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Convection Process and Entropy Generation in Different Fluids

Guest Editor:

Dr. Gholamreza Kefayati

School of Engineering, University
of Tasmania, Tasmania, TAS
7001, Australia

Deadline for manuscript
submissions:

closed (20 November 2020)

Message from the Guest Editor

Dear Colleagues,

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.



mdpi.com/si/30906

Special Issue



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Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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