

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

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Deadline for manuscript submissions

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About the Journal

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.

Editor-in-Chief

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Author Benefits

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Journal Rank:

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

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).