Guest editorial

Nowadays, heat transfer enhancement through economical and eco-friendly techniques has been converted to a challenge. With heat transfer enhancement in a thermal system, we can use more compact thermal systems with the same performance. The special issue titled "Advances in heat transfer enhancement" aimed to publish the latest studies in the field of thermal engineering by emphasizing techniques for heat transfer enhancement. Many submissions were received from the interested researchers in the field of fluid flow and heat transfer from a wide range of countries, and finally 16 papers were selected after a peer review process to be published for the first part of the special issue. The selected papers evaluate the role of both passive and active techniques such as magnetic field, oscillators, baffles, and nanofluids on heat transfer enhancement.

We would like to acknowledge the valuable support provided by the Editor-in-Chief, Professor Roland Lewis, who accepted our request to handle the special issue and all people in the journal that supported us and the authors from submission to publication level.

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International Journal of Numerical Methods for Heat & Fluid Flow
Vol. 29 No. 4, 2019
p. 1210

0961-5539
DOI 10.1108/HFF-04-2019-828