



## GaN-Based Light-Emitting Diodes

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Deadline for manuscript  
submissions:

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### Message from the Guest Editor

Dear Colleagues,

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.

Prof. Dr. Jinsub Park  
*Guest Editor*





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## Message from the Editor-in-Chief

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