

## Special Issue

# Hybrid Materials for Energy Storage and Conversion

### Message from the Guest Editors

Currently, the eco-friendly production and storage of energy play a vital role in protecting the environment and controlling climatic conditions, which oxide-based hybrid nanostructures show great potential for. Hence, through this Special Issue, the role of hybrid structures in the production and storage of energy can be elucidated by focusing on various affecting factors, like synthesis techniques, Fermi-level and band engineering, hybrid defects, optical capability, kinetics, electrolyte pH, temperature, and interface migrations.

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### Guest Editors

Dr. I. Neelakanta Reddy

Dr. Moorthy Dhanasekar

Dr. Mallikarjuna Koduru

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### Deadline for manuscript submissions

closed (10 June 2025)



## Crystals

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Alessandra Toncelli

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