

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

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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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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. Steve W. Lyon

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