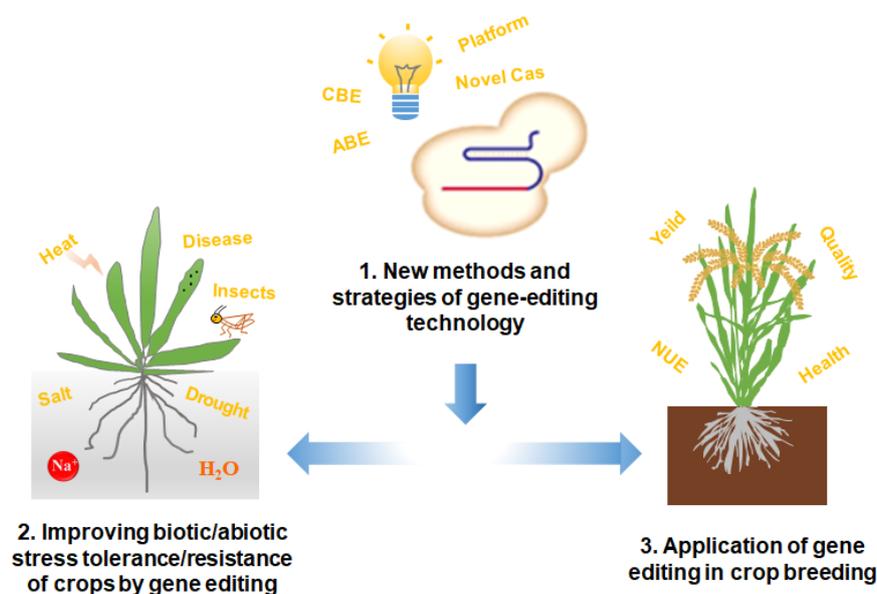
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Special Column Is Coming Soon: **Gene Editing in Plant/Crop Science**

We are now inviting submissions for an upcoming Special Column



Guest Editors-in-Chief:



Prof. Guoping Zhang
Zhejiang University, China



Prof. Chengdao Li
Murdoch University, Australia

Gene editing technology has become one of the most important stepping-stones of crop molecular breeding for future agriculture. This special column will explore how are novel gene editing technologies applied to the improvement of plant biotic/abiotic stress tolerance or breeding for the crop varieties with high yield, quality, and nutrient use efficiency. We encourage submission of papers to answer the fundamental biological questions in the following aspects:

1. Progress on base or prime editing technologies will be addressed, with the insertion or deletion editing by the CRISPR Cas9 or new systems. Innovations of methodology, strategy, and platform for the precise editing of SNP, Indel or PAV/SV on the targeted sequences for crop molecular design are particularly welcome.
2. Improving plant tolerance or resistance to biotic (e.g., disease, insects, and weeds) and abiotic (e.g., salt, drought, and high temperature) stress is quite important for sustainable agriculture. Loss-of-function by the CRISPR system is successfully used in the functional verification of candidate genes, for the attempt to develop crops with high stress tolerance or resistance.
3. Breeding for the crop varieties with high yield, quality, and nutrient use efficiency is always the key objective in crop breeding. Gene editing technology is recognized as an appropriate tool for the reconstruction of ideal crops on *de novo* demonstration, pyramiding breeding, apomixes, and other aspects.

We welcome papers investigating novel solutions of CRISPR technologies for stress tolerance, as well as papers describing novel breeding targets. Original studies will be complemented by a series of Invited Reviews, Research Articles, Correspondence, Commentaries, and Technical Updates on gene editing technology.

Publication

The first Special Column will be published in December, 2022, and your early submission will be greatly appreciated.

Submission

- For unsolicited Reviews, Commentaries, or Opinion papers please send a pre-submission enquiry to zhanggp@zju.edu.cn or c.li@murdoch.edu.au, providing title, list of headers, figures and tables, and a preliminary reference list, as well as a list of publications of the main authors.

- Original Research Articles, Correspondence, and Technical Updates can be directly submitted to *JZUS-B* via <https://www.editorialmanager.com/zusb>, and authors can consult the editorial office (jzus_lhf@zju.edu.cn) if you have any questions.
- Welcome you to start submission from now on, and early submission is greatly appreciated. For the manuscript guidelines, please visit <https://jzus.zju.edu.cn/manuscript.php> and <https://jzus.zju.edu.cn/Policy.php>

Others

- When you submit papers, please mark “Gene Editing in Plant/Crop Science” before the article title, in order for us to collect the information correctly.
- All manuscripts must not be under consideration elsewhere for publication, and will undergo international peer review and Crosscheck processes before acceptance to ensure their high quality and originality.
- All accepted papers will be published online in SpringerLink, PMC (full text), and *JZUS* websites.