

Sensors and Materials

Special Issue on Novel Sensing Technologies for Point of Care, Home Care, and Personal Health Care

Call for Papers

This special issue of *Sensors and Materials* aims to focus on various sensor technologies that cater to applications in point of care, home care, and personalized medicine, with prominence on sensors for disease biomarkers, chemicals and gases, environmental contaminants, and biometrics. The scope of the contributed articles includes sensor materials, processing, device physics, theory, and analytics. The included topics can range from design principles, modelling, fabrication and characterization to integrated systems, and product development. Sensing technologies possessing the potential to be implemented in point of care and personalized medicine are also included. Works in the area of sensor systems development including electronic circuitry, microfluidics, data acquisition and display for real world applications are also welcome.

Topics of interest include, but are not limited to, the following:

- Novel sensing materials
- Electronic and electrical sensors including FETs, resistive devices, SAW and QCM devices
- Photonic sensors
- Sensor arrays and multi-analyte detection
- Detection of biomarkers: gases and small-molecule chemicals, ions, nucleotides, proteins, cells and cellular interactions, and biological tissues
- Extracellular vesicles, miRNA and DNA sequencing
- Microfluidics in sensor applications
- Surface functionalization
- Sensor design and fabrication, and characterization techniques
- Modelling and sensor algorithm
- Chemometrics
- Sensor models, signal analysis, and sensor algorithms
- Personalized/precision medicine
- Home care diagnostics
- Sensor analytics for wired/wireless systems
- Internet of Things (IoT)
- Packaging technologies for sensors
- Portable or hand-held sensor systems

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Submit to: Online Manuscript Submission System (<https://myukk-org.ssl-xserver.jp/form/>)

(Attention)

As stated in Instructions to Authors in the Guidelines, the author(s) will be obliged to pay the publication fee upon the acceptance of the manuscript for publication (for example, JPY 95040 for 10 pages in *Sensors and Materials* format). If the quality of the English of your manuscript does not satisfy the journal standards, the authors will bear the proofreading fee (JPY 10000–15000), which will be charged with the publication fee.

If you have any questions, please feel free to contact the editorial staff at the address below.

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