



## Advances in Detection and Instrument for Environmental Pollutants and Food Monitoring

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### Message from the Guest Editors

Pollutants and contaminants in the environment and food, including organic pollutants, heavy metals, illegal or excessive additives, pesticide residue, and biotoxins, are extremely harmful to our health. The detection of pollutants and contaminants is the foundation of these policies. Conventional methods are mainly based on chromatographic techniques and immunoassays such as gas chromatography combined with mass spectrometry, liquid chromatography combined with mass spectrometry, high-performance liquid chromatography, and enzyme-linked immunosorbent assays. However, these methods are time consuming, expensive, and not easily portable. Recently, some new detection strategies and instruments for environmental pollutants and food monitoring have been developed, such as surface-enhanced Raman spectroscopy, fluorescence, and various miniaturized devices, sensors, and instruments. This Special Issue aims to report on the newest advances in the rapid detection of environmental pollutants and food contaminants, covering active materials, structural designs, sensor or device designs, development of detection methodology, data processing methods, and chemometrics.





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