

Special Issue

Advancing Sustainability in the Upstream Oil and Gas Industry: Waste Valorization, Emission Control, and Environmental Management

Message from the Guest Editors

- This Special Issue aims to compile pioneering research addressing the sustainability challenges faced by the oil and gas industry, focusing on advancing waste valorization, emissions reduction, resource optimization, and process efficiency. This Special Issue will highlight innovative strategies that not only mitigate the environmental impacts of upstream and downstream oil and gas activities, but also align with broader sustainability objectives, such as resource efficiency, pollution control, and the transition to a circular economy. By emphasizing interdisciplinary approaches that integrate engineering, chemistry, geology, and environmental science, this Special Issue will present holistic solutions that can be incorporated into petroleum and gas operations to enhance their sustainability, efficiency, and environmental responsibility.
- Through interdisciplinary insights and groundbreaking research, this Special Issue will contribute to advancing scientific discourse on sustainable practices in the petroleum and gas sectors, providing both industry and academia with pathways to a cleaner, more sustainable energy production system.

Guest Editors

Prof. Dr. Rosa Rodriguez

Prof. Dr. Germán Mazza

Dr. Andrés Reyes Urrutia

Dr. Daniela Zalazar-García

Deadline for manuscript submissions

31 January 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8



mdpi.com/si/226805

Sustainability
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 6.8



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



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, AGRIS, RePEc, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)