

Sensors and Materials

“Special Issue on the International Conference on Biosensors, BioElectronics, BioMedical Devices, BioMEMS/NEMS and Applications (Bio4Apps) 2017”

Guest Editor

Toshihiro Itoh

Professor, Dept. Human and Engineered Environmental Studies, Graduate School of Frontier Sciences,
The University of Tokyo, Kashiwanoha 5-1-5, Kashiwa, 277-8563, Japan

Phone: +81-4-7136-4648, FAX: +81-4-7136-4649

Email: toshihiro-itoh@edu.k.u-tokyo.ac.jp

Dear Colleagues,

Sensors and Materials (<http://myukk.org/>) is designed to provide a forum for people working in multidisciplinary fields of sensing technology, and publishes contributions describing original work in the experimental and theoretical fields aimed at increasing understanding of sensing technology, related materials, associated phenomena, and applied systems. Topics to be covered include optical sensing, mechanical sensing, temperature sensing, gas sensing, humidity sensing, biological sensing, electromagnetic sensing, remote sensing, pressure sensing, nuclear sensing, acoustic sensing, and materials for sensor technology, MEMS, microactuators, and sensing systems.

Recently, biotechnology has observed a significant progress thanks to the fusion of cornerstone technologies such as electronics, sensors, and micro/nanotechnology with a focus in emerging markets and applications. Biosensors and implantable biomedical devices that can provide accurate detection of target analytes and initiate the desired host response, respectively, are becoming increasingly important in the fields of medical diagnostics and treatment.

To foster communication among researchers in the spirit of “biotechnology for applications”, this special issue will create a platform for researchers all over the world to report and exchange results in areas of biosensors, biomedical devices, and bioMEMS/NEMS, with a strong emphasis on commercialization and applications.

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Manuscript Submission

Manuscripts submitted to this journal must not have been previously published or be currently under consideration for publication elsewhere. Manuscripts must be typewritten on A4 white sheets and should be prepared in a MS Word file (font, Times New Roman). PDF files are also acceptable, but MS Word files are preferable. Provide the e-mail address of the corresponding author (one, as a rule).

Please submit your manuscript by:

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Keywords

- Biosensors
- Lab-on-chip
- Miniaturized diagnostic medical devices
- Novel bioelectric sensing methods
- Nanophotonics/THz sensing
- Implantable medical devices
- Prosthesis and neural probes
- Drug delivery
- MEMS/NEMS/Microfluidics for biomedical applications

Submission Deadline: 31st March 2018