

## 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

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### Deadline for manuscript submissions

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### Editor-in-Chief

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