

Special Issue

Research on Insect Molecular Biology

Message from the Guest Editors

Molecular biology techniques are indispensable in entomology for comprehending various insect behavioral mechanisms. Advancements in molecular biology have facilitated the investigation of gene structure, the regulation of gene expression, protein localization, function, activity, and interactions, in addition to the impact of mutations on gene/protein function. These studies have helped elucidate evolutionary processes, ecological dynamics, population genetics, physiological functions, reproductive strategies, and communication and interaction patterns within and between insect populations. This Special Issue invites research employing molecular biology methodologies across various areas of insect studies. We welcome original research articles and comprehensive review papers that focus on insect behavior, physiology, endocrinology, genomics, and proteomics or utilize both fundamental and advanced molecular biology approaches. All submissions meeting these criteria will be considered for publication in this Special Issue.

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Message from the Editor-in-Chief

Editor-in-Chief

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the first half of 2025).