Special Issue

Pesticide Contamination to Non-target Organisms, the Environment, and Agroecosystems

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. Assesssing 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 mulitple sites and across large geographical areas. Studies that highlight mitigation methods or techniques to reduce exposure (e.g., using appropirate 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.

Guest Editors

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Deadline for manuscript submissions

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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.

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