



## Advances in Pests and Pathogens Treatment and Biological Control

Guest Editors:

**Prof. Dr. Tomasz Krzysztof Oszako**

Department of Forest Protection,  
Forest Research Institute in  
Sękocin Stary, Braci Leśnej 3, 05-  
090 Raszyn, Poland

**Dr. Lassaâd Belbahri**

Laboratory of Soil Biology,  
Department of Biology, University  
of Neuchâtel, 2000 Neuchâtel,  
Switzerland

**Prof. Dr. Justyna A. Nowakowska**

Institute of Biological Sciences,  
Faculty of Biology and  
Environmental Sciences, Cardinal  
Stefan Wyszyński University in  
Warsaw, Wóycickiego 1/3 Street,  
01-938 Warsaw, Poland

Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

The European Commission Directive on Integrated Pest Management (IPM) requires the use of predominantly biological methods of plant protection, in line with society's expectations for the protection of the environment and human health. In this context, the research of new organisms (Biological Control Agents—BCA) with potential to replace existing pesticides is necessary.

For this Special Issue, we are inviting the submission of both review articles and scientific contributions on comprehensive and new approaches to the problem of pest control in agriculture, horticulture and forestry. Practitioners and scientists (geneticists, entomologists, phytopathologists and other disciplines) are encouraged to join the discussion on the implementation of IPM in current practice, the development of new methods based on potential BCAs or other genetic methods (including genetically modified trees—GMT or GMOs). We welcome original research as well as review articles.





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)