



Bioenergy and Waste-to-Energy Technologies to Reach Climate Neutrality

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Message from the Guest Editors

This Special Issue aims at investigating such unclear aspects, with analysis of novel solutions, as well as review papers with state-of-the-art findings that can deliver a significant contribution in assessing the potentials and implications of BECCS technologies. Even though the Special Issue is open to all contributions related to bioenergy, waste-to-energy, and their impact on climate change, potential focus areas are summarized as the following:

- Carbon capture techniques applicable to bioenergy and waste-to-energy systems;
- Assessments of GHG impacts also through life cycle assessment (LCA);
- Comparative analysis of different options, also entailing economic implications;
- Technologies applicable to specific streams (e.g., residual biomass, food waste, sewage sludge, sanitary waste);
- Gasification and pyrolysis associated with pre-combustion carbon capture techniques;
- Oxygen based thermal processes (e.g., oxy-combustion, chemical looping);
- Upgrading and conversion of biogas;





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Message from the Editor-in-Chief

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