

Special Issue

Challenges and Future Trends of RNA Interference in Insects

Message from the Guest Editor

RNA interference (RNAi) is a powerful molecular tool that has revolutionized functional genomics and gene regulation in various organisms, including insects. Insects are critical model systems for understanding the mechanisms of RNAi and developing novel RNAi-based technologies for pest management. However, despite the significant progress made in the field, several challenges and future directions need to be addressed to fully exploit RNAi's potential in insects. The objective of this Special Issue is to provide a comprehensive overview of the current challenges and future trends of RNAi in insects. This Special Issue aims to cover a range of topics, including the mechanisms of RNAi in insects, novel delivery strategies, target gene selection, off-target effects, insect resistance, and the application of RNAi in insect pest management. This Special Issue will bring together leading experts in the field to discuss the latest advancements in RNAi technology, highlight the potential of RNAi as a tool for managing insect pests, and identify key areas for future research.

Guest Editor

Dr. Honglin Feng

Department of Entomology, Louisiana State University, Baton Rouge, LA 70803, USA

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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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