

Special Issue

Biology, Chemical Ecology and Control of Ants

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.

Guest Editors

Dr. Jian Chen

Dr. Cai Wang

Dr. Godfrey Preston Miles

Deadline for manuscript submissions

closed (31 October 2023)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/153007

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)





Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

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

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed,
PMC, PubAg, and other databases.

Journal Rank:

JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.1 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2025).