



Recent Advances in Cooling and Heat Recovery Systems for Ventilation and Air Conditioning

Guest Editor:

Prof. Dr. Demis Pandelidis

Department of Mechanical and
Power Engineering, Wrocław
University of Technology, 50-370
Wrocław, Poland

Deadline for manuscript
submissions:

closed (30 November 2021)

Message from the Guest Editor

Dear Colleagues,

Ventilation and air conditioning systems are one of the major energy consumers in modern buildings. The world needs radical change in the energy efficiency of ventilation and AC technologies, one that can effectively offset global energy demand while improving the quality of life and health of the users. The growing need for energy to provide comfortable indoor conditions has become a global concern. Due to this, new and innovative technologies need to be developed in order to face this challenge. This Special Issue is dedicated to new, advanced solutions in all of the fields of heat recovery in ventilation and air conditioning systems which can significantly improve the energy efficiency of buildings.

This Special Issue is open to all contributors in the field of heat recovery, ventilation, and air conditioning systems. We invite submissions of novel and original papers and reviews to this Special Issue.

Dr. Demis Pandelidis
Guest Editor





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

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.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

Applied Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](https://twitter.com/Applsci)