Special Issue

Advances in Detection and Instrument for Environmental Pollutants and Food Monitoring

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 extemly harmful to our heath. 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.

Guest Editors

Dr. Haibin Tang

Dr. Chuhong Zhu

Dr. Zhongbo Li

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen
Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

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