



Photo Thermal Conversion and Pool Boiling Heat Transfer of Nanofluid

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Deadline for manuscript
submissions:

closed (30 September 2022)

Message from the Guest Editor

Dear Colleagues,

The Guest Editors invite you to submit a Special Issue of *Energies* on the subject “Photo Thermal Conversion and Pool Boiling Heat Transfer of Nanofluids”. As the importance of renewable energy for replacing fossil fuels has become an issue in the world, the efficient use of energy regarding thermal systems and equipment is required, and thus the use of nanofluids for the increase of efficiency and heat transfer is emphasized. Nanofluids are a major way to improve the poor thermal properties of conventional working fluids such as water, oil, and antifreeze solution. In addition, they can be used in heat energy application fields (especially light-thermal conversion and boiling heat transfer in PTC, CPC, the direct absorption solar heat-collection system, heat pipes, heat exchangers, etc.) because they improve various heat transfer modes such as convection, boiling, and photo-thermal conversion. The Special Issue will focus on but is not limited to the utilization of light absorption and the boiling heat transfer of various nanofluids.





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Message from the Editor-in-Chief

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