



Materials and Processes for Sustainable Energy and Environmental Systems

Guest Editor:

Prof. Dr. Natalia Howaniec

Department of Energy Saving and Air Protection, Central Mining Institute, Pl. Gwarkow 1, 40-166 Katowice, Poland

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Message from the Guest Editor

The aim of this Special Issue entitled “Materials and Processes for Sustainable Energy and Environmental Systems” is to present the recent advancements in various aspects related to materials and processes contributing to the creation of sustainable power systems and environmental solutions, particularly applicable to clean energy developments. These include materials and engineering processes for clean coal technologies, carbon capture and utilization, hydrogen economy, functional carbon materials, advanced energy materials, as well as waste and by-products valorization in energy systems and environmental engineering.

The authors of full research papers, communications, and review papers are invited to contribute to this Special Issue.

Keywords

- clean energy systems
- carbon capture and utilization
- clean coal technologies
- hydrogen economy
- carbon materials for energy and environmental applications
- energy materials
- waste and by-products valorization in energy and environmental systems





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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