Special Issue

Convection Process and Entropy Generation in Different Fluids

Message from the Guest Editor

Different kinds of convection process—natural, forced, and mixed convection—are present in various industries where heat and mass transfer play a key role. In the cited industries, the studied fluid can be Newtonian or non-Newtonian, and the character has an important impact on heat and mass transfer, as well as fluid flow behavior. In addition, it is crucial to manage the energy loss in the convection process, and one of the common ways in this area is studying entropy generation and minimizing the value in order to optimize the process. This Special Issue invites original research papers to address studies into the various types of convection process numerically and experimentally for different Newtonian and non-Newtonian fluids, nanofluids, ferrofluids, MHD, and multiphase flows. Further, authors are encouraged to submit papers addressing entropy generation in a convection process.

Guest Editor

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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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