

Special Issue

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

Message from the Guest Editors

This Special Issue seeks original, unpublished papers that describe recent advances in improving the sustainability of industrial operations.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

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)



Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



mdpi.com/si/96862

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

[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)





Environments

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 5.7



[mdpi.com/journal/
environments](https://mdpi.com/journal/environments)



About the Journal

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.

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

Author Benefits

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)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.4 days (median values for papers published in this journal in the first half of 2025).