



an Open Access Journal by MDPI

## Thermal Photonic Metamaterials

Guest Editor:

**Dr. Alok Ghanekar**

Ming Hsieh Department of  
Electrical and Computer  
Engineering, University of  
Southern California, Los Angeles,  
CA 90089, USA

Deadline for manuscript  
submissions:

**closed (20 January 2024)**

### Message from the Guest Editor

The proposed Special Issue aims to bring together researchers with expertise in metamaterials and radiative energy to share their findings on various advancements and recent progress in metamaterials, specifically in the modulation and control of thermal radiative transfer.

Topics of interest include, but are not limited to:

- Metamaterials for spectral, directional, and polarization control of thermal radiation;
- Metamaterials for thermo-radiative devices and thermo-photovoltaics;
- Near-field thermal-radiative transfer;
- Active tuning of emissivity;
- Modulation of thermal radiation with phase-change materials;
- Nonreciprocal thermal radiation;
- Metamaterial passive radiative cooling;
- Nonlinear metamaterials for thermal radiation.



[mdpi.com/si/133480](https://mdpi.com/si/133480)



an Open Access Journal by MDPI

## 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

## 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.

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

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)