# Special Issue

# Enzymatic Investigations in Insect Research

## Message from the Guest Editor

Insects have a simplified division of organs, therefore, macromolecules such as enzymes play an important role in certain metabolic processes such as in the immune system, antioxidant system, digestion, and storage of harvested food. Insect enzymes may undergo a change in their activity as a result of the presence of pathogens, the administration of artificial diets, or the presence of toxic substances/pesticides. The aim of this Special Issue is to encourage scientists to publish results related to the insect's biology, physiology, behavior, and management, as well as their interactions with human societies, plants, and ecosystem services, using enzymatic activity as a parameter indicative of the physiology or the wellness of the insect. Researchers are invited to publish on themes of the immune system, antioxidant system, artificial diet effects, pathogen or pesticide effects, the environment–insect relationship read from an enzymatic perspective, insect digestion, fly, collection and storage of food, reproduction, nesting, and all other topics related to the involvement of enzymes in the physiological or pathological conditions of insects.

## Guest Editor

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## Deadline for manuscript submissions

closed (29 February 2024)

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# 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

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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).