



Pesticides Exposure and Toxicity

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Message from the Guest Editor

Dear Colleagues,

With increases in the use of agricultural pesticides to continuously improve the quality and yields of crops, the general public can simultaneously be exposed to multiple pesticides through the inhalation of air and the consumption of food and water. The potential health effects have been of great concern. The assessment of co-exposures to multiple pesticides and corresponding health risks will require the integration of toxicological mechanisms of individual pesticides to establish their mode of action for cumulative assessment. Probabilistic cumulative exposure assessment through multiple media and routes can be performed to characterize the variability of exposures and associated risks for the study population. Sensitivity analysis can be simultaneously conducted to identify the significant parameters associated with exposures and risks. Results from these assessments will present the cumulative exposures to multiple pesticides and potential health risks in the daily life of the general public as well as the measures to reduce the exposures and risks.

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Guest Editor





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