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Wide Bandgap Semiconductor Materials and Devices

Guest Editors:

Prof. Dr. Haiding Sun Prof. Dr. Bharat Jalan Prof. Dr. Shibing Long Prof. Dr. Yuhao Zhang Prof. Dr. Rajendra Singh Dr. Xuelin Yang Prof. Dr. Yuji Zhao Prof. Dr. Bin Liu

Deadline for manuscript submissions: closed (1 December 2021)

Message from the Guest Editors

Wide bandgap semiconductors (WBGS) comprise those materials with bandgaps greater than 3.0 eV and exhibit many attractive properties far beyond the capabilities of Si and GaAs. The WBGS's extraordinary physical and electrical properties make the materials a natural for meeting the performance demands of optoelectronic and power electronic device applications, thus the material- and device-related research based on these WBGSs is one of the hottest topics in the semiconductor community.

We invite researchers to contribute to the Special Issue titled "Wide Bandgap Semiconductor Materials and Devices"; potential topics include but are not limited to:

- WBGS thin film growth, doping and defects, processing, and theory;
- WBGS low dimensional and nanostructure (quantum dot, quantum well, and quantum wire) synthesis, processing, and theory;
- WBGS electronic and optoelectronic properties and characterization;
- WBGS optoelectronic devices (LED, lasers, and detectors) and characterizations;
- WBGS power electronic devices and characterizations.





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Editor-in-Chief

Prof. Dr. Alessandra Toncelli Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

Message from the Editor-in-Chief

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Crystals Editorial Office MDPI, St. Alban-Anlage 66 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/crystals crystals@mdpi.com X@Crystals_MDPI