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Low-Dimensional Nanomaterials: Synthesis, Classification, and Application

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Message from the Guest Editors

Dear Colleagues,

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, CO₂ 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. Rita Sánchez Tovar

Dr. Ramón M. Fernández Domene

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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