

## Special Issue

# Advances in Thin Film Based Sensors

### Message from the Guest Editor

This Special Issue of the journal *Sensors* aims to collect cutting edge research papers in the field of sensor devices. Sensor devices which can be fabricated by semiconductor device process for the size range from nano scale to mm scale such as microelectromechanical systems (MEMS) with thin films can be extended to extremely stacked 3D structures. These sensor devices have outstanding advantages, not only in their small size for use in device processes and microelectromechanical systems (MEMS) technology but also in social and environmental evaluation. Thin-film advanced material systems enable the demonstration of next-generation innovative components suitable for the development of cost-effective and forward-looking nanostructures and devices. Additionally, materials' stability and functionality together with their availability and production costs bring the necessity of diverse research works in this field. Therefore, functional devices with extremely integrated sensors would be available in the near future. In addition, collaboration with neuromorphic devices and artificial intelligence will open a new world in the device research field.

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### Guest Editor

Prof. Dr. Tokiyoshi Matsuda  
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### Deadline for manuscript submissions

closed (18 December 2022)



## Sensors

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## About the Journal

### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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### Editor-in-Chief

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