

## Special Issue

# Acoustic Micro/Nano Manipulation and Its Applications

### Message from the Guest Editors

Acoustic micro/nano manipulation, on the basis of its various nonlinear acoustic effects (e.g., acoustic radiation force, acoustic streaming, and acoustic cavitation), leverages acoustic momentum to precisely control objects or fluids at the micro/nanoscale. It has the advantages of good biocompatibility, wide tunability, excellent transmission through biological tissues, and broad accessibility, and thus is preferred for many applications in fields such as biochemical analysis, medical therapy, and environmental science. In recent years, many interdisciplinary developments have been seen in this area (e.g., acoustic metamaterials, additive manufacturing, sonochemistry, ultrasound modulation, etc.), which continue to advance the performance and adaptability of acoustic micro/nano manipulation. This Special Issue seeks to present research articles, communications, and review articles focused on acoustic micro/nano manipulation from varied perspectives of fundamental principles, system designs, and applications. We look forward to receiving your submissions.

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### Guest Editors

Dr. Ye Ai

Dr. Xiaolong Lu

Dr. Zhichao Ma

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### Deadline for manuscript submissions

closed (30 August 2023)



## Micromachines

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### Editor-in-Chief

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