

## Special Issue

# Metal Oxide Semiconductors: Synthesis, Structure, and Applications

### Message from the Guest Editor

We are delighted to invite you to contribute to the Special Issue “Metal Oxide Semiconductors: Synthesis, Structure, and Applications”. Oxides find applications in many areas of technological relevance. This stems from their abundance and their many beneficial properties which make them potential candidates for many applications. This Special issue aims to report on efficient characterization techniques, both at theoretical and experimental levels, of different class of oxides, including bulk and material systems with low dimensions, that allow a rational design of, and provide fundamental insights into, key properties governing their performance in operando. In this Special Issue, original research articles, communications, and reviews are welcome. Research areas may include the following: surface science, heterogeneous catalysis, energy conversion, electronics, optoelectronics, spintronics, corrosion, environmental science, and tribology. I look forward to receiving your contributions.

### Guest Editor

Dr. Stephane Kenmoe

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### Deadline for manuscript submissions

20 November 2025



## Materials

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## 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.

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### Editor-in-Chief

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