

## Special Issue

# Gut Microbiota in Social Insects

### Message from the Guest Editor

The gut microbial community has a profound impact on the host's physiology and behavior, while the host's genetical and ecological contexts also affect gut microbiota. This bidirectional association plays a crucial role in coevolution between hosts and gut microbes. Social insects, including ants, bees, wasps, and termites, are great models for studying the emergence and evolution of sociality in animal species, as well as for understanding how such social organization shapes their gut microbial communities. For this Special Issue, we invite the submission of papers that provide a broad perspective of the relationship between social insects and gut microbiota. In particular, we welcome papers focusing on the diversity or consistency of a gut microbial community among castes, colonies, and relevant behaviors to sociality. We also welcome sophisticated studies using model species like honey bees and termites, but would also appreciate short reports on gut microbiota in any endemic species or local tribe.

### Guest Editor

Dr. Ryo Miyazaki

Bioproduction Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Tsukuba, Ibaraki 305-8566, Japan

### Deadline for manuscript submissions

closed (31 July 2022)



## Insects

an Open Access Journal  
by MDPI

Impact Factor 2.9  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/60907](https://mdpi.com/si/60907)

*Insects*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[insects@mdpi.com](mailto: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).