

## Special Issue

# Terahertz Science in Advanced Materials and Relevant Material Characterizations Leading to New Devices, Systems, and Applications

### Message from the Guest Editor

Terahertz radiation, belonging to the electromagnetic spectrum between infrared and microwave, has been gaining tremendous attention in recent years due to its fascinating properties in probing and manipulating matter. The aim of this Special Issue is to provide a comprehensive platform for researchers to share their latest advances, original research articles, and review papers on terahertz science in advanced materials and relevant material characterizations leading to new devices, systems, and applications. The scope of this issue covers, but is not limited to, the following topics:

- Terahertz spectroscopy and imaging on advanced materials.
- Development and characterization of terahertz materials.
- Terahertz technology based on integrated metamaterials and artificial materials with period metal structures for wireless communication.
- Terahertz sensing materials with specified sensitivities for security inspection, food-quality detection, environmental monitoring, medical diagnosis, and other applications.

We invite researchers to contribute their original and high-quality research papers and reviews to this Special Issue. All submissions will be peer-reviewed by experts.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 February 2024)



## 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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