

Special Issue

Insect Mouthparts: Evolution, Biomechanics, and Ecological Significance

Message from the Guest Editor

In terms of biodiversity and ecological services, no group of eukaryotic organisms are as successful as insects. Their successes are linked to their ability to feed on an extensive array of food sources, including hard and soft materials and Newtonian and non-Newtonian fluids, which have allowed insects to flourish in a range of environmental conditions and contribute to their global occupancy. Studies of insect mouthparts branch into many fields, including biomechanics, ontogenetics, and phylogenetics. In addition, research on this topic has become more rigorous and multidisciplinary, employing novel techniques and technology, involving biologists, physicists, and engineers. Here, we are pleased to invite submissions of research and review articles to this Special Issue of *Insects*. Papers that consider all aspects of insect mouthparts will be considered, including their development, material and mechanical properties, role in ecological services, and evolutionary history.

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2026)



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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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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).