

Special Issue

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

Message from the Guest Editor

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.

Guest Editor

Guest Editor

Prof. Dr. Demis Pandelidis

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

Deadline for manuscript submissions

closed (30 November 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/72007

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

mdpi.com/journal/appls





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)