



## Small Scale Energy from Waste and Biomass

Guest Editors:

**Prof. Dr. Ben J. Anthony**

Energy and Environmental  
Chemistry Centre for Bioenergy &  
Resource Management, Cranfield  
University, Bedford MK43 0AL, UK

**Dr. Stuart Wagland**

School of Water, Energy and  
Environment, Cranfield  
University, Cranfield MK43 0AL,  
UK

Deadline for manuscript  
submissions:

**closed (28 February 2020)**

### Message from the Guest Editors

Dear Colleagues,

The recovery of energy from waste and biomass has picked up pace globally in recent years, with large-scale facilities being developed commercially. Waste-to-energy processes typically require an annual feedstock of over 200 kpta, which is well-suited to densely populated areas/regions. This Special Issue seeks to publish the state-of-the-art research in smaller technologies which could be deployed at a town scale, where other opportunities and benefits may arise. These could include the production of liquid fuels and chemicals, reduced carbon impacts due to reduced feedstock transportation, small-scale carbon-capture and storage, etc.

Prof. Dr. Ben Anthony

Dr. Stuart Wagland

*Guest Editors*

### Keywords

- waste-to-energy
- thermal processes
- circular economy





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

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

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

## Contact Us

*Applied Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
X@Applsci