



Conversion of Residual Biomass Energy to Power Generation

Guest Editors:

Prof. Dr. Laura Vanoli

Dipartimento di Ingegneria,
Università degli Studi di Napoli
"Parthenope", Centro
Direzionale, Isola C4, 80143
Naples, Italy

Dr. Fausto Arpino

Department of Civil and
Mechanical Engineering,
Università di Cassino e del Lazio
Meridionale, Cassino, Italy

Dr. Simona Di Fraia

Department of Engineering,
University of Napoli
"Parthenope", 80143 Napoli, Italy

Message from the Guest Editors

Using biomass for energy production is becoming more and more attractive, especially in the electricity and transport sectors. Indeed, bioenergy represents a long-term measure to reduce the use of fossil fuels, decreasing at the same time greenhouse gas emissions and their contribution to climate change. This, together with the increasing cost of fossil fuels and the growing need for a secure energy source, has stressed the progress in biomass-based technologies, which are recognized as efficient, reliable, and environmentally friendly. In fact, unlike the other renewables, biomass can be stored and used to produce energy only when it is needed. Moreover, biomass is locally available, contributing to energy independence and regional social and economic development. Indeed, energy from biomass is the main source of renewable energy, with a share higher than 60%.

Deadline for manuscript
submissions:

closed (31 May 2024)





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE](#) and [SSCI \(Web of Science\)](#), [GEOBASE](#), [GeoRef](#), [Inspec](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

Contact Us

Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](https://twitter.com/Sus_MDPI)