

## Special Issue

# Membranes for Carbon Dioxide Separation

### Message from the Guest Editor

Climate change mitigation, in the short and long term, makes necessary the development of alternative approaches in energy-related processes. In this context, membrane operations for CO<sub>2</sub> separation are intensively being explored due to the fundamental engineering and economic advantages over conventional industrial processes. In line with the increasing attention that membranes have gained in the last few decades, the present Special Issue reports on the most important and latest fundamental and technological advances in CO<sub>2</sub> separation processes using membranes under the three main approaches under study: i) sieve membranes, ii) non-dispersive absorption using porous membranes; and (iii) supported liquid membranes.

This Special Issue, "Membranes for Carbon Dioxide Separation", is open to manuscripts focused on polymeric, inorganic and mixed matrix membranes, as well as CO<sub>2</sub>-facilitated transport membranes and hollow fiber gas-liquid membrane contactors.

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### Guest Editor

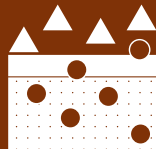
Dr. Jonathan Albo

Chemical and Biomolecular Department, Universidad de Cantabria, Santander, Spain

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### Deadline for manuscript submissions

closed (30 April 2018)



## Membranes

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## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to contribute a research article or a comprehensive review for consideration and publication in *Membranes* (ISSN 2077-0375). *Membranes* is an international, peer-reviewed open access journal of membrane technology published monthly online by MDPI. The journal covers the broad aspects of the science and technology of both biological and non-biological membranes, including membrane dynamics and the preparation and characterization of membranes and their applications in water, environment, energy, and food industries. Articles contributing to better understanding of transport processes in all types of membranes are also welcome. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

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### Editor-in-Chief

Prof. Dr. Spas D. Kolev  
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3010, Australia

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