Special Issue

Current Updates on Optical Scattering

Message from the Guest Editors

In recent years, the modulation and utilization of optical scattering have “transformed chaos into order” and “turned disorder into secure coding”, which have significantly expanded the development of fields such as computational optics, biophotonics, and micro-nano photonics. Therefore, this Special Issue is intended for the presentation of new ideas and experimental results of optical scattering within interdisciplinary realms. Areas relevant to the applications of optical scattering include, but are not limited to, deep tissue focusing, microinvasive imaging, optical computing, vector field manipulation, optical tweezer, nonlinear modulation, 3D holography, learning-based optical imaging, and learning-based optical encryption. This Special Issue will publish high-quality research articles, review articles, and short communications in the following overlapping fields:

- Deep tissue focusing;
- Microinvasive/noninvasive imaging;
- Optical computing;
- Vector field manipulation;
- Optical tweezer;
- Nonlinear modulation;
- 3D holography;
- Learning-based optical imaging;
- Learning-based optical encryption.

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Deadline for manuscript submissions

20 February 2026

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/211806

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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