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Micro/Nano-Integrated Systems: A Paradigm to Evolve

Guest Editors:

Dr. Deepti Sharma

School of Medicine, John
Hopkins University, Baltimore,
MD 21231, USA

**Prof. Dr. Nagendra Kumar
Kaushik**

Department of Electrical and
Biological Physics, Plasma
Bioscience Research Center,
Kwangwoon University, Seoul
01897, Republic of Korea

Deadline for manuscript
submissions:

closed (30 March 2023)

Message from the Guest Editors

MEMS (microelectromechanical systems) and NEMS (nanoelectromechanical systems) are some of the most famous interdisciplinary research fields, requiring knowledge about a variety of research areas such as biotechnologies and nanotechnologies, as well as micro/nano-fabrication techniques. The aim of this Special Issue is to gather original contributions or review papers from researchers that are actively engaged in developing new ideas and providing critical diagnostic devices which combine nanometer-scale devices and materials, such as metal and carbon nanoparticles, with molecular-recognition systems and optical, mechanical, or electronic transduction platforms to produce highly sensitive, high-throughput, and high temporal, spatial, and spectral resolution biochemical sensors. Particularly focus on bioelectronics, biophotonics and bio-MEMS, integrated circuit design, system-on-chip design, image sensor design, bioelectronics, and micro/nano-fabrication.

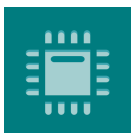
Keywords

- biosensors
- lab-on-a-chip
- bio-MEMS
- CMOS
- nanoparticles
- micromechanical sensors
- biochemical sensors
- micro/nano-fabrication
- multi-electrode array



mdpi.com/si/135140

Special Issue



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Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria
Elettrica e dell'Informazione
(Department of Electrical and
Information Engineering),
Politecnico di Bari, Via Edoardo
Orabona n. 4, 70125 Bari, Italy

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Journal Rank: JCR - Q2 (*Instruments & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

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Sensors Editorial Office
MDPI, St. Alban-Anlage 66
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