

Special Issue

Genomics, Transcriptomics, and Proteomics of Insects

Message from the Guest Editors

Insects are distributed worldwide and include numerous and diverse species. Some beneficial insects, such as honeybees and silkworms, play a critical role in maintaining the balance of the ecosystem and producing high-quality products like honey and silk. In contrast, some other insects, such as locusts and mosquitoes, are capable of giving rise to severe losses in food production as well as are a serious threat to human health. This Special Issue of *Genes* entitled “Genomics, Transcriptomics, and Proteomics of Insects” will collect high-quality reviews and research articles written by the leading experts in related fields. The scope of this Special Issue includes but is not limited to genomics of insects, transcriptomics of insects, proteomics of insects, third-generation sequencing-based omics of insects, functional genomics of insects, development and application of bioinformatic tools in the study of insects, and insect–biotic factor/abiotic factor interaction from the omics perspective.

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2025)

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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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