

Special Issue

Gene Editing for Cereal Crops

Message from the Guest Editor

Recent advances in gene editing technologies, particularly CRISPR/Cas-based systems, have revolutionized crop improvement by enabling precise genetic modifications. Cereal crops, as staple foods for the global population, present an essential target for genetic enhancement to improve yield, stress resistance, nutritional quality, and processing properties.

This Special Issue invites original research articles, reviews, and perspectives on the application of gene editing in major cereal crops such as wheat, rice, maize, and barley. Topics of interest include but are not limited to:

- Development and optimization of gene-editing techniques for cereals;

- Improvement of agronomic traits, including yield, stress tolerance, and disease resistance;

- Enhancing grain quality, nutrition, and processing properties;

- Regulatory considerations and public acceptance of gene-edited cereals;

- Novel germplasm development and breeding applications.

We welcome contributions from researchers worldwide to showcase the latest advancements and challenges in gene editing for cereal crops.

Guest Editor

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Message from the Editor-in-Chief

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