

## Special Issue

# Innovative Utilization of Biomass for Sustainable Energy Production

### Message from the Guest Editor

This Special Issue explores groundbreaking research and advancements in converting biomass, particularly agro-waste, into sustainable energy and high-value products. Emphasizing innovative technologies and methodologies, it covers topics such as advanced biomass-conversion techniques, biofuel production, thermochemical and biochemical processes, and the integration of biomass energy systems with other renewables. Additionally, it addresses environmental impact assessments, supply chain innovations, and economic perspectives. By highlighting these areas, this Special Issue aims to foster interdisciplinary approaches and practical applications that contribute significantly to sustainable energy solutions and the valorization of biomass. Please find the special issue website below for more information:

[https://www.mdpi.com/journal/materials/special\\_issues/O2F08291UH](https://www.mdpi.com/journal/materials/special_issues/O2F08291UH)

### Guest Editor

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### Deadline for manuscript submissions

closed (20 October 2025)



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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