

Special Issue

Insect Immunogenomics

Message from the Guest Editors

Insects, the most diverse group of organisms, possess highly sophisticated immune systems that enable them to combat pathogens and adapt to environmental challenges. Recent advances in genomics and bioinformatics have revolutionized our understanding of insect immunity, uncovering complex immune mechanisms and their evolutionary dynamics. This research area is critical for addressing global challenges, such as vector-borne diseases, agricultural pest control, and biodiversity conservation. The Special Issue aims to highlight cutting-edge research in insect immunogenomics. We welcome original research, reviews, and perspectives that advance this field. Together we explore the fascinating world of insect immunogenomics! Suggested themes include the following:

- Genomic and transcriptomic insights into insect immune systems;
- Evolutionary immunogenomics and comparative analyses;
- Functional genomics of immune responses;
- Insect–pathogen interactions and vector immunity;
- Environmental influences on immune gene expression.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.1 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2025).