Special Issue

Impacts of CRISPR–Cas in Evolving Agriculture and Plant Biotechnology

Message from the Guest Editor

The advent of CRISPR–Cas technology has ushered in a new era in agriculture and plant biotechnology. Gene editing applications in agriculture have evolved from the initial gene knockout to techniques such as long fragment deletion, base editing, knock-in, fragment replacement, and the activation and inhibition of target genes. It is an important technology for improving key agronomic traits such as yield, quality, and stress tolerance. To comprehensively explore the wide-ranging impacts of CRISPR–Cas in the evolving field of agriculture, we have launched a Special Issue titled "Impacts of CRISPR–Cas in Evolving Agriculture and Plant Biotechnology". This Special Issue will focus on the derivation and improvement of CRISPR–Cas-based technologies, including but not limited to enhancing precision, efficiency, multi-gene editing, and the discovery of new nucleases. Additionally, it will examine the improvement of agronomic traits using gene editing tools. We welcome both original review papers and research articles. We invite colleagues and experts to contribute manuscripts.

Guest Editor

Dr. Yupeng Cai

Institute of Crop Sciences, Chinese Academy of Agricultural Sciences, Beijing 100081, China

Deadline for manuscript submissions

15 May 2026

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/si/238475

Agronomy
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agronomy@mdpi.com

mdpi.com/journal/agronomy

Agronomy

an Open Access Journal by MDPI

Impact Factor 3.4
CiteScore 6.7

mdpi.com/journal/agronomy

MDPI

About the Journal

Message from the Editor-in-Chief

Agronomy draws together researchers from diverse areas of agricultural research with a common aim of enhancing agricultural productivity globally. The journal provides unlimited free access to all those interested in advancing agricultural science from both the research and general community. Papers are released immediately after acceptance through the internet. *Agronomy* is supported by our authors and their institutes through low article processing charges (APC) for accepted papers. We hope you will support the journal by becoming one of our authors.

Editor-in-Chief

Prof. Dr. Leslie A. Weston
Gulbali Centre for Agriculture, Water and Environment Research, Charles Sturt University, Wagga Wagga, NSW 2678, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Agronomy and Crop Science)