

Special Issue

Advances in Metal Ion Research and Applications

Message from the Guest Editors

In this Special Issue, original research articles and reviews are welcome to be submitted. Research areas may include, but are not limited to, the following:

- Metal ion-based materials for energy storage (e.g., batteries, supercapacitors);
- Biological and biomedical applications of metal ions (e.g., drug delivery, imaging agents, enzyme mimicry);
- Metal ions in environmental remediation and pollution control (e.g., water treatment, desalination, CO₂ capture);
- Metal ions in catalytic processes and energy conversion (e.g., electrochemical reactions, fuel cells, hydrogenation);
- Metal ion interactions with nanomaterials for sensing and diagnostics;
- Development of novel methods for metal ion detection and characterization;
- Advances in the synthesis and characterization of metal ion-based nanomaterials;
- Computational modeling of metal ion behavior in materials and biological systems;
- Coordination chemistry and molecular interactions of metal ions in complex systems;
- Advances in the understanding of metal ion interactions in materials science and electronics.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

Surfaces and interfaces are ubiquitous, and their relevance in Chemistry, Physics, Catalysis, Materials Science & Engineering, Nanoscience, Biology and Nanomedicine is nowadays well acknowledged. Similarly, surfaces cannot be neglected when targeting applications in many strategic fields, such as sensors, energy conversion and storage, environmental and food science, and medical devices.

Surfaces is a new Open Access journal that will provide rapid publication of scholarly articles on studies related to surfaces and interfaces. Its mission is to publish cutting edge articles and conference proceedings and organizing special issues to highlight outstanding research on specific topics, encouraging the application of a rigorous Surface Science-based approach to many complex interesting phenomena and breaking boundaries among different disciplines.

Editor-in-Chief

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