

Special Issue

Novel Laser-Based Spectroscopic Techniques and Applications

Message from the Guest Editors

Laser-based spectroscopic techniques represent a paradigm shift in analytical methodologies, offering unprecedented precision and sensitivity in the study of matter. Recent years have witnessed the rise of novel laser-based techniques pushing the boundaries of spectroscopy. This Special Issue delves not only into the core aspects of these cutting-edge techniques and their diverse applications, but also focused on the advances in precision and versatility of the spectroscopic techniques which have already reached maturity.

Novelty aspects include the miniaturization of equipment, enhanced portability, and broader accessibility. Also, anticipated developments include heightened sensitivity, real-time imaging capabilities, and further integration with emerging technologies like quantum sensing and communication. Keywords

- laser-based spectroscopy
- analytical methodologies
- novel laser-based techniques
- matter spectroscopic analysis
- cutting-edge spectroscopic techniques
- new border of spectroscopic techniques
- precision and versatility of spectroscopic techniques

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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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