

## Special Issue

# Porous Materials and Their Adsorption Properties

### Message from the Guest Editors

The study of the adsorption properties of porous materials has been proven to be of great interest for the removal of impurities from both liquid and gas media.

This Special Issue on “Porous materials and their adsorption properties” calls for papers where a further goal is met. We are looking for studies that present in-depth results of the adsorption properties of porous materials in both the solid–gas and solid–liquid interfaces, including, but not limited to, the following:

The properties of the material: the relationship between the crystal structure and the adsorption capacity of the adsorbent, surface characterization, correlation between the porosity and the adsorption capacity, influence of the surface acidity, and basicity on the adsorption process. Analysis of the interactions between the adsorbent and adsorbate molecules: the adsorption mechanism, type of sorption, theoretical modelling, and kinetic and thermodynamic studies. We are looking forward to receiving your contributions.

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### Guest Editors

Dr. Leticia Santamaría

Prof. Dr. Miguel A. Vicente

Prof. Dr. Antonio Gil Bravo

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### Deadline for manuscript submissions

closed (25 July 2024)



## 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  
Department of Physics, University of Pisa, 56126 Pisa, PI, Italy

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