

Special Issue

Terahertz (THz) Science in Photonics

Message from the Guest Editors

This Special Issue aims to highlight cutting-edge advancements in terahertz science and technology, focusing on photonics-driven innovations. It fosters interdisciplinary collaboration to address challenges in THz generation, detection, spectroscopy and imaging applications. Topics include THz sources and detectors, terahertz functional devices, metamaterials and metamaterials, spectroscopy, imaging, time-resolved terahertz spectroscopy, etc. The submission of papers exploring material science, non-destructive testing, security screening, and ultrafast spectroscopy is encouraged. Additionally, this Special Issue welcomes theoretical, experimental, and computational studies emphasizing novel materials, device architectures, and integration with optical technologies. This Special Issue welcomes original research articles and reviews. Research areas may include (but are not limited to) the following:

- Novel THz sources and detectors.
- Metamaterials, plasmonics, and metasurfaces for THz functional devices.
- THz spectroscopy and imaging systems.
- THz materials and physics.
- Other applications of THz technology.

We look forward to receiving your contributions.

Guest Editors

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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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