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Heat and Mass Transfer Mechanisms in Nanofluids

Guest Editor:

Dr. Gabriela Huminic

Department of Mechanical
Engineering, Transilvania
University of Brasov, 500036
Brasov, Romania

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Message from the Guest Editor

Dear Colleagues,

The objective of this Special Issue is to emphasize recent studies on new nanofluids (preparation methods and their stability mechanisms) in order to enhance their heat and mass transfer characteristics, as well their applications in various engineering systems, using numerical and experimental techniques.

The stability of nanofluids is essential for maintaining thermophysical properties over a long time after their production. Thus, research on innovative solutions to obtain long-term stable nanofluids, as well as compact and economical engineering systems is particularly relevant.

The published papers will be useful for researchers in engineering, chemistry, physics, and mathematics.

Keywords

- heat transfer mechanisms
- mass transfer mechanisms
- conjugate heat and mass transfer
- heat exchangers
- absorption systems

Prof. Dr. Gabriela Huminic

Guest Editor



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Special Issue



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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