



*processes*

an Open Access Journal by MDPI



## Recycling and Evaluation of Environmental Waste

Guest Editors:

**Dr. Andrey A. Kovalev**

Federal Scientific  
Agroengineering Center VIM,  
Moscow 109428, Russia

**Dr. Vivekanand Vivekanand**

Centre for Energy and  
Environment, Malaviya National  
Institute of Technology Jaipur,  
Jaipur 302017, Rajasthan, India

**Dr. Yuriy Litti**

Federal Research Center  
“Fundamentals of  
Biotechnology” of the Russian  
Academy of Sciences, Leninsky  
Prospekt, 33, 2, Moscow 119071,  
Russia

Deadline for manuscript  
submissions:

**closed (29 April 2024)**

### Message from the Guest Editors

In recent years, the energy crisis has become a major problem due to population growth, high living standards and industrialization. The overuse of fossil fuels is a major cause of the depletion of and rising prices for these fuels. In addition, negative environmental and climate impacts are associated with emissions such as carbon dioxide, nitrogen oxides, sulfur dioxide, particulate matter, smoke and unburned hydrocarbons. Population growth, a high standard of living and industrialization have increased the volume of production and consumption waste. Considering the current developments, it will be necessary to adopt intelligent control and emission estimation methods, as well as energy-efficient equipment for energy conversion and waste disposal as technical solutions.

This Special Issue, entitled “Recycling and Evaluation of Environmental Waste”, invites the submission high-quality papers from researchers on the latest advances in the modeling, simulation, optimization, control and application of all types of components and systems aimed at reducing environmental emissions and qualitatively quantifying and recycling existing and produced environmental waste.



[mdpi.com/si/162089](https://mdpi.com/si/162089)

# Special Issue



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Giancarlo Cravotto**

Department of Drug Science and  
Technology, University of Turin,  
Via P. Giuria 9, 10125 Turin, Italy

## Message from the Editor-in-Chief

You are invited to contribute either a research article or a comprehensive review for consideration and publication in *Processes* (ISSN 2227-9717). *Processes* is published in open access format – research articles, reviews, and other content are released on the internet immediately after acceptance. The scientific community and the general public have unlimited, free access to the content. As an open access journal, *Processes* is supported by the authors and their institutes through the payment of article processing charges (APCs) for accepted papers. We would be pleased to welcome you as one of our authors.

## 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), Ei Compendex, Inspec, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Chemical*) / CiteScore - Q2 (*Chemical Engineering (miscellaneous)*)

## Contact Us

---

*Processes* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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

[mdpi.com/journal/processes](http://mdpi.com/journal/processes)  
[processes@mdpi.com](mailto:processes@mdpi.com)  
[X@Processes\\_MDPI](https://twitter.com/Processes_MDPI)