



Recent Studies and Progresses in Bio-Microelectromechanical Systems (BioMEMS)

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Bio-microelectromechanical systems (Bio-MEMS), a subcategory of microelectromechanical systems (MEMS), involve nano and/or microscale devices that integrate biological or biochemical elements fabricated using nano or microfabrication technologies. This Special Issue is intended to showcase the recent studies and progress made in the field of Bio-MEMS. The recent literature in Bio-MEMS has shown great potential for improving human health, biotechnology, and environmental systems. Continued advancements in materials, nano and microfabrication, electronics, and edge technologies are expected to drive the development of novel and field-deployable Bio-MEMS devices that have enhanced performance and precision. This Special Issue welcomes original research, reviews, and perspective articles on recent studies and progress in the field of bio-microelectromechanical systems. Potential topics for this Special Issue include but are not limited to:

- Implantable devices;
- Lab-on-a-chip (LOC) devices;
- Microfluidics;
- Biosensors and diagnostics;
- MEMS/NEMS for biomedical applications;
- Bioelectronics;
- Materials and packaging for Bio-MEMS;
- 3D printing for Bio-MEMS.





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Message from the Editor-in-Chief

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