



## Terahertz Photonics: Recent Advances and Future Perspectives

Guest Editor:

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submissions:

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### 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.

