Special Issue

Chiral Materials in Electrochemistry: Different Ways to Transduce, Transmit and Exploit Chiral Information

Message from the Guest Editors

This **Special Issue** aims to collect both research and review articles that focus on the amazing combination of chiral substances (molecules or materials) with electrochemistry. This combination generates a plethora of applications invariably based on the transmission of chirality throughtout different dimensional scales, from the nano- or microscopic level (e.g., the analytical recognition of antipodes, asymmetric synthesis and spintronics) to the macroscopic scale (e.g., the movement of small objects). We hope this Special Issue can represent a valuable reference platform for the many researchers (even from the branch of physics) working in the fascinating world of chiral electrochemistry. **Keywords:**

- chiral electrode surfaces (metals, composites, polymers, etc.)
- chiral molecular inductors (catalysts, biocatalysts, redox mediators, additives, supporting electrolytes, solvents, etc.)
- chiral thin films and chiral electroanalytics
- asymmetric electrosynthesis
- asymmetric bipolar electrochemistry
- chiral electromechanical actuators
- spintronics and spin filtering
- spin-dependent electrochemistry
- magnetoelectrochemistry

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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