

## Special Issue

# Microstructures and Coatings for Advanced Optoelectronic Materials

### Message from the Guest Editors

This Special Issue, Microstructures and Coatings for Advanced Optoelectronic Materials, highlights groundbreaking advances driving the next generation of optoelectronic innovation. From precision-engineered microstructures to multifunctional coatings, the featured research demonstrates how smart material design enables higher efficiency, longer durability, and wider use across devices such as solar cells, LEDs, sensors, and photodetectors. Beyond performance, the contributions emphasize sustainability and adaptability, addressing critical challenges in renewable energy, environmental protection, and wearable technologies. By combining materials science, nanotechnology, and applied physics, this collection positions optoelectronic research at the forefront of technological progress. It provides a forward-looking roadmap for developing robust, eco-friendly, and commercially viable systems that will power future communication, energy, and photonic applications worldwide.

### Guest Editors

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### Deadline for manuscript submissions

20 July 2026



## Materials

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CiteScore 6.4  
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### Message from the Editor-in-Chief

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