Special Issue

Recent Advances in Microfluidics and Vacuum Dynamics

Message from the Guest Editors

The study of gas flow at the micro/nano scale or at very low pressure has assisted engineers in developing a diverse range of technologies, from gas detector devices to vacuum pump. This special issue “Recent Advances in Microfluidics and Vacuum Dynamics” aims to report current knowledge, and illuminate the future of fluid flows at the micro/nano scale or at vacuum. We would appreciate if you could contribute to this special topic by submitting your latest work in this area. Potential topics will include, but are not limited to:

- Continuum-based simulation of micro/nano scale flows
- Fluid-surface interaction, including Knudsen layer.
- Heat transfer at small scale.
- Molecular simulations (MD-DSMC) at micro and nanoscales
- Gas experimental micro and nano flows
- Vacuum.
- Porous Media Flows
- Gas kinetic theory (Kernel, Mixture, Polyatomic gas...)

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Fluids (ISSN 2311-5521) is an international journal on all aspects of fluids in open access format: research articles, reviews and other contents are released on the internet immediately after acceptance. You are invited to contribute a research article or a comprehensive review for consideration and publication in *Fluids*. The scientific community and the general public have unlimited free access to the content as soon as it is published. Please consider *Fluids* as an exceptional, exciting enterprise ready to reward your trust, attention, and active participation.

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