

## Special Issue

# Advances in Electrodeposition Process for Materials

### Message from the Guest Editors

This issue aims to explore innovative strategies in electrodeposition, including the development of novel electrolytes, optimization of deposition parameters, and advanced characterization techniques. Special attention will be given to sustainable and environmentally friendly approaches, such as the use of green solvents, non-toxic precursors, and waste minimization strategies. Additionally, this issue will highlight the role of computational modelling, numerical modelling, and simulation and machine learning in predicting and optimizing electrodeposition processes, particularly for designing high-performance coatings with enhanced durability, catalytic activity, and selectivity in CO<sub>2</sub> reduction and electrolysis applications.

### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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## About the Journal

### Message from the Editor-in-Chief

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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