

## Special Issue

# Carbon Capture Utilization and Sequestration (CCUS)

### Message from the Guest Editors

In the last few years, the greenhouse gas concentration in the atmosphere has increased. Carbon dioxide is considered one of the major contributors to greenhouse effects and climate change. In order to reduce CO<sub>2</sub> emissions, and the industry dependence on fossil fuels, it is necessary to develop technologies that combine capture and valorization processes to an adequate purity. Membrane technology has attracted extensive research and development as alternative clean CO<sub>2</sub> capture processes. Regarding the valorization of CO<sub>2</sub>, electrochemical reduction of CO<sub>2</sub> has been studied recently at the laboratory scale as a potential means of converting CO<sub>2</sub> from flue gases to high added value chemicals and fuels. This Special Issue thus serves the need to promote exploratory research and development on CO<sub>2</sub> capture and utilization techniques, while addressing their challenges from a sustainable perspective.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 July 2018)



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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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