Sensors and Materials

Special Issue on Biosensors and Biofuel Cells
for Smart Community and Smart Life

Call for Papers

Electrochemical biosensors that use biological components are accurate, fast, and inexpensive analytical devices with the advantage of easy integration into electronic devices, and they are widely employed in healthcare and environmental monitoring for smart communities and smart living. In this special issue, we will focus on developing novel electrochemical biosensors, including materials, systems, and fabrication technologies. The biosensor materials used to improve the performance of electrochemical biosensors can be carbon materials, metal oxides, nanomaterials, polymers, biomolecules, enzymes, antibodies, and microorganisms.

Scope:

- Electrochemical biosensors
- Nanomaterials
- Electrochemical ion sensors
- Nano-biocomposites
- Microbial sensors
- Polymers
- Modified electrodes
- Redox mediators
- Lab-on-chip devices
- Enzymes
- Paper-based sensor devices
- Biofuel cells (self-powered biosensors)
- Microfluidics
- Wearable applications

Submission due date: December 31, 2021

Publication date (planned): First half of 2022

Journal website: https://myukk.org/

Guest Editor: Assoc. Prof. Seiya Tsujimura (University of Tsukuba), Assoc. Prof. Isao Shitanda (Tokyo University of Science), and Assoc. Prof. Hiroaki Sakamoto (University of Fukui)

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

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