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III-Nitride Materials: Properties, Growth, and Applications

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Deadline for manuscript submissions:
closed (10 April 2024)

Message from the Guest Editors

III-Nitrides have been widely developed and researched in the past 30 years. Many open questions regarding III-Nitrides await the consensus of researchers.

This Special Issue of *Crystals* serves to provide a platform for researchers to report their results and findings in III-Nitrides materials, including growth, characterisations, structure designs, device fabrication procedures, optical and electronic properties, and their applications in emerging lighting, display, RF, power electronics systems, etc.

Potential topics include, but are not limited to:

- The growth of III-Nitrides;
- Deep insight into the growth mechanisms and device performance;
- Novel structures of III-Nitrides devices;
- Materials, optical, and electronic characteristics of III-Nitrides devices;
- InGaN long wavelength LEDs;
- GaN-based UV LEDs;
- GaN-based micro-LED displays;
- GaN-based lasers;
- GaN HEMTs.

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Editor-in-Chief

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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