

Environmental Engineering

Advances in Carbon Capture Utilization and Storage



Editor in Chief

Mayur Pal

Kaunas University of Technology, (Lithuania)

mayur.pal@ktu.lt

Editorial Board

Ahmad Sami Abushaikha

College of Science and Engineering, HBKU, (Qatar)

aabushaikha@hbku.edu.qa

Rouhi Farajzadeh

TU Delft, (Netherlands)

r.farajzadeh@tudelft.nl

Dominique Guerillot

Texas A&M University Qatar, (Qatar)

guerillotsophie@gmail.com

Farid Karimi

University of Jyväskylä, (Finland)

farid.o.karimi@jyu.fi

Sadok Lamine

Shell Global Solutions, (Netherlands)

sadok.lamine@shell.com

Shruti Malik

Kaunas University of Technology, (Lithuania)

shruti.malik@ktu.lt

Aziz Rahman

Texas A&M University Qatar, (Qatar)

marahman@tamu.edu

Sina Rezaei Gomari

Teesside University, (United Kingdom)

s.rezaei-gomari@tees.ac.uk

Ravi Sharma

Indian Institute of Technology, (India)

ravi.sharma@es.iitr.ac.in

Brijesh Yadav

IIT Roorkee, (India)

brijesh.yadav@hy.iitr.ac.in

Hongwen Zheng

Computer Modelling Group, (Canada)

zhenghongwen@gmail.com

ACCUS Advances in Carbon Capture Utilization and Storage

Aims and Scope

Climate change is a serious environmental issue facing the world today. Most promising technique to tackle climate change is through Carbon capture utilization and storage commonly known as CCUS. It is a unique technique, which could enable humans to tackle climate change. The aim of the journal is to publish high quality articles targeting full value chain associated with Carbon capture, transport, storage, utilization, and modelling.

All published papers are peer reviewed and crosschecked by plagiarism detection tools.

More information is available online <https://www.extrica.com/journal/accus>

The journal material is referred:

Scilit: <https://www.scilit.net>

Google Scholar: <https://scholar.google.com>

Ulrich's Periodicals Directory: <https://ulrichsweb.serialssolutions.com>

WanFang Data: <https://www.wanfangdata.com.cn>

Crossref: <https://search.crossref.org>

Content is archived in **Martynas Mazvydas National Library of Lithuania**

Internet: <https://www.extrica.com>

E-mail: publish@extrica.com

Publisher: Extrica

ACCUS

Advances in Carbon Capture Utilization and Storage

DECEMBER 2024. VOLUME 2, ISSUE 2, PAGES (9-24), ISSN ONLINE 2783-686X

Contents

ASSESSING THE POTENTIAL OF GEOTHERMAL ENERGY IN CAMBRIAN COMPLEXES FOR RENEWABLE ENERGY TRANSITION IN LITHUANIA	9
ABDUL RASHID MEMON, PIJUS MAKASKAS, IEVA KAMINSKAITE-BARANAUSKIENE, MAYUR PAL	
HYDROGEN AND CO₂ STORAGE IN SANDSTONE: UNDERSTANDING POROUS MEDIA BEHAVIOR	13
APOORV VERMA, SHRUTI MALIK, SHANKAR LAL DANGI, BRIJESH KUMAR YADAV, MAYUR PAL	
ADVANCING CCUS IN THE ROMANIAN CLUSTER: STRATEGIC DECARBONISATION THROUGH MULTI-MODAL CO₂ TRANSPORT AND OFFSHORE STORAGE	17
SORIN ANGHIEL, ALEXANDRA-CONSTANȚA DUDU, CONSTANTIN-ȘTEFAN SAVA	

SHORT DESCRIPTION ABOUT THIS CATEGORY

Climate change is a serious environmental issue facing the world today. Most promising technique to tackle climate change is through Carbon capture utilization and storage commonly known as CCUS. It is a unique technique, which could enable human race to tackle climate change. The aim of the journal is to publish high quality articles targeting full value chain associated with Carbon capture, transport, storage, utilization and modelling. Climate change is a serious environmental issue facing the world today.

Most promising technique to tackle climate change is through Carbon capture utilization and storage commonly known as CCUS. It is a unique technique, which could enable human race to tackle climate change. The aim of the journal is to publish high quality articles targeting full value chain associated with Carbon capture, transport, storage, utilization and modelling.

