

## Special Issue

# Functional Nano and Microstructures for Sustainable Development: Energy and Environment

### Message from the Guest Editors

The aim of this Special Issue is to present the effect of materials engineering on various applications of nano and microstructures for energy harvesting and storage. The energy conversion by means of piezoelectric, thermal, magnetic, magnetoelectric, pyroelectric, electro/magneto-caloric, chemical, and/or hybrid properties for sensors and actuators. The Special Issue also addressed issues of energy storage and finding effective means to improve their efficiencies. Examples include, but are not limited to, ferroelectric energy storage, electrode, and electrolyte materials for batteries, supercapacitors, solid-state hydrogen storage, nanostructured solar cells, and heterogeneous catalysts. We look forward to receiving your contributions.

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### Guest Editors

Dr. Eskilla Venkata Ramana  
Dr. Syam Sundar Lingala  
Dr. Manuel Almeida Valente

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### Deadline for manuscript submissions

closed (13 October 2023)



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## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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