



***insects***



an Open Access Journal by MDPI

## Combining Biological Control and Sterile Insect Technique to Enhance Invasive Pest Species Management

Guest Editors:

**Dr. Massimo Cristofaro**

Biotechnology and Biological  
Control Agency (BBCA), 00123  
Rome, Italy

**Dr. Gianfranco Anfora**

Center for Agriculture, Food  
Environment (C3A), University of  
Trento, 38010 San Michele  
all'Adige, Italy

**Dr. Lloyd Stringer**

Plant & Food Research, Auckland,  
New Zealand

Deadline for manuscript  
submissions:

**closed (30 June 2023)**

### Message from the Guest Editors

Ongoing climate change and globalization-related phenomena are increasing the impact of harmful insects, both native and invasive alien, on multiple aspects of the environment and economy, such as biodiversity, human health, and agriculture. The development of biotechnologies for the sustainable, long-lasting, and large-scale control of such organisms is, therefore, crucial.

Area-wide integrated pest management (AW-IPM) actions involve the integration of background knowledge of the biology of the target pest, its distribution in the selected area to manage and the synergistic application of several control strategies, such as Sterile Insect Technique (SIT), biological control, and other pest suppression methods. Among the control methods, SIT, and Biological Control have a peculiar importance, for their least toxic effects on the environment.

This Special Issue of ***Insects*** will include original research articles and reviews that are addressed to highlight the complementary relationships between sterile insect technique and biological control to improve the suppression or even the eradication of a given target pest species.



[mdpi.com/si/123818](https://mdpi.com/si/123818)

# Special Issue