Special Issue

Advances in Hydrothermal Carbonization

Message from the Guest Editors

Studies in the steadily growing literature evidence that biomass hydrothermal carbonization has become a central process for developing sustainable waste-to-value conversions. The flexibility of HTC allows the integration of the reactor into more complex process schemes and treating high moisture and inherently variable substrates. HTC could reduce the environmental impact of biomass exploitation, both as a pretreatment stage of the feedstocks destined for other conversions and as a downstream process for reducing effluents' dangerousness. Valuable liquid-phase platform chemicals could be recovered, taking advantage of the relative mildness of hydrothermal carbonization conditions. New specialized uses of the solid hydrochar for high value-added, non-energy chains appear more frequently in the literature. Based on this scenario, this Special Issue is open to submissions addressing a range of HTC topics of interest.

Guest Editors

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Deadline for manuscript submissions

closed (20 October 2021)

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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.

Editor-in-Chief

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