

## Special Issue

# Catalytic, Photocatalytic and Electrocatalytic Processes for the Valorisation of CO<sub>2</sub>

### Message from the Guest Editors

Increasing attention is paid to develop effective technologies for the sequestration of CO<sub>2</sub> and its storage. In a virtuous view, they should be followed by processes that can lead to its valorisation as chemical, e.g. for the regeneration of fuels, but also for the production of intermediates. These are usually energy demanding and rather slow processes, requiring energy input and catalysts. Some examples are the innovative strategies for the photoconversion or electroreduction of carbon dioxide. This special issue collects original research papers, reviews and commentaries focused on the challenges for the valorisation and conversion of CO<sub>2</sub>. Submissions are welcome especially (but not exclusively) in the following areas: - Catalytic processes for the conversion of CO<sub>2</sub>

- Photocatalytic processes for the conversion of CO<sub>2</sub>
- Electrocatalytic processes for the conversion of CO<sub>2</sub>
- Process design issues for the valorisation of CO<sub>2</sub>
- Economic and life cycle assessment in the valorisation of CO<sub>2</sub>
- Innovative processes and reactors for CO<sub>2</sub> conversion

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2018)



## Catalysts

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