

## Special Issue

# Advances in Sustainable Bioenergy Production and Biomass Waste Reutilization

### Message from the Guest Editors

Biomass as a renewable bioenergy source is becoming increasingly critical lately, due to the impacts of fossil fuels to our environment and ecosystem. However, there are still technological challenges that need to be overcome with regard to the processing and conversion of biomass to bioenergy to ensure its viability in terms of being both economical and sustainable. Ample research works have attempted to develop advancements in sustainable bioenergy production. In particular, biomass waste recycling has also been identified as one of the key enablers of sustainable bioenergy production, which ensures the concept of the circular economy is attained in a more holistic manner.

This Special Issue aims to collect the latest advancements in sustainable bioenergy production in various aspects including biomass waste recycling and reutilization.. Relevant topics includes but is not limited to:

- Bioenergy and Biofuels
- Biomass reutilization
- Process intensification
- Life cycle assessment
- Circular economy
- Biorefinery
- Biomass
- Wastewater treatment
- Energy storage
- Energy saving
- Biochar
- Thermochemical conversion
- Process design and optimization

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### Guest Editors

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Dr. Shuit Siew Hoong

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