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### Special Issue on “Offshore Carbon Capture, Utilization, and Storage”

#### Editors: Prof. Jianghui Li, Prof. Qi Li, Prof. Xi Liang, Dr. Pengchun Li, and Dr. Qingping Li

Climate change, caused by anthropogenic CO2 and other greenhouse gas emissions, is one of the most urgent and extensive global threats confronting us today. The need to reduce emissions rapidly has prompted a growing interest in CO2 capture, utilization, and storage (CCUS). However, there are many technical and non-technical challenges associated with implementing CCUS technologies, particularly offshore. These include issues associated with long-term liabilities, various engineering and ecological concerns, as well as public acceptance. The offshore CCUS industry has been actively implementing several actions aiming at preventing anthropogenic CO2 from entering into the atmosphere and more need to continue being implemented.

This special issue aims to collect in a single location the contributions that will allow an overview of the present state-of-the-art in this subject area.

##### **Topics of interest include (but not limited to)**

* Strategic vision for offshore CCUS
* Coastal and offshore CO2 stream processing
* Retrofit of power plants in coastal region
* Coastal and offshore CO2 transportation
* Offshore drilling & completion technology
* Sustainable offshore CO2 utilization and storage
* Modeling and monitoring of sub-sea CO2 storage reservoirs
* Renewable energy resources for offshore CCUS
* Engineering design, testing, and integration of technologies for offshore CCUS

##### **Schedule**

It is aimed to have the articles submitted by November 2023 so as to have the special issue published in the middle of 2024.

##### **Submission Guidelines**

Submitted articles must not have been previously published or currently submitted for journal publication elsewhere. Paper submissions must conform to the layout and format guidelines of the journal.

Submissions must be sent via the journal submission website

<https://mc03.manuscriptcentral.com/jmsa>

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