## **Special Issue**

# Advances in CO<sub>2</sub> Conversion and Utilization

## Message from the Guest Editors

This Special Issue of *Sustainability* on "Advances in CO2" conversion and utilization" seeks contributions to assess state-of-the-art technologies, latest developments and future perspectives of CO2 conversion and utilization applications. Topics include, but are not limited to, new technology and material development, electrochemical and photoelectrochemical CO2 reduction, plasma-based CO2 conversion, reactor design, thermochemical CO2 reduction, DFT calculation, materials for CO2 adsorption and activation, CO2 conversion to value-added chemicals, modeling of the CO2 conversion process, integrated processes for CO2 utilization, industrial exploitation, and new applications involving CO2. Original articles, perspectives, and reviews are welcome. We are looking forward to receiving your work for this Special Issue.

#### **Guest Editors**

Dr. Guoxing Chen

Prof. Dr. Xin Tu

Dr. Nikolay Britun

Dr. Yaolin Wang

## Deadline for manuscript submissions

closed (15 October 2022)



## Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



## mdpi.com/si/98750

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

mdpi.com/journal/ sustainability





## Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



## **About the Journal**

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

#### **Author Benefits**

## Open Access:

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

## **High Visibility:**

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

