

## Special Issue

# Emerging Trends in Electrochemical Catalysis Across the Energy Landscape

### Message from the Guest Editors

Electrochemical systems are becoming increasingly important for clean energy, environmental protection, and sustainable chemical production. Recent progress in catalyst development, material design, and new device concepts has greatly improved the efficiency and performance of these technologies. At the same time, many key questions remain. How can we better understand reactions at the electrode surface? How do structure, defects, and interfaces affect activity and stability? And how can we develop systems that are easy to scale and use in real applications? This Special Issue, titled “Emerging Trends in Electrochemical Catalysis Across the Energy Landscape”, welcomes studies on new electrocatalysts, improved electrochemical devices, mechanistic insights, modeling, and in situ/operando techniques. Both fundamental and applied research are encouraged. We hope this collection will highlight recent achievements and guide future developments toward practical, efficient, and sustainable electrochemical technologies.

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### Guest Editors

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## 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

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