

Special Issue

Preparation of Sponge Like Graphene Oxide Materials for CO₂ Capture and /or Catalysis

Message from the Guest Editor

The World is changing drastically due to anthropogenic activities in different levels of our lives. Climate change is an existing problem whose consequences are growing both in numbers and in size day by day. Carbon dioxide (CO₂) emission is drastically rising and, being the most abundant greenhouse gas, it is one of the primary causes for the global warming. This Special Issue of *Applied Sciences*, "Preparation of Sponge-Like Graphene Oxide Materials for CO₂ Capture and /or Catalysis", is intended for a wide and interdisciplinary audience and covers recent advances in:

- Synthesis of graphene sponge like monoliths;
- Theoretically modeling for CO₂ adsorption with graphene;
- Catalysis of CO₂ from graphene-based materials;
- Real time applications for CO₂ capture;
- Monolithic composites with particles or polymers.

For further reading, please visit the [Special Issue website](#).

Guest Editor

Dr. Nikolaos Politakos

POLYMAT-University of the Basque Country (UPV/EHU)

Deadline for manuscript submissions

closed (31 July 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/48533

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)