

## Special Issue

# Aquatic Insects Biodiversity and eDNA Monitoring

### Message from the Guest Editors

Aquatic insects stand as indispensable sentinels, monitoring changes in freshwater ecosystems and offering vital insights into environmental alterations. DNA-based methods emerge as powerful tools for accurately identifying aquatic insects. Specifically, eDNA metabarcoding, coupled with sensitive, cost-effective, and rapidly advancing DNA sequencing technologies, holds immense importance in biodiversity monitoring and environmental policy formulation.

This Special Issue aims to gather high-quality, original research that further illuminates our understanding of aquatic insect biodiversity, evolution, and ecology. We eagerly await submissions in the fields of both traditional and molecular taxonomy, eDNA metabarcoding, phylogeny, ecology, and biogeography. We encourage contributions that explore novel applications of these methodologies, especially those that advance our knowledge of aquatic insect taxonomy and ecology and their role in freshwater ecosystems. By compiling a collection of cutting-edge research, we hope to pave the way for a deeper understanding and appreciation of these vital organisms.

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### Guest Editors

Dr. Xiao-Long Lin

Dr. Mathew Seymour

Dr. Xin-Yu Ge

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### Deadline for manuscript submissions

31 December 2025



## Insects

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*Insects*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[insects@mdpi.com](mailto:insects@mdpi.com)

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#### Editor-in-Chief

Prof. Dr. Brian T. Forschler

Department of Entomology, University of Georgia, 413 Biological  
Sciences Building, Athens, GA 30602-2603, USA

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