Special Issue

DNA Barcoding and Insect Biodiversity

Message from the Guest Editor

Traditionally, biodiversity identification has relied on visual observations, morphological species identification, and individual counting. However, these methods can be hampered by insufficient morphological identification resources, taxonomic expertise, and standardized sampling techniques. 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. Because of their high identification efficiency, DNA barcoding has been widely used in pest biosurveilliance, insect community dynamics, biotic interactions in community ecology, beneficial insect exploration, environmental monitoring, biodiversity conservation, etc. We are pleased to invite research and review article submissions considering the effects of the above factors on insect barcoding (e.g., DNA metabarcoding, insect biodiversity, environmental DNA, species discovery/interactions/dynamics, etc.) to this Special Issue of *Insects*.

Guest Editor

Dr. Chenxi Liu

Institute of Plant Protection, Chinese Academy of Agricultural Sciences, Beijing 100193, China

Deadline for manuscript submissions

30 September 2025

Insects

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed

mdpi.com/si/226518

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

About the Journal

Message from the Editor-in-Chief

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, 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 18.1 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).