

## Special Issue

# Insect Adaptation to Changing Environment: From Behavior to Molecular Mechanisms

### Message from the Guest Editors

Insects and other small ectotherms are, in addition to changes imposed by global climate change, constantly faced by variable environmental conditions that change within timescales that vary from within days to across seasons and years. While the intricate adaptive responses and adaptations to changing environmental conditions have been intensively studied, numerous outstanding questions remain. These include—but are not restricted to—how to measure adaptation and adaptive responses, which molecular mechanisms and genetic pathways are involved, the type and role of behavior, the use of micro-climates, trade-offs between fitness components, genetic variation and evolutionary potential, and changes in the distribution and abundance of insects in accordance with environmental change. More than one million species of insects have been described, and this large group has immense importance for ecosystem functioning. We seek to compile a Special Issue with high-quality original submissions and reviews that address and discuss main outstanding questions within the topic of Insect Adaptation to Environmental Changes.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2024)



## Insects

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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