



Data Science for Environmental Chemical Monitoring

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Message from the Guest Editor

Environmental chemical monitoring is an ever-evolving field that plays a crucial role in understanding and mitigating the impacts of hazardous substances, and in order to address the intricate challenges posed by environmental chemical monitoring, innovative data science approaches are essential. Consequently, this Special Issue aims to gather the latest research advances and provide a forum for scientists, engineers, and practitioners to share their experiences and ideas.

The scope of this Special Issue includes, but is not limited to:

1. Computational mass spectrometry for the analysis of environmental data.
2. Novel prioritization approaches in non-target screening and metagenomics.
3. Statistical methods, machine learning, and data mining techniques for environmental chemical monitoring.
4. Computational models for environmental exposure assessment.
5. New ecotoxicological approaches and their applications in environmental chemical monitoring.
6. Advances in understanding adverse outcome pathways and their impact in ecosystem services.
7. Integrating big data sources into environmental chemical monitoring.
8. Emerging trends and challenges in environmental data science.





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Message from the Editor-in-Chief

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