

Special Issue

Advances in QuEChERS-Based Methodologies for Multiresidue Analysis

Message from the Guest Editors

Originally developed for pesticide residue analysis in food, the QuEChERS (Quick, Easy, Cheap, Effective, Rugged, Safe) methodology has become a widely adopted tool for multiresidue analysis in complex matrices. Its adaptability, simplicity and cost-efficiency make it a cornerstone in sample preparation, enabling reliable detection of pesticides, biocides, veterinary drugs, and persistent organic pollutants. Coupled with LC-MS/MS and GC-MS/MS, QuEChERS enables comprehensive, high-throughput monitoring in food, environmental, agricultural, and biological samples. We especially welcome contributions addressing the following topics:

- Application to emerging contaminants and complex matrices;
- Integration with advanced detection systems (e.g., LC-MS/MS, GC-MS/MS);
- Comparative studies between QuEChERS and alternative extraction methods;
- Validation, standardization, and regulatory aspects;
- Green chemistry approaches and miniaturization strategies.

This Special Issue provides a timely platform to share innovations that reinforce the value of QuEChERS in modern analytical science.

Guest Editors

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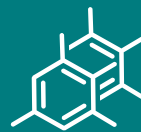
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