Special Issue

Photonic Metamaterials

Message from the Guest Editors

Metamaterials have, in the last few decades, inspired scientists and engineers to think about waves beyond traditional constraints imposed by materials in which they propagate, conceiving new functionalities, such as subwavelength imaging, invisibility cloaking and broadband ultraslow light. This Special Issue, "Photonic Metamaterials" of *Applied Sciences* is devoted to exhibiting the current state of the art of the dynamic and vibrant field of photonic metamaterials reaching across various disciplines, suggesting exciting applications in chemistry, material science, biology, medicine, and engineering. It will illuminate recent advances in the wider photonic metamaterials field, such as (to mention a few) active metamaterials and metasurfaces, self-organized nanoplasmonic metamaterials, graphene metamaterials, metamaterials with negative or vanishing refractive index and topological metamaterials facilitating ultraslow broadband waves on the nanoscale and novel applications, such as stopped-light lasing.

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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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