

Special Issue

Quantum Optics: From Fundamental Research to Technological Applications

Message from the Guest Editors

This Special Issue will encompass a diverse array of topics in the field of quantum optics, spanning both theoretical and experimental research. Contributions are encouraged to delve into the interdisciplinary aspects of quantum optics and examine its ramifications for a multitude of technological applications, thereby paving the path for revolutionary advancements in quantum technology. To further elaborate on the scope of this quantum optics Special Issue, topics include, but are not limited to, the following:

- **Fundamental Theoretical Studies**
- **Novel Materials and Devices in Quantum Optics**
- **Applications of Quantum Optics in Information Processing**
- **Optical Imaging and Sensing**
- **Applications of Quantum Optics in Communication and Security**
- **Quantum Metrology and Precision Measurements**
- **Photonics Integration and Quantum Optic Circuits**

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Deadline for manuscript submissions

20 October 2025



Photonics

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Impact Factor 1.9
CiteScore 3.5



mdpi.com/si/200987

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

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