





an Open Access Journal by MDPI

## **Entomopathogenic Microorganisms: A Viable Tool for Controlling Serious Pests**

Guest Editors:

#### Dr. Spiridon Mantzoukas

Department of Agriculture, University of Ioannina, 471 00 Arta. Greece

### Prof. Dr. Panagiotis A. Eliopoulos

Department of Agriculture and Agricultural Technology, University of Thessaly, 41110 Larissa, Greece

Deadline for manuscript submissions:

closed (20 May 2022)

#### **Message from the Guest Editors**

Dear Colleagues,

Entomopathogens are microorganisms that are pathogenic to arthropods such as insects, mites, and ticks. Several species differ significantly in their biology and behavior, and hence in their ability to control the population of enemies in each environment. The proper use of entomopathogens requires a good knowledge of the biological cycle of enemies. The pathogenicity caused by the entomopathogens is not the same in all insects, and differs even at each stage of the insect. It is usually larger in the young stages of the insect, especially in the larval stage. The point of entry or growth of a pathogen varies depending on the insect and the entomopathogen. The entomopathogens (usually viruses and bacteria) enter via the oral route, while fungi can invade their host from the insect cuticle. Some entomopathogens are mass-produced in vitro (bacteria, fungi) or in vivo (viruses) and sold commercially. In this Special Issue, we welcome original research as well as review articles.

Dr. Spiridon Mantzoukas Prof. Dr. Panagiotis A. Eliopoulos Guest Editors











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), Inspec, CAPlus / SciFinder, and other databases.

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

#### **Contact Us**