

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.

Guest Editors

Dr. Valerio Mazzoni

Fondazione Edmund Mach, Research and Innovation Center,
Sustainable Ecosystems and Bioresources, San Michele all'Adige, TN,
Italy

Dr. Gianfranco Anfora

Center for Agriculture, Food Environment (C3A), University of Trento,
38010 San Michele all'Adige, Italy

Deadline for manuscript submissions

closed (30 September 2020)



Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



mdpi.com/si/36049

Insects
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
insects@mdpi.com

[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)





Insects

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6
Indexed in PubMed



[mdpi.com/journal/
insects](https://mdpi.com/journal/insects)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Prof. Dr. Brian T. Forschler

Department of Entomology, University of Georgia, 413 Biological
Sciences Building, Athens, GA 30602-2603, USA

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed,
PMC, PubAg, and other databases.

Journal Rank:

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

Rapid Publication:

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).