DESCRIPTION

Provides an overview of the use of mass spectrometry (MS) for the analysis of pesticide residues and their metabolites.

- Presents state-of-the-art MS techniques for the identification of pesticides and their transformation products in food and environment
- Covers important advances in MS techniques including MS instrumentation and chromatographic separations (e.g. UPLC, HILIC, comprehensive GCxGC) and applications
- Illustrates the main sample preparation techniques (SPE, QuEChERS, microextraction) used in combination with MS for the analysis of pesticides
- Describes various established and new ionization techniques as well as the main MS platforms, software tools and mass spectral libraries

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