



New Materials for Nanophotonics

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 October 2021)

Message from the Guest Editor

The MDPI journal of *Applied Sciences* invites manuscript submissions in the topic of “New Materials for Nanophotonics”. Nanophotonics has played an important role in material research as well as in photonic devices. In nanophotonics, artificial structures are used to modulate the flow of light, enhance the light–matter interaction, or induce exotic electromagnetic properties. At the same time, new materials can add novel functionalities to nanophotonics, just like graphene enables tunability in plasmonics and metamaterials. This Special Issue focuses on the recent progress of materials and devices based on nanophotonics.

Topics of interest include (but not limited to) the following:

- Tunability of nanophotonic devices
- Low-dimensional materials for photonic devices
- Nonlinear materials for THz and mid-IR ranges
- Flexible photonic devices
- Materials for photonic sensors
- Materials for photon-based quantum computing





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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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