



## New Trends in Entomology: Monitoring and Data Collection

Guest Editors:

**Dr. Rakefet Sharon**

1. Northern R&D, MIGAL- Galilee Research Institute, Kiryat Sh'mona, Israel  
2. Department of Science & Environment, Ohalo Campus, Tel-Hai College, Upper Galilee, Israel

**Prof. Dr. Ally Rachel Harari**

Department of Entomology, Agricultural Research Organization, The Volcani Center, Bet Dagan 50250, Israel

Deadline for manuscript submissions:

**closed (20 October 2022)**

### Message from the Guest Editors

We are inviting submissions to the Special Issue on monitoring and data collection of pests.

Many efforts are devoted to overcoming the anthropogenic damage to the environment via the excessive implementation of toxic insecticides. Accurate monitoring of pests' population sizes during their life history may allow the use of hazardous insecticides to be reduced. Using a decision support system based on precision agriculture, pest physiology, communication and behavior (chemical, visual, acoustic), GIS technologies, machine learning, etc., may allow accurate data collection and the evaluation of forecast models.

In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of monitoring and data collection of pests. Both theoretical and experimental studies are welcome, as well as comprehensive reviews and survey papers





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/AtApplsci)