

## Special Issue

# Untapped Thermal Energy and Waste Heat Utilization

### Message from the Guest Editors

The trend of increasing fossil fuel prices and the ever-increasing concerns over global warming and climate change are forcing governments, researchers and engineers working in industries to conceptualize, develop and install technologies and devices able to recover the waste heat coming from industrial processes, or the heat coming from the combination of naturally available and industrial processes.

The recovery of this waste heat is a challenging task, but can help in the reduction of greenhouse gas emissions, and in the improvement of sites' energy efficiency. In this framework, this Special Issue aims to collect innovative and high-quality research focusing on the development and utilization of untapped thermal energy as well as the recovery and utilization of waste heat from industrial processes, renewable energy sources, naturally available heat, etc. **Keywords:** renewable energy sources; waste heat; waste heat recovery technologies; innovative energy systems; steam and organic Rankine cycle; industrial processes; thermal energy harvesting; energy storage technologies; CHP technologies and systems; industrial symbiosis for waste heat valorization

---

### Guest Editors

Dr. Alberto Benato  
Prof. Dr. Anna Stoppato  
Dr. Francesco De Vanna

---

### Deadline for manuscript submissions

closed (20 January 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/133279](https://mdpi.com/si/133279)

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

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





# 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 )