

Special Issue

Navigating Pesticide Residues: Safeguarding Agricultural Product Quality

Message from the Guest Editors

Pesticide residues are one of the most important issues affecting agricultural product safety. Following field application, pesticides undergo complex transformations in crops, generating multiple metabolites that complicate comprehensive risk evaluation. The development of agricultural residue control technology is an urgent need for the sustainable development of agriculture. This Special Issue seeks to compile cutting-edge research addressing key aspects of pesticide safety assessment and control. We particularly welcome contributions focusing on (1) novel methodologies for exposure evaluation and risk modelling; (2) metabolic transformation of pesticide residues in edible crops and their fate during agricultural products manufacturing; (3) phytotoxicity mechanisms affecting crop physiology and agricultural product quality; and (4) emerging technologies for residue control to ensure agricultural products safety. Both original research articles and comprehensive review papers are encouraged for submission.

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Editor-in-Chief

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