

Special Issue

How the Biology and Behavior of German Cockroaches and Bed Bugs Might Influence Their Response to Novel Control Methods

Message from the Guest Editor

Bed bugs and German cockroaches have been a part of the human environment for thousands of years. Humans who are annoyed by their presence and/or blood-sucking behavior have tried to eradicate these pests by any means. This has resulted in the selection of German cockroach and bed bug populations that have biological (e.g., genetic selection for insecticide resistance) and behavioral (e.g., aversion to toxic food resources) characteristics that allow them to persist in the human environment. Entomologists have researched these characteristics for decades. This Special Issue of the *Insects* journal will focus on recent research that evaluates the behavioral and physiological characteristics of modern bed bugs and German cockroaches. This issue will also focus on studies evaluating novel control methods that have been found to be effective or ineffective, due to these characteristics. The ultimate focus of this Special Issue of the *Insects* journal is to examine the potential of German cockroaches and bed bugs to continue their co-existence with humans over the next century.

Guest Editor

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.7 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2026).