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Water Pollution Control Using Clay Minerals and Agricultural Biomass-Based Adsorbents

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Deadline for manuscript submissions:
closed (25 November 2019)

Message from the Guest Editor

The Special Issue entitled "Water Pollution Control Using Clay Minerals and Agricultural Biomass-Based Adsorbents" aims at the publication of original research or review papers on the removal of inorganic/organic pollutants from water using various non-conventional, alternative, cost-effective adsorbents derived from natural biomass and clay minerals. Specifically, the topics of this special issue include, but are not restricted to:

- Occurrence and sources of pollutants in water and wastewaters and their implications in health/environment
- The synthesis, characteristics of biomass adsorbents, clay minerals and new emerging alternative adsorbents, composite adsorbents and their adsorptive effectiveness in water purification under various physicochemical process parameters
- Kinetics, thermodynamics and equilibrium: experimental data, novel theories, and models
- Adsorption calculations and modelling
- Continuous column process and process design: packed bed and moving bed systems, experiments and dynamic modelling

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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.

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