Special Issue

Application of Electrochemical Technologies in Wastewater Treatment

Message from the Guest Editors

Electrochemical technologies have emerged as clean, promising, versatile, and sustainable approaches for treating various wastewater streams, particularly those with high concentrations of nutrients, organic matter, and emerging contaminants. Electrochemical approaches such as electrocoagulation, electro-oxidation, electroflotation, and electrodialysis offer significant advantages over conventional treatment methods, including compact design, operational flexibility, low chemical demand, and the ability to integrate with renewable energy sources. Recent advances in reactor design, electrode materials, hybrid systems, and process optimization have expanded the applicability of electrochemical treatments across municipal, industrial, and decentralized wastewater systems.

This Special Issue invites original research articles, reviews, and case studies that explore the development, application, and performance evaluation of electrochemical technologies in the domain of wastewater treatment. [...]
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/I3H066MH59

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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.

Editor-in-Chief

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