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Decision-Making Methods and Sustainable Development: Metal Oxides for Energy Production, Environmental Remediation and Resource Efficiency

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Deadline for manuscript submissions:
closed (30 April 2023)

Message from the Guest Editors

Dear Colleagues,

Metal oxide materials, both in bulk and nanostructured forms, exhibit a variety of functional properties and play a crucial role in many applications, such as energy production, catalysis, sensing, environmental remediation, corrosion protection, among others.

This Special Issue is devoted to the modeling and synthesis of advanced metal oxides, composites and nanostructures obtained by sustainable processes.

The Special Issue will also consider advanced analytical methods of processing information, such as machine learning, neural networks, fuzzy logic, factor analysis, etc.

The overarching aim of this Special Issue is to present research studies which discuss the recent advances in the field of metal oxides and metal oxide nanostructures of interest to the global industry and with reduced environmental impacts.

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Message from the Editorial Board

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

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