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# Organic/Metal Oxide Thin Films for Optoelectronic/Photovoltaic and Sensing Applications

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## Message from the Guest Editors

Thin films based on metal oxides and organic materials are among the key materials used in photovoltaic/optoelectronic and sensing devices. Thin films based on these materials are often used in devices such as thin-film transistors, solar cells, light-emitting diodes, photoconductors, light crystal displays, and sensors. Due to the large-scale effort from the engineering and science community, progress in these devices has rapidly increased over the past few decades. These devices are generally composed of single or multiple thin layers; therefore, charge transfer is considered to be a serious challenge. Several interfaces of engineering methods have been used to improve the performance of these devices. With the passage of time, different materials/fabrication processes and different techniques have been explored, and research efforts for innovations and performance improvement are continuing. Considering the importance of organic and inorganic thin films and their applications, this Special Issue aims to provide a comprehensive collection of research from across the world that can be used for the development of advanced devices based on organic/metal oxide thin films.

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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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