Special Issue

Advanced Research in Nonlinear Photonics: Theory and Applications

Message from the Guest Editors

In this Special Issue, we invite you to submit your new results on nonlinear photonic devices, such as lasers, photodetectors, and other active/passive photonic devices. The nonlinear behavior of photonic devices is an essential field in physics, boarding from light device generation to the development of quantum computers, considering secure communications, optical gates, material processing, optical active systems, as well as medical and aesthetic applications, among other useful applications with numerical and experimental results. The constantly growing body of research on the nonlinear behavior of photonic devices demonstrates that there are many opportunities for increasing its technological applications. In this Special Issue, papers on the numerical simulation of the dynamical behavior of photonic systems, experimental implementations and characterizations, and potential technological applications are welcome.

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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.

Editor-in-Chief

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