



Novel Approaches in Hydrothermal Biomass and Wastewater Recycling

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Message from the Guest Editors

Wet biomass is generated in large quantities through different raw material transformation activities and is considered waste. Wastewater treatment plants generate a significant amount of agro-industrial biomass in the form of biological sludge or, alternatively, biomass is generated from phytoremediation technologies. There are various biomass transformation processes extant today, but hydrothermal processes are attracting attention, since they are processes that use water, pressure and temperature to convert biomass into valuable products and biofuel. This Special Issue focuses on the state of knowledge on the novel approaches in hydrothermal biomass and wastewater recycling and will publish high-quality papers, from the overlapping fields of:

Hydrothermal pretreatment of wet biomass of different sources

Hydrothermal carbonization process for hydrochar production

Hydrothermal liquefaction of different biomasses

Biomass recycling through hydrothermal processes

Wastewater treatment and reuse

Bioadsorbents from agroindustrial residues for emergent pollutants

Reuse of biomass produced in constructed wetlands





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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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