

## Special Issue

# Molecular Basis of Adaptation in Arthropods

### Message from the Guest Editors

Arthropods originated more than 500 MYA and have expanded into all major habitats. They have evolved herbivorous, detritivorous, parasitic and carnivorous lifestyles, and exhibit a remarkable ability to adapt to (novel) nutritional challenges, resulting in highly dynamic feeding ecologies. Arthropod populations also quickly adapt to several anthropogenic stressors, such as pesticides, heavy metals and changing climate conditions. In this Special Issue, we welcome all studies that aim to unravel the molecular basis of these adaptation processes and specifically encourage studies implementing whole-genome-based approaches and/or reverse genetics tools (e.g. CRISPR-Cas9 and RNAi), to address their research hypotheses.

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### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2021)



## Insects

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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.

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### Editor-in-Chief

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#### Journal Rank:

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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).