

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

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Deadline for manuscript submissions

closed (15 May 2026)



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Editor-in-Chief

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