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## New Advancement in Heat and Mass Transfer: Fundamentals and Applications

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### Message from the Guest Editors

Heat and mass transfer, widely involved in various energy systems, has great impacts on the safety and energy consumption of these systems. Establishment of energy-efficient operation schemes for these systems requires good understanding of the heat and mass transfer characteristics.

This special issue aims to cover new advancement in heat and mass transfer, either fundamentals or applications, in different research fields. Topics of interest include, but are not limited to the following:

### Fundamentals of heat and mass transfer:

- Multi-phase flow and heat transfer
- Multi-scale heat and mass transfer
- Combustion
- Heat and mass transfer in porous media
- Radiation
- Bio-fluid dynamics and heat transfer

### Experimental and numerical research on heat and mass transfer related to:

- Fossil and renewable energy using systems
- Energy conversion and storage systems
- Heat exchangers
- Fuel cells
- Heat pipe
- Air conditioning and refrigeration
- Heat transfer enhancement
- Thermal insulation



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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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