Special Issue

Advanced Compound Semiconductor

Message from the Guest Editor

Compound semiconductors consisting of Group III-V elements and Group II-VI elements have drawn a great deal of attention because of the versatility of their application in industrial fields such as LEDs, solar cells, detectors, sensors, and energy harvesting. Until now, the utilization of compound semiconductors has been limited in terms of optoelectronic devices. We want to expand this field of research to various applications using emerging nanomaterials to satisfy the demand for advanced display and electronic devices. The Journal *Applied Sciences* will publish a Special Issue providing an overview of compound semiconductor materials, devices, and related cutting-edge technologies. Topics of interest include, but are not limited to: new materials and characterization, LEDs and LDs, solar cells, photodetectors, photocatalyst, power devices, electrical and optical properties, energy harvesting, theory and simulation, emerging nanomaterials and nanostructures; hybrid structures, quantum dots and applications. Keywords

- compound semiconductors
- optoelectronics
- sensors
- power devices
- nanomaterials
- energy harvesting
- quantum dots(QDs)

Guest Editor

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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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