

## Special Issue

# Advances in the Use of Insect Cell Culture and Biotechnology

### Message from the Guest Editors

Arthropod cell culture systems are foundational for studying cell processes like metabolism; isolating and characterizing viruses (e.g., baculoviruses, rhabdoviruses), endosymbionts (e.g., *Wolbachia* sp.), or Mollicutes. Moreover, genetic engineering coupled with insect cell culture has spurred the mass production of recombinant proteins of human and animal importance. Our goal for this Special Issue is to highlight recent advances in the use of insect cells. We welcome manuscripts on the generation, preservation, and use of new and existing insect cell lines. Furthermore, we seek original research on applications of arthropod cells for understanding host-microbe relationships (symbiotic or pathogenic). Special consideration will be given to manuscripts that focus on the utilization of insect and other arthropod cells to elucidate zoonotic diseases.

### Guest Editors

Dr. Mike J. Goblirsch

Thad Cochran Southern Horticultural Laboratory, Agricultural Research Service, U.S. Department Agriculture, 810 Highway 26 West, Poplarville, MS, USA

Dr. Wayne B. Hunter

U.S. Department Agriculture, Agricultural Research Service, U.S. Horticultural Research Laboratory, 2001 South Rock Road, Fort Pierce, FL, USA

### Deadline for manuscript submissions

closed (30 June 2021)



## Insects

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.6  
Indexed in PubMed



[mdpi.com/si/54120](https://mdpi.com/si/54120)

*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).