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

Prof. Dr. Norbert Becker

German Mosquito Control Association (KABS), 67346 Speyer, Germany

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Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

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Editor-in-Chief

Prof. Dr. Brian T. Forschler
Department of Entomology, University of Georgia, 413 Biological Sciences Building, Athens, GA 30602-2603, USA

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