

## Special Issue

# Functional Analysis of Insect Pest Genomes and Gut Microbiome for Crop Protection

### Message from the Guest Editor

Insect genomics has played a pivotal role in entomology, providing insights into insect biology from molecular to physiological levels by unraveling the complexities of insect genomes. We invite contributions that cover various aspects of pest Genomics, including novel pest Genomics, comparative genomic, application of genomics and interdisciplinary studies. The topics of interest include, but are not limited to, the following: Novel pest Genomics in agriculture; Pest Genomics and their applications in pest identification and pest management; Applications of genomics and gut microbiome in ecological adaptation of pests; Applications of pest genomics and gut microbiome in invasion mechanism of invasive species; Pest Gut microbiome and its application in pest management; Case studies, reviews, and experimental findings advancing Pest Genomics. We welcome original research articles, reviews, and methodologies that explore the pest genomics in agriculture. This Special Issue aims to provide a comprehensive platform for researchers, practitioners, and policymakers to exchange insights, foster collaborations, and propel the progression of pest genomics.

### Guest Editor

Dr. Lijun Liu

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### Deadline for manuscript submissions

15 January 2026



## Agriculture

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## About the Journal

### Message from the Editor-in-Chief

*Agriculture* (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

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### Editor-in-Chief

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