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Integrated Pest Management in Agricultural Crops and Forest Ecosystems

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Message from the Collection Editors

Dear Colleagues,

The overuse of synthetic pesticides to control noxious arthropods in agroecosystems is of major importance due to health and environmental issues. Apart from concerns related to the negative impact of pesticides on humans, agricultural or domestic animals and the environment, they can also induce irreversible damage to beneficial organisms (e.g., parasitoids, predators, pollinators), disrupting the overall ecological stability of both forest ecosystems and agroecosystems. This impact is further magnified by the repeated application of insecticides that facilitates the emergence and development of resistance, particularly in agroecosystems. It is thus mandatory to develop alternative, environmentally friendly approaches (e.g., classical biological control, pheromone-based networks, green insecticidal formulations) that can be incorporated into integrated pest management (IPM) in target ecosystems

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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.

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