

## Special Issue

# Innovations in Renewable Methane Production from Biomass and Waste

### Message from the Guest Editor

We are pleased to announce the launch of this Special Issue, “Innovations in Renewable Methane Production from Biomass and Waste”, to be published in *Processes*, an open-access MDPI journal dedicated to advancing research in sustainable energy and environmental technologies. We invite original research articles, comprehensive reviews, and practical case studies on topics including, but not limited to, the following:

- Advanced pretreatment strategies for lignocellulosic biomass;

- Innovations in anaerobic digestion modeling and reactor engineering;

- Biogas upgrading, methanation, and catalytic conversion processes;

- Integration of machine learning and data-driven optimization in biogas systems;

- Life cycle assessment (LCA) and techno-economic evaluation;

- Policy, regulatory, and distribution frameworks for biomethane deployment.

We look forward to receiving your high-quality contributions, which will help shape the next generation of renewable methane technologies and accelerate the transition to a low-carbon future.

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### Guest Editor

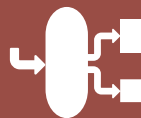
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### Deadline for manuscript submissions

31 March 2026



## Processes

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## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Giancarlo Cravotto

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