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Biology, Chemical Ecology and Control of Ants

Guest Editors:

Dr. Jian Chen
Biological Control of Pests Research Unit, Agricultural Research Service, United States Department of Agriculture, 59 Lee Road, Stoneville, MS 38776, USA

Dr. Cai Wang
College of Forestry and Landscape Architecture, South China Agricultural University, Guangzhou 510642, China

Dr. Godfrey Preston Miles
Biological Control of Pests Research Unit, Agricultural Research Service, United States Department of Agriculture, 59 Lee Road, Stoneville, MS 38776, USA

Deadline for manuscript submissions:
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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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Editor-in-Chief

Prof. Dr. Brian T. Forschler
Department of Entomology, University of Georgia, 413 Biological Sciences Building, Athens, GA 30602-2603, USA

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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Contact Us

Insects Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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