

Special Issue

Precision Apicultures

Message from the Guest Editors

Honey bees are essential pollinators for environmental conservation and for many crops. In addition, beekeeping provides us with products such as honey, pollen, propolis, royal jelly or wax. Honey bees are also frequently used as bioindicators of the environment. Unfortunately, the Western honey bee faces multiple threats and virtually all colonies are maintained by beekeepers. On the other hand, beekeeping is very low-tech. The growing application of new technologies can be a very interesting tool for the development of beekeeping and the conservation of honey bees. This is what is known as “precision apiculture”. The objective of this Special Issue of the journal *Insects* is to provide the latest advances in precision apiculture, through contributions on electronic designs and monitoring systems to assess variables in honey bee hives, such as bee hive status, colony health, productivity evaluation, warnings and alarms in bee hives; predictive studies; the use of bees as environmental bioindicators; and any other topic that contributes to improving our knowledge of bees, their conservation, productivity or their use for understanding the environment.

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Deadline for manuscript submissions

closed (30 April 2025)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/201872

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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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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).