# Special Issue

# Materials for Advanced Supercapacitors

## Message from the Guest Editors

Advanced supercapacitors have gained significant interest due to their high energy storage capacity, rapid charge–discharge cycles, and exceptional stability, making them promising for next-generation energy solutions. The use of multivalent metal cations has spurred the rapid development of multivalent ion capacitors. Further studies are needed on nanomaterial development and electrode fabrication for high performance and stability. Carbon nanomaterials stand out as leading candidates due to their affordability, safety, scalability, and environmental friendliness. Their production has undergone industrial scaling to meet increasing demand. This Special Issue aims to emphasize interdisciplinary and commercialization research on nanomaterials in advanced supercapacitors. We invite scientists and researchers to submit original research papers or review articles to our Special Issue of Crystals.

## Guest Editors

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## Deadline for manuscript submissions

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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.

## Editor-in-Chief

Prof. Dr. Alessandra Toncelli
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