

Special Issue

GaN-Based Light-Emitting Diodes

Message from the Guest Editor

Recent dramatic improvements of III-Nitride (GaN) light-emitting diodes with enhanced quantum efficiency can make it possible to expand their applications to versatile fields, such as display, solid-state lighting, and environmental, agricultural, and medical applications. In the several decades since mass production of blue LEDs began, we have caught sight of a revolution in solid-state lighting replacing transitional incandescent and fluorescent lamps. Moreover, in the recent display field, micro-LEDs can be considered as an advanced lighting source for VR/AR and TV due to their high energy efficiency and flexibility. The Journal of *Applied Sciences* will publish a Special Issue providing an overview of GaN-based LEDs and related cutting-edge technologies. Topics of interest include but are not limited to: epitaxy; micro-LEDs; defect engineering and characterization; electrical and optical properties; light extraction improvement methods; phosphors for III-nitride UV and visible LEDs; and theory and simulation, emerging materials; nanostructures; applications of III-nitride LEDs.

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.

Editor-in-Chief

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