

## Special Issue

# Micro and Nanoflowrates Measurements

### Message from the Guest Editors

Dear Colleagues The last two decades have witnessed a rapid development of MEMS involving liquid and gas microflows in a wide range of applications. The metrological characterization of such microflows is still a real challenge for the scientists who have to develop innovative experimental techniques and methods able to measure, with a good accuracy, micro and nanoflow rates lower than the resolution of usual sensors. This Special Issue therefore seeks to showcase recent advances in flowrate measurement techniques, fundamental studies, and applications of micro flowrate measurements regarding both the performance (including stability, reliability, accuracy) of active systems, i.e., macro-, mini- and microdevices delivering micro flowrates, and the associated challenges in the characterization of fluid flows inside passive microsystems. The covered topics include but are not limited to the development of innovative measurement techniques, flowrate sensors or metrological tools for evaluating micro flowrates as well as methods, testing protocols, calibration techniques, and development of new standards. We look forward to receiving your submissions!

### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2021)



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