Special Issue

Behavioral Manipulation for Pest Control

Message from the Guest Editors

The behavioral manipulation of arthropod pests for plant protection requires deep knowledge and strong interaction among many disciplines. In this context, two disciplines, chemical ecology and biotremology, constitute the fulcrum of the system: Behavior and communication, molecules and waves, materials and structure, all of these are pieces of a new expanding universe towards the larger-scale applications of old and new biocontrol techniques for a sustainable crop protection. In this framework, the present Special Issue welcomes original research and reviews about theoretical, laboratory, and field studies on the use of techniques of behavioral manipulation aiming at monitoring, repelling, attracting, and disrupting arthropods of economic importance. Furthermore. studies that concern instrument and device development, strategy implementation, and any other subject that is connected with behavioral manipulation for crop pests control will be considered for publication.

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Deadline for manuscript submissions

closed (30 September 2020)



Insects

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Impact Factor 2.9
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Indexed in PubMed



mdpi.com/si/36049

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Message from the Editor-in-Chief

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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).

