



resources



an Open Access Journal by MDPI

Waste-to-Energy Systems in Standalone, Integrated and Hybrid Configurations

Guest Editors:

Dr. Michela Costa

Istituto di Scienze e Tecnologie
per l'Energia e la Mobilità
Sostenibili, CNR STEMS, Via
Guglielmo Marconi, 4–80125
Naples, Italy

Dr. Daniele Piazzullo

Istituto di Scienze e Tecnologie
per l'Energia e la Mobilità
Sostenibili, CNR STEMS, Via
Guglielmo Marconi, 4 – 80125
Naples, Italy

Deadline for manuscript
submissions:

closed (15 June 2021)

Message from the Guest Editors

The need to resort increasingly to renewable energy sources is currently forcing governments and distribution network service providers (DNSPs) to grapple with how to manage the costs of electricity supply with the prospect of distributed generation while still meeting the social objectives of access and affordability in remote areas.

Actions must be therefore undertaken toward a more intensive exploitation of bioenergy, in standalone configurations or by multi-source-integrated systems along with solar, wind, and hydro power. Resorting to off-grid solutions of hybrid energy generation and storage today constitutes a viable route not only to supply services to remote districts but also to lower the load over national networks and to increase the resilience of territories exposed to natural disasters or climate change effects.

Submissions addressing technical and economic challenges to a more rationale and sustainable use of resources, especially of residual materials, that discuss costs of management and disposal are welcome.



mdpi.com/si/40788

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Damien Giurco

Institute for Sustainable Futures,
University of Technology Sydney,
P.O. Box 123 Broadway, NSW
2007, Australia

Message from the Editor-in-Chief

Responsible prosperity is underpinned by sustained access to resources. *Resources*, publishes excellent science and scholarship which transforms understanding, practices and policies for conserving all natural resources—from water, land and air; to plant and animal biodiversity; to minerals and energy and their interconnection across scales. Significantly, we invite high quality submissions from natural and social sciences.

Build impact from your research by submitting to *Resources*, an open-access journal connecting you with data, insights, ideas and evidence needed to shape a better world.

Author Benefits

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

High Visibility: indexed within Scopus, ESCI (Web of Science), GeoRef, PubAg, AGRIS, RePEc, and other databases.

Journal Rank: CiteScore - Q1 (*Nature and Landscape Conservation*)

Contact Us

Resources Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/resources
resources@mdpi.com
[X@resources_mdpi](https://x.com/resources_mdpi)