



insects



an Open Access Journal by MDPI

Infectious Diseases in Beneficial Insects: Current Status of Pébrine and Nosema Diseases and Their Progression (2nd Edition)

Guest Editors:

Dr. Yoshinori Hatakeyama

Department of Zoological
Science, College of Bioresource
Sciences, Nihon University,
Tokyo, Japan

Dr. Chisa Yasunaga-Aoki

Institute of Biological Control,
Faculty of Agriculture, Kyusyu
University, Fukuoka, Japan

Deadline for manuscript
submissions:

closed (30 September 2024)

Message from the Guest Editors

Dear Colleagues,

Beneficial insects have been treated with great care since ancient times because they provide various beneficial substances for humankind. They suffer from disease, similarly to humans. In particular, silkworm pébrine, a microsporidiosis caused by infection with microsporidia, is considered to be the most serious because of its chronic pathogenicity. The microsporidian parasite is transmitted from the mother moth to the next generation through the eggs, making it difficult to eliminate the disease. Although the pébrine has been prevented using the prophylactic method of mother moth examination, which was invented by Pasteur, the disease has not yet been eradicated. Additionally, honeybee nosemosis (microsporidiosis caused by microsporidia belonging to the genus *Nosema*) continues to be detected all over the world. Microsporidiosis remains a persistent threat to sericulture and apiculture.

This Special Issue welcomes review and research article papers focusing on the occurrence, distribution, and biological aspects of microsporidiosis in beneficial insects, silkworms, and bees since 2000.



mdpi.com/si/172874

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Brian T. Forschler

Department of Entomology,
University of Georgia, 413
Biological Sciences Building,
Athens, GA 30602-2603, USA

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, GEOBASE, PubAg, and other databases.

Journal Rank: JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

Contact Us

Insects Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/insects
insects@mdpi.com
[X@Insects_MDPI](https://twitter.com/Insects_MDPI)