

## Special Issue

# III-V Nitride: Materials, Physics and Devices

### Message from the Guest Editors

During the last decades, III-V nitrides materials and their optical/electronic devices have been spectacular in many research and applications, such as light emitting diodes (LEDs), laser diodes (LDs), photodiodes, solar cells, RF transistors, and power devices. High-crystalline quality GaN, AlN, AlGaIn, InGaIn layers and their structures have been obtained. Considerable efforts have been made on the material and device physics. Especially, with the recent development of the high-quality free-standing GaN substrate with dislocation density lower than  $10^5\text{cm}^{-2}$ , intrinsic material/device physics and high-performance optical/electronic and power devices are highly expected. The Special Issue of the journal Applied Sciences, 'III-V Nitrides: material, physics and devices', aims to cover the recent advances in the development of III-V nitrides materials and physics properties, as well as the advanced device concepts and developments.

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 June 2019)



## Applied Sciences

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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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### Editor-in-Chief

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