

## Special Issue

# Selected Papers from TIKI IEEE ICICE 2019 and ICASI 2020

### Message from the Guest Editors

This Special Issue selects excellent papers from TIKI IEEE ICICE 2019 and ICASI 2020 and covers the following scopes, including fundamental and advanced materials of electrical and mechanical engineering, their synthesis and engineering, their application in optical sensors, magnetic, acoustic, and thermal transduction, their integration with many elements, designing of electrical or mechanical devices, evaluation various performance and exploring their broad applications in industry, environmental control, material analysis, etc. We invite investigators to contribute original research articles, as well as review articles, to this Special Issue. Detail information, please visit [https://www.mdpi.com/journal/materials/special\\_issues/TIKI\\_IEEE2020](https://www.mdpi.com/journal/materials/special_issues/TIKI_IEEE2020)

### Guest Editors

Prof. Dr. Shouou-Jinn Chang

Prof. Dr. Sheng-Joue Young

Dr. Stephen D. Prior

Prof. Dr. Liang-Wen Ji

### Deadline for manuscript submissions

closed (31 December 2021)



## Materials

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/si/32445](https://www.mdpi.com/si/32445)

*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://www.mdpi.com/journal/materials)





# Materials

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 6.4  
Indexed in PubMed



[mdpi.com/journal/  
materials](https://mdpi.com/journal/materials)



## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

---

### Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

#### Journal Rank:

JCR - Q2 (Metallurgy and Metallurgical Engineering) /  
CiteScore - Q1 (Condensed Matter Physics)