Special Issue

New Challenges in Heat Transfer Enhancement

Message from the Guest Editor

This Special Issue aims to supply all interested people working in this field with a helpful resource which could contribute to deepening our understanding of heat transfer issues. The following topics are particularly suitable to this Special Issue:

- Heat transfer in special materials:
  - Anisotropic materials: single crystals, fiber composites, two-dimensional materials such as graphene.
  - Biological materials: animal and human tissues, foods, plants and other systems from the nature.
  - Soils and building construction materials.
- New types of insulating materials.
- Devices to increment the heat transfer:
  - Heat pipes.
  - Engine assisted fluid circulation.
- Devices or systems to insulate:
  - New insulating materials, eventually directional.
  - Passive solar systems such as Trombe–Michel wall or Barra–Costantini wall.
  - Convection reduction or abolition through insertion of screens and interlayers.

Guest Editor

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Deadline for manuscript submissions

closed (31 January 2024)

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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.

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