



## Electrochemical Synthesis and Characterization of Nanostructures, Alloys and Conductive Polymers

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### Message from the Guest Editor

Given current global issues such as climate change, global warming or the energy crisis, academic and industrial researchers around the world are focusing their efforts on designing and developing new nanomaterials, alloys and conductive polymers. Biomaterials, electrocatalysts, semiconductors, supercapacitors, energy conversion into solar cells, electrochromic devices and energy storage/release are just a few applications that can benefit from the multifunctional capabilities of these versatile materials.

Many synthetic approaches to the manufacture of nanostructures, alloys and conductive polymers are currently available, but among them, electrochemical methods (e.g., simple electrochemical oxidation, anodizing, of metals or electropolymerization) are particularly attractive due to their simplicity, cost-effectiveness and versatility.

Therefore, in this Special Issue of *Materials*, both regular research papers and reviews on all aspects of the electrochemical synthesis and characterization of nanostructures, alloys, thin films and conductive polymers with a wide range of applicability are expected.





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## Message from the Editor-in-Chief

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