

Special Issue

Inter- and Intra-specific Interactions by Semiochemicals in Arthropods

Message from the Guest Editors

Olfaction and gustation are key senses mediating interactions between arthropods as well as their environment. Arthropods use organic compounds to locate food sources, find mates, and avoid or defend against enemies and predators. These interactions occur between individuals of the same or different species and take place between organisms of several trophic levels, forming semiochemical networks of varying complexity. Arthropods release and detect semiochemicals at extraordinarily low amounts, making identification and reconstruction of chemical messages a challenging task. Understanding these interactions widens our academic knowledge and gives us tools for controlling pests in an environmentally friendly manner.

This Special Issue is a call for original research articles and mini-reviews that aim to deepen our understanding of the various aspects of chemical-mediated interactions in arthropods. We are particularly interested in contributions that provide new insights into the diversity and complexity of these interactions, their ecological implications, and their potential applications in pest control.

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Editor-in-Chief

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