Special Issue

Insecticide Resistance and Toxicology: Challenges in Pest Management and Basic Research—2nd Edition

Message from the Guest Editor

Insecticide resistance is a serious problem affecting the efficacy and utility of compounds. It is exhausting our agricultural arsenal against pests. Scientists are engaged in investigating the mechanisms by which insects develop resistance to insecticides, such as target protein resistance, metabolic resistance, cuticular resistance and increased transporter activity, which leads to the excretion of insecticide from the pest. Considering the success of the earlier Special Issue, we are pleased to launch a second Special Issue on the same topic, welcoming laboratory and field studies on insecticides toxicology; discovery of novel molecular targets of insecticides; comparative toxicology of insecticides; mechanism of resistance of agricultural, forestry and health pests to chemical and biological insecticides; and monitoring and control technology for pest resistance. Both original research articles and reviews will be considered for publication.

Guest Editor

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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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