



## **Biomass, Coal and Other Solid Fuels: Thermal Conversion, Emission and Pollutant Control**

Guest Editors:

**Dr. Hengda Han**

**Dr. Zhifeng Hu**

**Dr. Shuai Guo**

**Dr. Mohamed Moustafa Saad**

Deadline for manuscript  
submissions:

**20 January 2025**

### **Message from the Guest Editors**

Solid fuels, encompassing biomass, coal and other solid waste, are indispensable as energy and chemical resources in numerous regions worldwide. Promoting the thermal conversion of these fuels in a safe, efficient and targeted manner holds utmost importance for achieving sustainability and economic prosperity. Furthermore, it is imperative to effectively manage emissions and pollutants, including CO<sub>2</sub>, NO<sub>x</sub>, SO<sub>x</sub>, VOCs and trace elements, to safeguard the environment and human health.

This Special Issue on “Biomass, Coal and Other Solid Fuels: Thermal Conversion, Emission and Pollutant Control” seeks high-quality research focusing on the latest novel conversion, emission and pollutant control technology for solid fuels.

Topics include, but are not limited to, the following:

- Experimental research on incineration, pyrolysis, gasification, reforming and chemical looping combustion.
- Economic and life cycle evaluation of thermal conversion process.
- Reviews and comments on latest and advanced thermal conversion development.
- Emission and pollutant control during the thermal conversion





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, St. Alban-Anlage 66  
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)