Special Issue

Energy Recovery and Waste Management in Power Plants and Waste Incineration Plant

Message from the Guest Editor

Critical raw materials are those raw materials that are economically and strategically important for the industry, both in the short term and in the long term, but have a high-risk associated with their supply. Critical elements are extremely rare, yet they are essential for the development of industrial technologies. The search for alternative sources of elements and critical raw materials is being carried out on a large scale all over the world. The recovery of these resources from waste is one of the main goals of the so-called urban mining and circular economy. Potential topics of this special issue include, but are not limited to critical raw materials in coal combustion waste from slags and fly ash, critical raw materials in gasification waste, critical raw materials in waste from municipal waste incineration plants, critical raw materials in waste from biomass combustion, methods of recovering critical raw materials and metals from waste, mineralogy and petrography, the chemical composition of waste, and the analysis of the possibility of recovering critical raw materials from waste heaps.

Guest Editor

Dr. Barbara Bielowicz

Faculty of Geology, Geophysics and Environment Protection, AGH University of Science and Technology, Al. Mickiewicza 30, 30-059 Kraków, Poland

Deadline for manuscript submissions

closed (28 September 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/95631

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)

MDPI