

Special Issue

Advances in Biomass Co-combustion with Alternative Fuels

Message from the Guest Editors

Climate change is prompting production systems to shift from a fossil-based economy to a carbon neutral one. In this context, biomass can play an important role if wisely exploited. Biomass is widely available and uniformly distributed worldwide and can provide a sustainable source of energy with the advantage of being less intermittent and more programmable compared to solar and wind power. There are different ways to use biomass as fuel such as direct combustion, co-combustion with alternative fuels (e.g., fossil fuels), gasification, etc. This Special Issue aims to address the combined use of biomasses with different fuels in order to identify the issues and possible solutions of the technology as well as to explore possible new scenarios. The main research topics are:

- Biomass and coal co-combustion;
- Biomass and gas co-combustion;
- Co-combustion with producer gas from biomass gasification

Keywords

- co-combustion
- biomass
- co-firing
- bioenergy
- fuel

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