

## Special Issue

# Unintentional Effects of Pesticide Usage in Non-Target Species

### Message from the Guest Editors

Insecticides are the predominant weapon to protect crops, killing or preventing insects from engaging in destructive behaviors. But once used to fight pests, insecticides may accidentally expose non-pest species, for instance, by contaminating soil and water. They may harm agriculture by contributing to the demise of key pollinator species. This Special Issue focuses on the unintentional effects of pesticide usage on non-pest species. It will fully embrace studies from multiple disciplines (e.g., agricultural sciences, toxicology, genetics and molecular biology, ecology, behavior, and evolution) that examine accidental pesticide impacts extending from the molecular to the behavioral level. Impacts may include, for instance, damage to organelles, cells, or tissues that are not primary targets and may include changes ranging from gene expression level to mating and sleeping patterns of non-target organisms. Studies may investigate pesticides' novel mechanisms of damage at label-recommended doses or sublethal doses that ultimately affect the biology of non-pest species. All types of articles, such as original research, opinions, and reviews, are welcome.

### Guest Editors

Prof. Dr. Nina Wedell

School of BioSciences, The University of Melbourne, Melbourne, VIC 3052, Australia

Dr. Felipe Martelli

School of BioSciences, The University of Melbourne, Melbourne, VIC 3052, Australia

### Deadline for manuscript submissions

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## Agriculture

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

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## About the Journal

### Message from the Editor-in-Chief

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Prof. Dr. Les Copeland  
Sydney Institute of Agriculture, School of Life and Environmental  
Sciences, The University of Sydney, Sydney, NSW 2006, Australia

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