insects

IMPACT FACTOR 2.9

Indexed in: PubMed

CITESCORE 5.6

an Open Access Journal by MDPI

Sterile Insect Technique and Mosquito Control

Guest Editor:

Prof. Dr. Norbert Becker
German Mosquito Control Association (KABS), 67346 Speyer, Germany

Deadline for manuscript submissions:
closed (30 November 2023)

Message from the Guest Editor

Dear Colleagues,

Mosquito control is a complex and difficult problem. Chemical control is still the most frequently practiced approach to combat mosquitoes, but usually, these chemicals are broad-spectrum products which can have also unwanted side effects on non-target organisms and on biodiversity when they are used in ecologically sensitive areas. The increased application of biological and microbiological methods or insect growth regulators as well as genetic methods such as the sterile Insect technique (SIT) contributes to an environmentally friendly solution to mosquito problems. The sterile insect technique and similar methods control certain vector and agricultural insect pest populations in a species-specific, environmentally sound, and effective manner. The sterile insect technique (SIT) is an environmentally friendly method of vector and pest control that integrates well into area-wide integrated pest management (AW-IPM) programs.

For this Special Issue, we welcome original research as well as review articles focusing on all aspects related to mosquito control, as well as the development and implementation of the SIT for mosquito control applications.

insects

an Open Access Journal by MDPI

IMPACT FACTOR 2.9 | Indexed in: PubMed | CITESCORE 5.6

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