

Special Issue

Monitoring and Control of Water Pollution for Environmental Sustainability

Message from the Guest Editors

Water is a vital element that supports our lives, animals, and ecosystems. There are many types of pollutants present in water that can harm our ecosystems, such as heavy metals, fertilizers, pesticides, parasites, faecal waste, nitrates, and phosphates, among others. The pollutants can be detected by systematic data collection, including physical, biological and chemical parameters, using lab analysis and advanced sensors. Then, water quality can be analyzed and assessed to identify pollution sources from industrial, agricultural runoff, or household sources. Authorities need to ensure regulatory compliance and inform policy, while control measures should focus on pollutant source reduction and treatments for cleaner water and improved public health. Additionally, modern approaches leverage real-time monitoring, biosensors, nanotechnology, and cloud platforms for faster detection and better management.

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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Editor-in-Chief

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