

## Special Issue

# Advances in Honeybee and Their Biological and Environmental Threats

### Message from the Guest Editors

This Special Issue, titled "Advances in Honeybee and Their Biological and Environmental Threats", explores the multifaceted nature of apiculture and the complex interactions between managed honeybees, their biological threats, and their environment. Furthermore, this Special Issue wants to collect data on honey bees as crucial agricultural and environmental health bioindicators, offering valuable insights into ecosystem status through their biological responses and behavior. This Special Issue invites original research papers and comprehensive reviews that address the diverse aspects of biological and environmental threats emerging in apiculture, non-managed bee colonies, and wild bees. Contributions that enhance our understanding and propose innovative solutions to the current challenges in this essential sector are highly encouraged.

---

### Guest Editors

**Dr. Franco Mutinelli**

National Reference Laboratory for Honey Bee Health, Istituto Zooprofilattico Sperimentale delle Venezie, Viale dell'Università 10, 35020 Legnaro, Italy

**Dr. Michela Bertola**

National Reference Laboratory for Honey Bee Health, and FAO Reference Centre for Apiculture—Health and Biosecurity, Istituto Zooprofilattico Sperimentale delle Venezie, Viale dell'Università 10, 35020 Legnaro, Italy

---

### Deadline for manuscript submissions

30 September 2025



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/215345](https://mdpi.com/si/215345)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[appls@mdpi.com](mailto:appls@mdpi.com)

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

[appls](https://appls.mdpi.com)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



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



## About the Journal

### 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.

---

### Editor-in-Chief

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

---

### 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )