Special Issue

Sterile Insect Technique and Mosquito Control

Message from the Guest Editor

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.

Guest Editor

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Deadline for manuscript submissions

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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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