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Optical Materials for White Light Emitting Diodes (WLEDs)

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Deadline for manuscript submissions:
closed (31 December 2021)

Message from the Guest Editors

The efficiency of blue and near-UV LED chips are ever increasing and it is only a matter of time until solid state light sources replace the conventional incandescent, halogen and even fluorescent light bulbs. Thus the demand for high-efficiency phosphors that can be excited in the blue or near-UV spectral region is very high. The topics of this Special Issue include, but are not limited to, the following:

- Novel synthesis techniques
- Efficiency improvement
- Methods of quantum efficiency measurements
- Particle shape optimization
- Thermal quenching improvement
- Phosphor ceramics
- Garnet phosphors
- Silicate phosphors
- Oxide-based phosphors
- Sulfides
- Oxynitrides and nitrides
- Phosphors for near-UV LEDs
- Single-phase, white-light-emitting phosphors
- Blue/cyan-emitting phosphors
- Green/yellow-emitting phosphors
- Orange/red-emitting phosphors

We would like to take this opportunity to invite you to submit your manuscripts to the Special Issue "Optical Materials for White-Light-Emitting Diodes (WLEDs)" of *Materials* in the form of full research article, short communication or a review.

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Message from the Editor-in-Chief

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