

Special Issue

Studies on Insect Genetics and Genomics

Message from the Guest Editor

Insects, as the most species-rich group on Earth, serve as both major biological agents of crop damage and valuable bio-resources with significant economic potential. Balancing the utilization of insect resources with ecological pest control has become a key research focus. A thorough understanding of insect genomic features and their genetic mechanisms is the fundamental scientific basis for achieving this goal. Accordingly, this journal prioritizes the following research directions:

- Technological innovation: development and application of novel sequencing technologies and genome-editing methods.
- Theoretical breakthroughs: revealing evolutionary mechanisms such as sex chromosome origins and horizontal gene transfer.
- Applied research: practical exploration of eco-friendly insect control technologies and genetic enhancement of resource insects.
- Interdisciplinary integration: multidimensional studies combining genomics, ecology, and molecular biology.

Guest Editor

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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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