

## **Special Issue on Advanced Micro and Nanomaterials for Various Sensor Applications (Selected Papers from ICASI 2020)**

### **Special Issue Information**

The 6th IEEE International Conference on Applied System Innovation 2020 (IEEE ICASI 2020, <https://2020.icas-conf.net/>) will be held in Tokyo, Japan on May 13–17, 2020. The conference will provide a unified communication platform for a wide range of topics of electrical engineering, material science and related fields.

Various Sensors and Flexible optoelectronics are attracting a great deal of attention in recent years due to their potential applications in healthcare monitoring, biomedicine, electronic skin, wearable sensing technology, soft robotics, flat panel displays, safety equipment, smart systems and future space applications. The aim of this special issue is to publish novel and high quality research papers (experimental, theoretical, or simulation works) as well as review articles addressing recent advances on cutting-edge flexible electronics and sensors based on micro/nanomaterials. Research and review articles should provide a comprehensive insight into characterization and understanding of functional micro/nanomaterials properties with the application of scanning techniques. Manuscript submitted to Sensors and Materials journal must be not published previously or under consideration for publication elsewhere. Potential topics include, but are not limited to:

- Design, synthesis and characterization of functional Micro/ Nanomaterials for sensing applications and electronic devices
- Chemical and gas sensors based on Micro/Nano sensing materials
- Advanced materials in mechatronics applications
- Molecular dynamics simulation and quantum chemical calculations for Micro/ Nanomaterials related to sensing applications and flexible electronics
- Theories and principles related to Micro/Nanomaterials, Chemical and gas sensing, and flexible electronics
- Sensors and flexible electronics for future food and agricultural applications
- Advanced scanning techniques for characterization of sensors and flexible electronics

### **Schedule**

Manuscript Due: November 30, 2020

First Round of Reviews: December 31, 2020

Second Round of Reviews: February 25, 2021

Acceptance of Final papers: April 01, 2021

Publication: June 30, 2021



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