

Special Issue

Application of CRISPR/Cas9 Technology in Insects

Message from the Guest Editor

The CRISPR/Cas9 revolution has transformed our capacity to manipulate genetic material, and its application in insects holds extraordinary promise for addressing challenges in agriculture, public health, and ecological sustainability. From controlling disease vectors like mosquitoes to enhancing pest management and helping us to understand fundamental biological processes, CRISPR/Cas9 offers unprecedented tools to unravel gene functions, engineer insect traits, and develop innovative solutions for global issues. This Special Issue invites researchers to explore the full spectrum of CRISPR/Cas9 applications in insects. We welcome original research, reviews, and methodological advances covering topics such as gene drive design, functional genomics, ecological impact modeling, and ethical frameworks for field deployment. By bringing together cutting-edge discoveries, we aim to catalyze breakthroughs that bridge laboratory innovations with real-world applications. Your contributions will help shape the future of insect biotechnology—please consider joining this vital conversation.

Guest Editor

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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