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.

Guest Editors

Dr. Xiao-Long Lin
Dr. Mathew Seymour
Dr. Xin-Yu Ge

Deadline for manuscript submissions

31 July 2026

Insects

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/216323

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

mdpi.com/journal/insects

Insects

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed

mdpi.com/journal/insects

MDPI

About the Journal

Message from the Editor-in-Chief

Arthropods are a diverse and abundant group of animals that are important to a variety of research dictates. For example, hexapods act as bio-indicators of ecosystem function and pest status and serve as model systems for questions concerning physiology, embryology, genetics, and social interaction. The editorial board and staff at Insects is committed to providing contributors an open access forum to showcase objective and innovative research as well as succinct review articles. Our journal is dedicated to providing timely and thorough review of qualified submissions and we welcome you to submit a contribution.

Editor-in-Chief

Prof. Dr. Brian T. Forschler
Department of Entomology, University of Georgia, 413 Biological Sciences Building, Athens, GA 30602-2603, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, GEOBASE, PubAg, and other databases.

Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).