



## Applications of Nanofluids

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### Message from the Guest Editor

Dear Colleagues,

Nowadays, the optimization of different engineering devices and the development of medicine techniques demand to use the “smart” liquids that have a high thermal conductivity, and an opportunity for targeted drug delivery. Such “smart” liquids, known as nanofluids, are the suspension of a base liquid (water, oil, and others), and nanosized particles of metal, metal oxide, or biodegradable polymers. In the case of heat transfer enhancement, the usage of nanofluids allows for increasing the effective thermal conductivity, and as a result, a growth of the heat transfer rate is expected. In the case of medicine applications, the usage of nanoparticles from biodegradable polymers can be very good transport for drugs. An analysis of the nanofluid applications can be performed using theoretical or experimental techniques. Theoretical methods also include numerical simulations, which have many advantages [...] For further reading, please follow the link to the Special Issue website at: <https://www.mdpi.com/si/34949>

Prof. Mikhail Sheremet  
*Guest Editor*





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