# **Special Issue**

### Catalytic Improvement of Biomass Gasification Process

### Message from the Guest Editors

Gasification, one of the major thermochemical conversion methods, is becoming a promising technology for biomass utilization with a positive environmental impact. Its versatile role in contributing to the demand for heat, electricity and syngas has gualified it as a decentralized energy conversion option. Its significant advantages in terms of renewability, carbon neutrality and high efficiency render this technology highly popular in countries with strong support for renewables and unused biomass. The use of the catalytic approach to improve the biomass gasification process has been widely researched in academia and applied in industry, ranging from feedstock pretreatment, gas-solid-liquid product distribution, in situ and ex situ tar abatement, gas composition regulation and downstream upgrading. This Special Issue on "Catalytic Improvement of Biomass Gasification Process" welcomes submissions on novel catalytic findings related to the biomass gasification process.

### **Guest Editors**

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Deadline for manuscript submissions 27 February 2026



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