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# **New Challenges in Biomass Energy Conversion**

Guest Editor:

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## Message from the Guest Editor

In order to meet 1.5°C climate change targets, a transition from fossil-fuel-based to renewable-based energy systems is essential. Biomass is a promising renewable energy source derived from a variety of sources, including wood, agricultural residues, sewage sludge, and food waste, etc.

This Special Issue, entitled "New challenges in biomass energy conversion", presents new ideas and research findings in the field of biomass energy conversion that contribute to achieving the 1.5°C climate change target.

New challenges in biomass energy conversion include, but are not limited to, biomass energy conversion technologies, electricity and heat production, gasification, biofuels, biomass-based energy systems, transportation systems, biomass energy supply chains, energy potentials, and the environmental assessment of biomass energy.

- biomass
- energy conversion
- electricity and heat production
- biofuel
- wood, agricultural residue
- environmental assessment











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# **Message from the Editor-in-Chief**

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