

Special Issue

Effects of Agricultural Chemicals–Pesticides on Insects and Soil Organisms

Message from the Guest Editors

Agricultural chemical compounds known as pesticides are widely used to combat diseases, pests, and weeds, in order to increase food production, yield foodstuff, and prevent food losses. Pesticides are designed to be toxic with various modes of action; besides being toxic to the target pest species they are intended to control, they are also harmful to non-target organisms. In addition to direct lethal effects, sublethal effects of pesticides on environmental organisms are also common after application in the field. Moreover, due to their long-term and extensive use, pesticide resistance has become one of the challenges of integrating pesticides into an existing integrated pest management (IPM) program. All these effects will substantially impact on the rational scientific use of pesticides in the field. Considering the enormous quantity of newer and a wide variety of modes of action of pesticides applied in agriculture, understanding the potential impacts of pesticides on target or non-target organisms, including pesticide resistance and its mechanisms, has become paramount in the IPM program.

Guest Editors

Dr. Xiaoming Xia

Dr. Youhui Gong

Dr. Ting Li

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Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18,
08034 Barcelona, Spain

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