

Special Issue

Hydrothermal Treatment in Biomass

Message from the Guest Editor

As a sustainable and renewable resource, all types of biomass have great potential for conversion to biofuels and bioproducts. Preparing biomass for transformation to products requires initial treatment. Using environmentally friendly biomass treatments is important to global health. Hydrothermal treatment uses water as opposed to solvents that are volatile organic compounds, making the process biofriendly. Creating new hydrothermal treatments and optimizing these treatments for different kinds of biomass is essential for biomass use as a resource. This Special Issue will showcase the various means, mechanisms, and optimization of different biomass hydrothermal treatment. Keywords

- biomass conversion technologies
- processing optimization
- environmental protection
- hydrothermal carbonization
- hydrothermal liquefaction
- biomass pretreatment
- fuel

Guest Editor

Dr. Joan G. Lynam

Department of Chemical Engineering, Louisiana Tech University, 818 Nelson Ave., P.O. Box 10157, Ruston, LA 71272, USA

Deadline for manuscript submissions

closed (20 November 2023)



Biomass

an Open Access Journal
by MDPI

Impact Factor 6.1
CiteScore 6.7



mdpi.com/si/120758

Biomass
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomass@mdpi.com

[mdpi.com/journal/
biomass](https://mdpi.com/journal/biomass)





Biomass

an Open Access Journal
by MDPI

Impact Factor 6.1
CiteScore 6.7



[mdpi.com/journal/
biomass](https://mdpi.com/journal/biomass)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Dimitris P. Makris
Department of Agriculture, Hellenic Mediterranean University (H.M.U.)
Estavromenos, 71410 Heraklion, Greece

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, EBSCO,
and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 19.3 days after
submission; acceptance to publication is undertaken in 7.7
days (median values for papers published in this journal in
the first half of 2026).

Journal Rank:

JCR - Q1 (Engineering, Chemical) / CiteScore - Q1 (Forestry)