

## Special Issue

# Heat and Mass Transfer between Separated Phases

### Message from the Guest Editor

Separated phases in multiphase flow dictate several issues in science and technology, such as formation of flow regimes, evaporation, condensation, droplet combustion, drying, and segregation of solids. Separated phases manifest themselves as gas-liquid, solid-liquid, or solid-gas flows. Heat and mass transfer between these separated phases remain a challenge to the multiphase flow scientists and engineers. This Special Issue will collect research that addresses challenges and countermeasures related to these issues. We welcome original and unpublished research work in areas including (but not limited to) the following:

- Heat convection
- Mass transfer
- Spherical-cap bubble
- Flotation bubble
- Flow regimes
- Bubble interaction
- Flash evaporation
- Gas hydrates
- Desalination
- Carbon dioxide
- Ocean disposal
- Nanofluids

---

### Guest Editor

Dr. Abdullah Abbas Kendoush

Department of Nuclear Engineering Technology, Augusta Technical College, Augusta, GA, USA

---

### Deadline for manuscript submissions

closed (30 November 2021)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/61208](https://mdpi.com/si/61208)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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



## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, 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, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)