# Special Issue

# Transition-Metal-Based Compounds for Electrochemical Energy Conversion Processes

## Message from the Guest Editors

Novel materials designed for energy-conversion technologies based on electrochemical processes are gaining more and more attention from the scientific community. The development, processing, and application of these materials define one of the basic ideas behind bio-oriented utilities, such as cell functions, signal transition, or detection and removal of toxins, as well as technologies for renewable energy conversion, including batteries or fuel cells. Regardless of the final destination, high-quality materials based on transition-metal compounds, especially oxides and chalcogenides, together with ecologically friendly production processes and an in-depth understanding of structure-property relationships, are met with various electrochemical methods and techniques.

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## Deadline for manuscript submissions

closed (20 May 2023)


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### Message from the Editorial Board

*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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