



Emerging Materials for Attaining Carbon Neutrality in Water Treatment

Guest Editor:

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submissions:

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Message from the Guest Editor

Dear Colleagues,

For this Special Issue, we are seeking relevant articles presenting new advances in the use of novel materials to achieve sustainable, green and carbon-neutral water treatment. We aim to address the following questions: Can wastewater treatment applications be expanded to recovering resources such as nutrients or energy? Can unused materials be used for this purpose? By thinking globally and acting locally to support a circular economy (CE), resource recovery by using industrial/agricultural byproducts to remove another form of waste through an engineering approach can protect the environment and conserve resources.

Topics of interest for this Special Issue include, but are not limited to: Carbon neutrality and aquatic ecosystem remediation; Waste valorization and its reuse; Reduction in carbon intensity and operational cost of wastewater treatment; Advanced wastewater treatment process; Energy recovery from wastewater treatment; Nutrient recovery from municipal wastewater; Greenhouse gas emission reduction during wastewater treatment; Global water sustainability; Water-enabled electricity generation.





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Message from the Editor-in-Chief

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