

## Special Issue

# Chemoreception in Insects: Function and Evolution

### Message from the Guest Editors

One reason for insects to be among the most successful animals on earth is their powerful chemosensory systems, which express members of the odorant receptor (Or), ionotropic receptor (IR), gustatory receptor (Gr), pickpocket (Ppk), transient receptor potential (Trp), and opsin families. These receptors evolved to detect attractant, feeding, mating, oviposition, and deterrent cues. Thus, understanding how chemosensory systems work and evolve is important for developing new means for controlling harmful insects, such as insect vectors of human diseases and agricultural pests. This Special Issue will report recent advancements in the field of insect chemoreception with a particular emphasis on integrative and comparative approaches.

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### Guest Editors

Dr. Ali Afify

Dr. Shimaa A.M. Ebrahim

Dr. Hany K.M. Dweck

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### Deadline for manuscript submissions

closed (30 December 2022)



## 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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