

Special Issue

Chemical Toxicology and Insecticide Resistance on Insect Pests

Message from the Guest Editors

Insect pests can cause significant quality and yield losses to crops and can potentially threaten nutrition, food safety, and human health. Insecticide application is a crucial factor in managing agricultural pest and vector populations that transmit diseases. A consequence of the repeated use of pesticides is the development of resistance to many pests, adverse effects on the environment, and the reduction in populations of natural enemies followed by the resurgence or secondary pest outbreaks. The scope of this Special Issue includes but is not limited to (i) insecticide resistance of pesticides and its management and (ii) the toxic effects of chemicals and their impact on the insect population and/or community level. We are particularly interested in manuscripts that include research articles, review articles, short communications, and opinion articles related to the extended topic of “Chemical Toxicology and Insecticide Resistance on Insect Pests”.

Guest Editors

Dr. Panagiotis J. Skouras

Laboratory of Agricultural Entomology and Zoology, Department of Agriculture, University of the Peloponnese, Kalamata Campus, 24100 Antikalamos, Greece

Prof. Dr. George J. Stathas

Laboratory of Agricultural Entomology and Zoology, Department of Agriculture, University of the Peloponnese, Kalamata Campus, 24100 Antikalamos, Greece

Deadline for manuscript submissions

closed (31 May 2025)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/189994

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

[mdpi.com/journal/
insects](https://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](https://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).