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Functional Materials in Water and Wastewater Treatment/Soil Remediation

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Deadline for manuscript submissions:
closed (30 June 2020)

Message from the Guest Editors

Application of functional environmental materials, both natural and synthetic, is becoming increasingly popular in water purification and soil remediation. it is necessary to develop efficient and economic technologies for large-scale water and soil treatment. One way of doing this is the application of functional environmental materials, and it is expected to greatly enhance the efficiency of traditional treatment processes, thereby facilitating improvement in water and soil quality.

The functional environmental materials for water purification and soil remediation can be divided into four categories: (1) Adsorbent, (2) ion-exchange material, (3) catalytic oxidation material, and (4) stabilizing agents. These materials include natural clay minerals with and/or without treatment, synthetic materials such as activated carbon, ferric hydroxide, activated alumina, biochars, photocatalysts, synthetic fiber mats, and their composites. In this Special Issue, we invite you to submit manuscripts on various functional environmental materials for water/wastewater treatment and soil remediation.

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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.

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