



water



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Emerging and Persistent Environmental Contaminants: Analysis, Detection, Monitoring and Novel Removal Technologies

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Message from the Guest Editor

The invention of new chemicals or modification of existing chemical structures for the better quality of life in all domains of chemistry on an everyday basis led to the synthesis and usage of various new chemical compounds across the globe. Further, already existing and new evolving chemical compounds are synthesized and released into markets and human usage without the prior evaluation of their fate and toxic effects in the environment. Many chemical pollutants have been reported to be persistent, bioaccumulative, and toxic in various environmental matrices, globally. Detection, analysis, monitoring, toxicity, and life-cycle assessments of persistent pollutants in all environmental compartments including wastewater, surface water, groundwater, and soil is crucial to maintain the quality of water and ecosystems. At the same time, mounting evidence of the existence and accumulation of various persistence pollutants at trace levels has emphasized the demand for advanced research on the fate of persistent pollutants in the environment.



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Special issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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