

Special Issue

How the Detoxification Genes Increase Insect Resistance

Message from the Guest Editors

An important feature of insect adaptation is the evolution of resistance, including resistance to pesticides, Bt toxins and host plants. The mechanisms of insect resistance are complex and diverse. Current studies believe that the passivation of target receptors and the enhancement of metabolic enzymes are the main contributions to resistance. At present, the research on target receptor passivation is relatively clear, while the mechanism of metabolic enzymes is relatively complex, involving the variation of gene coding region, non-coding region, and regulation outside the functional gene region, which has become a hotspot of current research. This Special Issue focuses on the scientific issue of "How the Detoxification Genes Increase Insects Resistance", and invites contributions of the latest research progress and review from experts and scholars in the field.

Guest Editors

Dr. Yutao Xiao

Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences, Shenzhen 518120, China

Dr. Minghui Jin

Agricultural Genomics Institute at Shenzhen, Chinese Academy of Agricultural Sciences, Shenzhen 518120, China

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

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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

Prof. Dr. Brian T. Forschler

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

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