



insects



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Biology, Chemical Ecology and Control of Ants

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Message from the Guest Editors

Ants are essential to the well-being of many habitats, including those in which we humans live. On the other hand, several ant species are among the most notorious invasive species, posing a significant threat to the health of the public, wildlife, agriculture and biodiversity. As eusocial insects, individual ants divide various tasks and cooperate with each other in a colony using chemical signals. Researchers have been studying ant social behavior and chemical cues for decades. New research combining observations of ant behavior, advanced genomic technology and chemical analysis, modern imaging techniques, and computational modeling has gained further insight into the biological processes that allow ants to build such sophisticated societies. This Special Issue seeks to become a forum for recent investigations on ants with a focus on biology, chemical ecology and management, particularly new investigations that generate new concepts and/or improve the existing approaches for monitoring and managing invasive pest ants. We welcome the submission of high-quality research articles, short communications, and comprehensive reviews.



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Special Issue