



## Research Progress in Waste Resource Utilization

Guest Editors:

**Dr. Eleni Kastanaki**

School of Chemical and  
Environmental Engineering,  
Technical University of Crete,  
Chania, Greece

**Dr. Kaixin Li**

School of Materials and Energy,  
Guangdong University of  
Technology, Guangzhou 510006,  
China

Deadline for manuscript  
submissions:

**20 June 2024**

### Message from the Guest Editors

Rapid economic and population growth, as well as previous waste disposal patterns, have caused the generation of large amounts of solid waste from all kinds of activities (domestic, industrial, agricultural, other). The current waste management practices recognize waste as a value-added ‘resource’. New or improved technologies aiming at resource recovery and utilization are challenging but necessary for the transition to a prosperous and sustainable society. The topics of this Special Issue include but are not limited to the following: Waste recycling;

Resource recovery;

Novel technologies in waste treatment;

Electric and electronic waste;

Construction waste;

Environmental impact assessment of waste management.

This Special Issue aims to publish research contributions illustrating the recent research achievements and progress in waste resource utilization. It calls for original research, reviews and communications including perspectives on the current state of waste utilization and resource recovery.





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