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## Organic-Inorganic Hybrids: Synthesis, Property and Application

Guest Editors:

**Dr. Wei Liu**

School of Chemical Engineering  
and Technology, Sun Yat-Sen  
University, Zhuhai 519000, China

**Prof. Xin Wu**

School of Chemical Engineering  
and Technology, Sun Yat-Sen  
University, Zhuhai 519000, China

**Dr. Haoran Lin**

Hoffmann Institute of Advanced  
Materials, Shenzhen Polytechnic,  
7098 Liuxian Blvd, Nanshan  
District, Shenzhen 518000, China

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### Message from the Guest Editors

Over the past several decades, crystalline organic-inorganic hybrid materials, composed of standalone inorganic and organic moieties or modules blended at the atomic or molecular scale, have been extensively explored. In the resulting hybrid structures, the integration of the inorganic modules and organic ligands combines the superiority of the excellent electronic, optical, magnetic, thermal, and mechanical properties of the inorganic compounds and the superior structural flexibility, lightweight, processability, and functionality of organic molecules with greatly enhanced structural, chemical and physical properties.

This Special Issue covers the recent development of solid-state inorganic and inorganic-organic hybrid materials that possess interesting and unique properties potentially useful for clean and renewable energy applications, including but not limited to photovoltaics, solid-state lighting, thermoelectrics, gas storage, capture and separation, catalysis and chemical sensing.



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# Special Issue



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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

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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*Crystals* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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