



## Special Issue on Microfluidics Application in Biomedical Engineering

### Call for Papers

**Microfluidics** is a multidisciplinary field intersecting engineering, physics, chemistry, nanotechnology and biotechnology, with practical applications to the design of systems in which small volumes of fluids will be handled. Microfluidics emerged in the beginning of the 1980s and is used in the development of DNA chips, lab-on-a-chip technology, micro-propulsion, and micro-thermal technologies. It deals with the behavior, precise control and manipulation of fluids that are geometrically constrained to a small, typically sub-millimeter, scale. As one of the most important research fields of human life, **microfluidics application in biomedical engineering** is of great attractions to researchers.

In this special issue, we intend to invite front-line researchers and authors to submit original researches and review articles on exploring **microfluidics application in biomedical engineering**. Potential topics include, but are not limited to:

- Lab-on-a-chip technology
- Microfluidic control
- Micropump of microfluidics
- Fluidic resistance
- Microfluidic biochips
- Fault-tolerance of microfluidics

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal at [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue - Microfluidics Application in Biomedical Engineering**” should be chosen during your submission.

According to the following timetable:

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