

## Special Issue

# Natural Substances against Insect Pests: Assets and Liabilities

### Message from the Guest Editor

At present, pests are largely controlled by synthetic pesticides. Although these are effective, their wide use has caused the rise of resistant strains and concerns on human health and on the environment. Many natural substances (NSs) have been recognised as insecticides, repellents and oviposition deterrents. However, even if they represent one of the most promising eco-friendly possibilities against insect pests, some liabilities affect their use. In fact, their use has to face issues around production, formulation, stability and costs. Moreover, their mode of action needs to be elucidated taking into account the induced resistance. Based on the above, we would like to pursue these topics through a Special Issue of the *Insects* journal under the title: "**Natural Substances against Insect Pests: Assets and Liabilities**". Papers on the following indicative topics are welcome:

- NSs isolation, chemical characterization and biochemistry
- NSs bioactivity against harmful insects
- NSs mode of action and induced resistance in insects
- Risks and benefits associated with the use of NSs
- Reviews, regulatory and legislation issues related to the use of NSs

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### Guest Editor

Dr. Barbara Conti

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### Deadline for manuscript submissions

closed (30 September 2020)



## Insects

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## About the Journal

### 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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### Editor-in-Chief

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### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, GEOBASE, 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 18.9 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the second half of 2025).