



CO₂ Capture and Valorization 2.0

Guest Editors:

Prof. Dr. Patricia Luis

Materials & Process Engineering,
UCLouvain, Place Sainte Barbe 2,
1348 Louvain-la-Neuve, Belgium

patricia.luis@uclouvain.be

Dr. Daria Nikolaeva

Louvain School of Engineering,
Institute of Mechanics, Materials
and Civil Engineering, Université
catholique de Louvain, Place
Sainte Barbe 2, 1348 Louvain-la-
Neuve, Belgium

daria.nikolaeva@uclouvain.be

Deadline for manuscript
submissions:

30 April 2022

Message from the Guest Editors

Dear Colleagues,

Tackling climate change is an urgent need that requires technological solutions applicable at a large scale. Contemporary research is advancing fast trying to transform a problem (i.e., CO₂ emissions) into an opportunity to do things better (i.e., CO₂ as a source of carbon). In this Special Issue, articles focusing on CO₂ capture and further valorization are very much welcome, including, in particular, contributions on technologies that have already reached a demo or pilot plant scale. The main objective of this Special Issue is to show an overview of technological options that prove that CO₂ is an available sustainable source of carbon to produce valuable products under realistic conditions that lead to net CO₂ emission reduction.

Prof. Dr. Patricia Luis

Dr. Daria Nikolaeva

Guest Editors

