Special Issue

Review and Recent Advances in Computational and Experimental Heat and Mass Transfer

Message from the Guest Editors

Heat flows and mass transport through porous and non-porous media signify one of the most active areas of research in modern energy engineering. The focus of this Special Issue is on the current state of research and education in computational and experimental studies of combined heat and mass transfer. Manuscripts to be included in the Special Issue should therefore concentrate on a range of topics including diffusion; forced convection; natural convection; mixed convection; combined processes; and other industrial applications. We would also welcome research on heat transfer enhancement in heat exchangers and fluidized beds and on the practical use of thermodynamic methods in the design and optimization of these systems. A broad outline of this Special Issue's scope includes peer-reviewed original research articles, technical reports, review papers, short communications, and notes to the editor. Thus, high-quality research papers or reviews dealing with any aspect of heat and mass transfer are welcomed. Papers may be theoretical, numerical, or experimental.

Guest Editors

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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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