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Semiconductor Materials and Devices

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Deadline for manuscript submissions:
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Message from the Guest Editors

Semiconductors represent one of the key fields of science and technology worldwide, and new achievements in this field are constantly emerging. Among them, wide-bandgap semiconductors such as silicon carbide (SiC), gallium nitride (GaN), diamond and gallium oxide (Ga_2O_3) are playing a huge role in photovoltaic inverters, new energy vehicles, smart grids and 5G communications. Additionally, III-V semiconductors such as gallium arsenide (GaAs) and indium phosphide (InP) are promoting the continuous advancement of semiconductor optoelectronics such as lasers, optical communications and other fields.

In order to promote the development of semiconductors, solve the current and the forthcoming challenges, and strengthen academic communication and innovations, we are launching this Special Issue "Semiconductor Materials and Devices", which will focus on the material growth, material structure and physical properties of compound semiconductors, including wide-bandgap semiconductors and III-V semiconductors. Manuscripts are widely solicited in the fields of material growth, characterization, as well as microelectronic and optoelectronic device development.

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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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