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Studies on Transport Phenomena in Energy Systems

Guest Editor:

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Deadline for manuscript submissions:
closed (20 December 2022)

Message from the Guest Editor

Dear Colleagues,

The objective of this Special Issue is to deliver predictors to control transport phenomena in energy systems to improve their overall performance and efficiency. Innovative contributions apply entropy and exergy-based methods to gain insight into multiphase flows with heat transfer. This research involves the parallels between momentum, energy, and mass transport with respect to entropy and the Second Law of Thermodynamics. The publications in this Special Issue will contribute to advancing energy systems globally and providing innovative methods to address the energy crisis.

Authors are invited to submit their original work and survey papers for publication in this Special Issue of *Energies*. Topics of interest for this Special Issue include, but are not limited to:

- Analytical and experimental studies in transport phenomena;
- Energy systems performance improvement investigations;
- Hydrogen production methods;
- Battery thermal management studies.

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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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