



Droplet-Based Microfluidic Devices

Guest Editor:

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Message from the Guest Editor

Dear colleagues,

Droplet-based microfluidic devices have been widely used in a variety of physical, chemical, and biological applications due to their unique advantages. The main advantages of droplet-based microfluidic devices are that they are easy to size and can produce uniform-sized droplets in large quantities. In addition, because each generated droplet allows for individual control, it can provide a novel compact reactor system for chemical mixing, synthesis, and analysis. Recent studies on the droplet-based microfluidic devices have been beneficial in biological applications such as cell research and droplet-based digital PCR because droplets are formed in the range of femtoliters to nanoliters, and the reaction time is shortened. Accordingly, this Special Issue seeks to showcase research papers and review articles that focusing on convergence disciplines related to droplet-microfluidic device applications such as precision manufacturing, droplet control, functional materials, and cell biology. We look forward to receiving your submissions.





Editor-in-Chief

Message from the Editor-in-Chief

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