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Advanced Luminescent Materials and Devices

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Message from the Guest Editor

Luminescent materials enjoyed a revived interest for lighting and display applications, as wavelength converters for blue LEDs. Nowadays, very good materials are available for these applications, and advances are mostly incremental.

However, thanks to these developments in materials research, new applications, requiring specific phosphor properties, have emerged, and a lot of research is still needed in many of these fields. Wavelength ranges have expanded towards UV and near-IR emission, highly performant persistent phosphors have been developed for safety illumination and bio-imaging, phosphors have been proposed for solar concentrator panels, for energy storage, photocatalysis, thermometry and dosimetry, and specific emission wavelength ranges are aimed for as wavelength converters for horticulture.

The aim of the present Special Issue is to give researchers the opportunity to present materials and applications beyond the "mainstream" white LED phosphors. Original research papers, as well as review papers, are welcomed for this issue.



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Special Issue



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Message from the Editor-in-Chief

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