

## Special Issue

# Highly Efficient UV and Visible Light Sources

### Message from the Guest Editors

The progress in the development of light sources for different regions of the electromagnetic spectrum has been non-uniform, primarily due to the introduction of appropriate materials and technological advances. The near-IR region has seen tremendous development, and, nowadays, has benefited the most efficient light sources. However, countless applications of visible wavelengths, ranging from lighting to visible light communication and biomedical applications, will greatly benefit from the progress made in the development of efficient light sources. Topics of this Special Issue include, but are not limited to, the following:

- III-V semiconductor lasers and LEDs
- LED efficiency droop: mechanisms and mitigation
- UV light sources
- New visible lasers and LEDs concepts and optimisation
- Defects and their effects on emission efficiency
- Visible light sources via frequency conversion and efficiency
- Visible light for biophotonics and emerging applications

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### Guest Editors

Prof. Dr. Edik U. Rafailov

Dr. Grigorii Sokolovskii

Dr. Evgeny Zharebtsov

Dr. Amit Yadav

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### Deadline for manuscript submissions

closed (30 September 2018)



## 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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