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Current Research on Contamination Detection and Quality Assessment Based on GC-MS and HPLC-MS in Foods

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Message from the Guest Editor

In recent years, endocrine disruptors have sparked increasing interest on account of their highly adverse effects on human health and, especially, their ability to induce infertility and cancer. In addition, these contaminants are often present in food packaging plastics and other materials, from which they can migrate into food and water. Regulatory bodies are increasingly concerned with their control, which requires using methods capable of detecting them with high sensitivity, accuracy, and precision. Two additional problems in developing such methods arise from the complexity of food matrices and the fact that endocrine disruptors are usually present at exceptionally low, trace levels in foods. This requires using effective sample treatments to reduce matrix effects and preconcentrate the analytes.

The aim of this Special Issue of Foods is to disseminate novel methods for determining endocrine disruptors and other contaminants potentially present in food, with special emphasis on effective extraction procedures and quantitation with gas chromatography and liquid chromatography coupled to mass spectrometry. Both original research and review articles are welcome.



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Special Issue



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Message from the Editor-in-Chief

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