



## Climate Change Mitigation, Air Pollution, and Health Impacts in the Heating System

Guest Editors:

**Prof. Dr. Can Wang**

School of Environment, Tsinghua University, Beijing 100084, China

**Dr. Xinzhu Zheng**

School of Economics and Management, China University of Petroleum, Beijing 102249, China

Deadline for manuscript submissions:

**closed (31 May 2021)**

### Message from the Guest Editors

The need for mitigating greenhouse gas (GHG) emissions to achieve the climate goal of limiting warming to 1.5 or 2 °C has become even more pronounced and urgent in the post-COVID-19 era. Heating systems, which account for almost one-third of the end-use energy consumption in the residential sector and service industry and approximately 12% of global energy consumption, are expected to accelerate the low-carbon transition and play a vital role in mitigation. Meanwhile, the air pollution emitted from heating systems causes adverse health impacts, resulting in strong interactions between climate change, air pollution, and public health. The nexus provides opportunities to promote sustainability by incorporating air pollution control and health benefits in the design of a low-carbon transition in heating systems and climate policies.

This Special Issue aims to advance the field of human health impacts of climate change mitigation and explore cooperation strategies that can be implemented within the heating systems to facilitate both climate change mitigation and public health promotion.





an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Marc A. Rosen**

Faculty of Engineering and  
Applied Science, University of  
Ontario Institute of Technology,  
Oshawa, ON L1G 0C5, Canada

## 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. *Sustainability* publishes original research articles, review 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.

## 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, AGRIS, RePEc, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (Geography, Planning and Development)

## Contact Us

---

*Sustainability* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sustainability](http://mdpi.com/journal/sustainability)  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)  
X@Sus\_MDPI