

## Special Issue

# Electrochemical Deposition and Characterization of Metallic Materials

### Message from the Guest Editor

Dear Colleagues Electrodeposition is a widely used method of obtaining metals and alloys of desired morphological and structural characteristics and finds use at both nano and micro levels. Morphology, as the most important characteristic of electrodeposited metals and alloys, depends on parameters and regimes of electrodeposition. All existing industries, but also other areas like medicine, use the products of electrodeposition. Although electrodeposition processes from aqueous electrolytes are still the most commonly used processes for commercial purposes, processes of electrodeposition from melt, ionic liquids and deep eutectic solvents (DES) are finding increasing application. This Special Issue will focus on both fundamental and applied aspects of the electrodeposition processes. Reports on morphological and structural characterization of electrodeposited metals and alloys, such as optical microscopy (OM), scanning electron microscopy (SEM), atomic force microscopy (AFM), transmission electron microscopy (TEM), X-ray diffraction (XRD), X-ray photoelectron spectroscopy (XPS) and others, are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2024)



## Metals

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## About the Journal

### Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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### Editors-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.5 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2024).