

Special Issue

Recent Advances in Hydrothermal Carbonization, Hydrothermal Liquefaction, and Supercritical Water Gasification

Message from the Guest Editor

This Special Issue will deal with recent advancements in HTC, HTL, and SCWG. Topics of interest for the publication include, but are not limited to, the following:

- Co-hydrothermal carbonization of mixed wastes, including plastics.
- Hydrothermal liquefaction of wet wastes, including plastics.
- Supercritical water gasification of wet wastes.
- Catalytic hydrothermal treatments.
- Bio-oil upgrading to sustainable aviation fuels and sustainable marine fuels.
- Integration of hydrothermal treatment with existing or emerging processes.
- Hydrothermal process simulation, optimization, and scale-up.
- Valorization of hydrothermal process liquid.
- Nutrient recovery by hydrothermal treatment.
- Carbon sequestration.
- Emerging pollutants including PFAS removal from water by activated char
- Life-cycle analysis.
- Techno-economic assessment.
- Role of hydrothermal treatments on circular bioeconomy.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2024)



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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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