



Improving the Sustainability of Industrial Operations Through Cleaner Production and Energy Efficiency

Guest Editors:

Prof. Dr. Bruce Dvorak

Department of Civil and
Environmental Engineering,
University of Nebraska-Lincoln,
Lincoln, NE 68588, USA

Prof. Dr. Robert Williams

Department of Civil and
Environmental Engineering,
University of Nebraska-Lincoln,
Lincoln, NE 68588, USA

Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue seeks original, unpublished papers that describe recent advances in improving the sustainability of industrial operations.

Papers may relate to technical topics associated with energy efficiency, cleaner production, and sustainability in industry. Both theoretical and case study papers are welcome. Example of topics include (i) novel methods of reducing energy use in industry, (ii) practice approaches to decarbonization, (iii) innovations for material substitution and for increasing the life of auxiliary materials and process liquids, (iv) novel reuse of wastes, (v) innovative processes and technologies, (vi) applications of lifecycle assessment, (vii) assessment of barriers to implementation within industry, (viii) business management tools, (ix) case studies of successful programs that result in for energy efficiency/sustainability implementation, and (x) innovative educational approaches related to energy efficiency and sustainability in industry. We especially invite papers that take an interdisciplinary approach to considering the social and economic aspects of successful application of pollution prevention and sustainability in industry.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergio Ulgiati

1. Department of Science and
Technology, Parthenope
University of Naples, Centro
Direzionale, Isola C4, 80143
Napoli, Italy
2. School of Environment, State
Key Joint Laboratory of
Environment Simulation and
Pollution Control, Beijing Normal
University, No. 19 Xijiekouwai
Street, Beijing 100875, China

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [ESCI \(Web of Science\)](#), [PubAg](#), [AGRIS](#), [GeoRef](#), and [other databases](#).

Journal Rank: JCR - Q2 (Environmental Sciences) / CiteScore - Q1 (Ecology, Evolution, Behavior and Systematics)

Contact Us

Environments Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/environments
environments@mdpi.com
[X@Environ_MDPI](#)