

## Special Issue

# Low-Dimensional Nanomaterials: Synthesis, Classification, and Application

### Message from the Guest Editors

This Special Issue, entitled “Low-Dimensional Nanomaterials: Synthesis, Classification, and Application”, is focused on the synthesis and characterization of nanomaterials with different morphologies (e.g., metal oxide semiconductors). Special emphasis will be given to their applications as catalysts for energy and environmental fields, such as photoelectrochemical water splitting, CO<sub>2</sub> conversion, oxidation of organic pollutants, anodes for batteries, membrane ceramic materials, sensors, and so on. Contributions should include innovative synthesis strategies to produce the nanomaterials, which could be heterostructures of different oxides to ensure low cost and/or to enhance their catalytic response (electrochemical anodization, hydrothermal methods, sol-gel synthesis, etc.). We are pleased to invite you to submit a manuscript for this Special Issue. Both original research contributions (full papers and communications) and reviews are welcome.

Dr. Ramón M. Fernández Domene

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### Guest Editors

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### Deadline for manuscript submissions

closed (20 June 2022)



## Materials

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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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