Special Issue

Laser Technologies for Environmental Applications

Message from the Guest Editors

The growth in human activity has led to rising environmental pollution, which has become a global human health issue. Therefore, developing advanced techniques to monitor and analyze environmental pollutants is critical. In this regard, laser-based techniques have become a reliable tool to analyze pollutants in any environmental matrix. Laser-induced plasma spectroscopy (LIBS) allows for the identification and quantification of pollutants in an environmental sample. This Special Issue presents research on advancements in laser technology methods to investigate environmental pollution levels, with topics including novel approaches, the quantification of emergent compounds (microplastics), comparisons with conventional techniques, combinations of laser-based methodologies, artificial intelligence techniques, and alternative data processing methods. Keywords

- laser-based techniques
- environmental sciences
- air quality
- emergent compounds

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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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