

## Special Issue

# Recent Advances in Optoelectronic Materials and Devices

### Message from the Guest Editor

This Special Issue of *Materials*, entitled '*Recent Advances in Optoelectronic Materials and Devices*', welcomes cutting-edge research on novel material design, device fabrication, performance optimization, and interdisciplinary applications. We particularly encourage submissions featuring emerging optoelectronic materials (e.g., perovskites, 2D materials, quantum dots, and wide-bandgap semiconductors) and high-performance devices (including LEDs, photodetectors, solar cells, and photonic integrated circuits). We aim to build an academic platform for global scholars to share breakthroughs, discuss technical challenges, and explore future development trends of optoelectronic technologies, promoting the industrial translation of innovative achievements in this field. We also welcome review articles that summarize state-of-the-art progress and propose critical perspectives for next-generation optoelectronic systems.

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### Guest Editor

Dr. Lokanath Patra

George W. Woodruff School of Mechanical Engineering, 801 Ferst Dr, Atlanta, GA 30332, USA

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### Deadline for manuscript submissions

20 September 2026



## Materials

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

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### Message from the Editorial Board

*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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### Editors-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

Prof. Dr. Yuguang Ma

State Key Laboratory of Luminescent Materials and Devices, South China University of Technology, Guangzhou 510640, China

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