Special Issue

Advances in Gallium Nitride-Based Materials and Devices

Message from the Guest Editors

A current challenge of modern science is the development of better light sources and electronic components able to work with high frequency and power. Gallium nitride (GaN) and other GaN-based alloys in the wurtzite form are very good candidates to fulfil these requirements. As a breakthrough moment in the development of research topics related to GaN should be considered the mastering of the technique of doping this semiconductor. Despite the recent progress in GaN-based technology, many challenges must be still overcome in material quality and devices design, and for that reason those materials are still of great interest in both research and technology. Well-mastered techniques of growth enable the formation of semiconductor structures with desired electronic parameters through creating GaN-based alloys with other elements. This gives a high possibility of creating diverse substrates for electronic devices.

Therefore, we invite researchers to contribute to this Special Issue on Properties and Engineering of Gallium Nitride-Based Materials and Devices, covering a broad spectrum of topics from basic studies to the application of new electronic materials.

Guest Editors

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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.

Editor-in-Chief

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