

Special Issue

Toxicology and Molecular Physiology of Social Insects

Message from the Guest Editor

The toxicology and molecular physiology of insects comprise an interdisciplinary subject involving entomology, biochemistry, molecular biology, toxicology and other related fields. Additionally, molecular toxicology advances our insight into the toxicological and toxicokinetic properties of various bioactive compounds. This interdisciplinary approach is of great importance to obtaining a better understanding of the ecology and behavior of insects, elucidating insecticide toxicology and resistance mechanisms. Subsequently, this will help researchers to design more effective insecticides and biopesticides to manage targeted pests that affect agricultural production and public health, while minimizing environmental pollution and its impact on non-target organisms, as well as helping in developing integrated pest management strategies for sustainable land use. Therefore, this Special Issue seeks submissions of original research and review articles dealing with mechanistic understandings of the toxicology and molecular physiology of social insects including ants, bees, termites, and red fire ants, among others.

Guest Editor

Prof. Dr. Zhixiang Zhang

National Key Laboratory of Green Pesticide, South China Agricultural University, Guangzhou 510642, China

Deadline for manuscript submissions

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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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About the Journal

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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