

## Special Issue

# Fundamentals and Recent Advances in Heating, Ventilation, and Air-Conditioning Systems (HVAC)

### Message from the Guest Editor

Heating, ventilation, and air conditioning systems (HVAC) are a critical component of modern buildings. The world needs radical change in the energy efficiency of HVAC technologies. This Special Issue is open to all contributors in the field of heating, ventilation, and air conditioning systems (HVAC). We invite submissions of novel and original papers and reviews to this Special Issue that extend and advance our scientific/technical understanding of the HVAC systems in areas that include but are not limited to:

- Renewable energy;
- Energy savings;
- Heating;
- Ventilation;
- Air conditioning;
- Energy efficiency;
- Smart systems;
- Cooling;
- Energy efficiency;
- Thermal storage;
- Evaporative cooling;
- Desiccant systems;
- Adsorption;
- Advanced buildings

---

### 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 (31 January 2021)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/41706](https://mdpi.com/si/41706)

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

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

[appls.c](https://appls.c)





# 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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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