



insects



an Open Access Journal by MDPI

Recent Advances in Physiology of Insect Olfaction

Guest Editors:

Prof. Dr. Jürgen Krieger

Department of Animal
Physiology, Institute of
Biology/Zoology, Martin Luther
University Halle-Wittenberg,
06120 Halle (Saale), Germany

Dr. Jörg Fleischer

Department of Animal
Physiology, Institute of
Biology/Zoology, Martin Luther
University Halle-Wittenberg,
06120 Halle (Saale), Germany

Deadline for manuscript
submissions:

closed (1 March 2022)

Message from the Guest Editors

Dear colleagues,

The sense of smell is of pivotal importance to insects. Odorants originating from food, conspecifics, oviposition sites, or predators initiate and control a variety of insect behaviors essential for survival and reproduction. Insects use sophisticated olfactory systems to constantly screen their environment for olfactory cues and are able to detect behaviorally relevant odorants with remarkable sensitivity and precision.

This Special Issue aims at highlighting new research on the physiology of insect olfaction with a focus on the olfactory elements and processes that underly the peripheral detection of odorants, the central coding of odors and odor-guided behavior. We invite colleagues to submit original articles, short communications, or reviews that report newest findings or update our understanding of insect olfaction.



mdpi.com/si/64495

Special Issue