Special Issue

Terahertz Photonics: Recent Advances and Future Perspectives

Message from the Guest Editor

We invite submissions to the Special Issue on "Terahertz Photonics: Recent Advances and Future Perspectives", focusing on the latest innovations and applications within the terahertz (THz) spectrum (0.1–10 THz). THz technology stands at the forefront of bridging electronic and photonic methodologies, alongside melding classical and quantum physics, offering unparalleled insights into non-contact material characterization, biomedical diagnostics, security, and ultrafast communication systems. We are calling for submissions of review articles and original research that push the envelope in THz technology, providing fresh perspectives and breakthrough technological advancements. Theoretical and numerical studies are equally encouraged. Relevant topics include, but are not limited to, the following:

- Advances in THz sources and detectors.
- Ultrafast dynamics and nonlinear THz science.
- THz sensing and imaging technologies.
- Novel THz materials (e.g., nanostructures and metamaterials).
- THz applications in industry, security, and biology.

We eagerly anticipate your contributions and the opportunity to highlight the most recent achievements in THz science together.

Guest Editor

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Deadline for manuscript submissions

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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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