

## Special Issue

# Advances in the Removal of Pollutants in Wastewater

### Message from the Guest Editors

Rapid population growth has seen a rise in industrialization and the concomitant generation of a range of pollutants. Thus, polluted wastewaters end up in the aquatic environment and pose ecological and human health risks. Some of these pollutants are recalcitrant to treatment. Adsorption is an effective wastewater treatment method. Apart from being cost-effective, it uses materials that are easy to synthesize, can be tailored to target particular pollutants, and can be regenerated for multiple reuses. Besides this, adsorption methods are easily integrated with other methods to completely mineralize pollutants. The use of nanomaterials for the removal of pollutants is effective owing to their desirable properties, arising due to their smallness of size. This Special Issue aims to: (1) discuss different nanomaterial synthesis and characterization methods (2) evaluate the effectiveness of nanomaterials in water treatment (3) identify research gaps and recommend future research directions on the use of nanomaterials in wastewater treatment.

### Guest Editors

Dr. Nhamo Chaukura

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### Deadline for manuscript submissions

closed (1 July 2023)



## Applied Sciences

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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.

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### Editor-in-Chief

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