

Special Issue

Ecology and Management of Fruit Crop Insect Pests in Tropical and Subtropical Regions: Integrating Emerging Technologies

Message from the Guest Editor

This Special Issue aims to compile recent advances in the ecology, distribution, and integrated management of insect pests affecting fruit crops in tropical and subtropical regions, emphasizing the integration of emerging technologies. We invite submissions of original research articles, reviews, and case studies that explore pest–plant–natural-enemy interactions, population dynamics, phenology, and sustainable control methods.

Contributions that examine the use of geospatial technologies (GIS, remote sensing), artificial intelligence (machine learning, predictive modeling), and other innovative tools for pest monitoring and management are particularly encouraged. Studies focusing on biological control, semiochemicals, agroecological practices, and the incorporation of local knowledge are also welcome.

By fostering interdisciplinary collaboration across entomology, agriculture, ecology, and data science, this Special Issue seeks to promote sustainable and technologically informed pest management strategies that support resilient fruit production in tropical and subtropical regions.

Guest Editor

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Message from the Editor-in-Chief

Editor-in-Chief

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Author Benefits

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Journal Rank:

JCR - Q1 (Entomology) / CiteScore - Q1 (Insect Science)

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manuscripts are peer-reviewed and a first decision is
provided to authors approximately 18.1 days after
submission; acceptance to publication is undertaken in 2.9
days (median values for papers published in this journal in
the first half of 2025).