



Pesticide Contamination to Non-target Organisms and Environment in Agroecosystem

Guest Editors:

Dr. Ge Zhang

Department of Entomology,
Washington State University,
Pullman, WA, USA

Prof. Dr. John D. Stark

School of the Environment,
Washington State University,
Puyallup, WA, USA

Deadline for manuscript
submissions:

20 June 2024

Message from the Guest Editors

Pesticides are widely used in agricultural lands to control various pest species and increase crop yields. However, they may adversely affect non-target species. Assessing pesticide toxicity to non-target organisms is a standard process for pesticide registration and environmental protection, but quite often, these studies are conducted on a limited number of surrogate species under laboratory conditions because it is challenging to perform such assessments in nature due to exposure and several risk factors.

This Special Issue seeks to publish papers that address the effects of pesticides on non-target species. Topics can range from exposure levels, toxicity, direct versus indirect effects, risk assessment, and mitigation of pesticide effects at multiple sites and across large geographical areas. Studies that highlight mitigation methods or techniques to reduce exposure (e.g., using appropriate pesticides, dosages, time and application equipment) and increase non-target species' resistance to pesticides via bioremediation techniques (e.g., biochar to absorb pesticides, microbial biodegradation of pesticides) are also welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and
Technology, Parthenope
University of Naples, Centro
Direzionale, Isola C4, 80143
Napoli, Italy
2. State Key Joint Laboratory of
Environment Simulation and
Pollution Control, School of
Environment, Beijing Normal
University, No. 19 Xijiekouwai
Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Author Benefits

Open Access: free for readers, with **article processing charges (APC)** paid by authors or their institutions.

High Visibility: indexed within **Scopus**, **ESCI (Web of Science)**, **PubAg**, **AGRIS**, **GeoRef**, and **other databases**.

Journal Rank: CiteScore - Q1 (*Ecology, Evolution, Behavior and Systematics*)

Contact Us

Environments Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
[X@Environ_MDPI](#)