

Special Issue

Ecology and Evolution of Myrmecophilous Associations

Message from the Guest Editors

Associations with ants range from mutualistic to parasitic and can involve distantly related organisms. Since the first attempts to describe the amazing diversity of species interacting with ants, current research has dissected various aspects of these associations. Several studies have investigated the coevolution between partners, the morphological or behavioral adaptations, the communication signals involved in the interactions, and the relative fitness of partners using a multidisciplinary approach that enables tackling the complexity of these relationships. We believe that the outcomes obtained so far will pave the way to understanding how myrmecophily could have played a pivotal role in the evolution and ecology of several organisms and shaped the community structure of many terrestrial ecosystems. This Special Issue will focus on the underlying mechanisms fostering associations between ants and various organisms. We will target all groups of myrmecophiles in the broader sense, including insects but also other invertebrates, fungi, and plants. Physiological, ethological, and ecological studies are welcomed.

Guest Editors

Dr. Luca Pietro Casacci

Dr. Francesca Barbero

Dr. Magdalena Witek

Deadline for manuscript submissions

closed (30 September 2024)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/143505

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).