Special Issue

Electrochemical and Membrane Based Methods for Water and Wastewater Treatment: New Advances

Message from the Guest Editors

The need to meet the ever-increasing water demand while the water supply continues to decrease, which is prompting to develop more flexible water treatment technologies. Compared with other technologies, electrochemical and membrane based water treatment (EMWT) methods offer ways to develop such technologies that feature decentralization and are fit-for-purpose. EMWT methods have multiple advantages: do not require additional chemical reagents, no secondary pollution generation, and are versatile and have low cost. EMWT can be used as independent treatment processes or as part of the approach, including in the main treatment process or pre- or post-treatment step. Moreover, EMWT can be readily modularized as a turnkey unit. Considerable efforts have been devoted to developing EMWT technologies, and huge progress has been achieved recently, especially in combining the two technologies together. The aim of this Special Issue is to present the latest cutting-edge research and perspectives of electrochemical and membrane technologies in water treatment. Both theoretical and experimental studies, comprehensive review and perspectives papers are welcome.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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