

## Special Issue

# Exploring Insect Biodiversity: From Ecological Insights to Molecular Research

### Message from the Guest Editor

Insects play a pivotal role in ecosystems, agriculture, and biodiversity conservation. Traditionally, biodiversity identification has relied on visual observations, ecological surveys, morphological species identification, and individual counting. However, these methods can be hampered by insufficient morphological identification resources, taxonomic expertise, standardized sampling techniques, and the difficulty of identifying cryptic species. Currently, molecular techniques, particularly DNA barcoding methods, have rapidly advanced beyond standard single-specimen identification. High-throughput methods such as DNA metabarcoding enable multiple specimens or entire communities to be processed and sequenced simultaneously and permit in-depth and rapid biodiversity analysis. The integration of ecological with molecular research allows for a more comprehensive understanding of insect communities and their ecological roles. We are pleased to invite research and review article submissions exploring insect biodiversity (e.g., DNA metabarcoding, insect biodiversity, environmental DNA, species discovery/interactions/dynamics) to this Special Issue of *Insects*.

### Guest Editor

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### Deadline for manuscript submissions

31 July 2026



## Insects

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### Message from the Editor-in-Chief

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#### Editor-in-Chief

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