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Heat Transfer Enhancement Mechanisms and Techniques

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Message from the Guest Editors

Dear Colleagues,

This Special Issue is devoted to the mechanism and technique of heat transfer enhancement. These are central to industries such as the thermal power industry, nuclear power, food manufacturing, chemical industry, electronics and petroleum in the context of the global energy shortage. The main research objective of heat transfer enhancement technology is to improve heat transfer capacity and efficiency by enhancing heat conduction, convection or radiation heat transfer processes, among which the most widely studied is the enhancement of convection heat transfer. Convection heat transfer enhancement methods can be divided into active enhancement methods and passive enhancement methods. In this Special Issue, we invite submissions that explore cutting-edge research and recent advances in the mechanism and techniques of heat transfer enhancement.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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