Special Issue

Chemical Communication in Insects: New Advances in IPM Strategies

Message from the Guest Editors

Chemical communication in insects is a key feature for their survival since it mediates important behaviors, such as food-seeking, recruitment, recognition of congeners and mating, alarm, and territorial marking. Many of these processes are intraspecifically regulated by pheromones, which have become essential tools for monitoring and controlling agricultural pest populations due to their main features being species-specific, non-toxic to mammals and other beneficial organisms, active in minor amounts, and rapid degradation in the environment. For this Special Issue, we invite the submission of novel, high-quality research papers, case reports, and comprehensive reviews on all aspects of chemical communication in insects. In particular, the following subjects are welcomed: new insect pheromones, new methodologies and techniques in insect pheromone research, chemical ecology of new insect pests, invasive alien species, innovative pest control strategies, and new developments in IPM, among others.

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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