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Heat and Mass Transfer Process Development for Sustainable Thermal Engineering

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

One of the key challenges for modern power engineering, refrigeration, and chemical and processing technologies is the use of advanced solutions for heat and mass transfer processes. The general motivation is to obtain the cleanest and most effective energy conversion in thermal and mass transfer processes. It is related to a number of aspects related both to the recognition of physical aspects, as well as in the field of design, application and manufacturing of heat and mass exchangers. The continuous development of power engineering, refrigeration, and chemical and processing technologies aimed at the use of new generations of fully environmentally safe working fluids, and ever higher requirements in terms of energy conversion efficiency require new approaches to heat and mass transfer processes. These issues are devoted to the proposed special issue of the journal, which will in particular cover the following areas:

- advances in heat and mass transfer enhancement by means of passive and active approaches;
- advances in combined heat and mass transfer in sustainable energy conversion technologies, including sorption systems;

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Message from the Editor-in-Chief

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