

Special Issue

Adsorption Technology for Water and Wastewater Treatments

Message from the Guest Editor

The presence of pollutants in water has a negative impact on the environment and presents a potential health risk for inhabitants. Among the existing technologies for removing them from water, adsorption has garnered some interest due to: low cost, fast removal, and being highly reusable. The Special Issue (SI) aims to establish updated information on adsorption technology for water and wastewater treatments. The submissions selected for this SI should focus on: (1) applying reality technology for water and wastewater treatments and (2) exploring detail adsorption mechanisms by current data (i.e., comparing the properties changes of adsorbents before and after adsorption). Adsorption studies should include the effects of some important operating parameters (contact time, pH, NaCl, adsorbate concentration, co-existence of other competitive solutes, temperature, etc.) and the cycles of adsorption/desorption. Adsorption column studies are always encouraged. Various synthetic and natural materials, composites, and nanomaterials are well fitted to the scopes of this SI.

Guest Editor

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

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