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Methods and Developments for Enhancement of Heat Transfer

Guest Editor:

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Deadline for manuscript
submissions:

closed (14 July 2023)

Message from the Guest Editor

Dear Colleagues,

The main purpose of this Special Issue is to collect the latest findings of outstanding research on the enhancement of heat transfer, focussing on state-of-the-art progress, methods, developments, and new trends.

Topics of interest for publication include, but are not limited to, the following:

- Heat transfer increment using nanofluids;
- Heat transport augmentation by utilizing porous media;
- Heat energy enhancement using fluids with large particles suspensions;
- Heat transfer intensification employing flexible seals;
- Heat transport improvement by creating vortex generators;
- Amplification of heat transfer using protrusions;
- Enhancement of heat transfer applying ultra-high thermal conductivity composite materials;
- Optimal design methodologies for maximization of heat transfer augmentation;
- Advanced modelling to improve thermal analysis;
- Thermo-fluid conjugate analysis;
- Advancement of heat transfer in biological systems;



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Prof. Dr. Balaram Kundu

Guest Editor

Special Issue



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Message from the Editor-in-Chief

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