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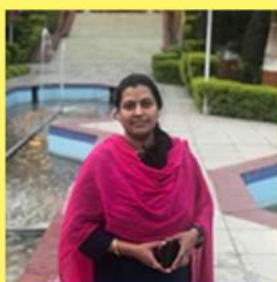
Current Trends in Nanotechnology & Materials Science



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Editors Book Series ID:
IIPER1681715115



Iterative International Publishers:
Novi, Michigan, USA
Chikkamagaluru, Karnataka, India

Imprint IIP
Registered publisher under Raja Rammohun Roy
Agency, Government of India and also under Bowker
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Important Dates:
Chapter/paper submission starts on: 20/09/2023
Last date for chapter/paper submission: 25/12/2023
Acceptance notification: 20/11/2024
Last date for registration: 20/11/2023

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Call for Chapters

Current Trends in Nanotechnology & Materials Science

Aims and Scope:

This book involves combining and understanding of the physical principles demonstrated by nanomaterials, technology of nanometre-scale objects and other nanotechnologies. Materials and Inventive applications that compile diverse areas of Nanotechnology are particularly welcome. Nanotechnology gathers scientists and engineers from many different subjects, such as materials science, nanosensors, surface science, organic chemistry, nanotechnology, chemical engineering, biology, biological engineering, and electrical engineering. This also includes the discovery, characterization, properties, and end-use of nanoscale materials. The future is with nanoparticles this is only possible only through Nanotechnology, which can be smarter and efficient. With significant developments in the fields of nanoscience and nanotechnology, in recent years, materials science is becoming more widely known as a specific field of science and engineering. This book presents a fine insight into many aspects of nanoscience and their applications in engineering. The book is open from the perspective of materials scientists, but the presentation is simple and easily understandable by beginners and scholars.

Importance of the area and topics that the special issue will focus on:

- Environmental Applications of Nanomaterials
- Nanotubes and Nanowires
- Synthesis routes of Nanomaterials
- Characterization techniques of Nanomaterials
- Introduction to Nanoscience and Nanotechnology
- Advances in Nanotechnology
- Magnetic properties of nanomaterials
- Physics, Chemistry and Applications of Nanostructures
- Nanomagnetism and Spintronics
- Nanostructured Thermoelectric Materials
- Nanostructured optoelectric Materials
- Mechanical properties of nanostructured materials
- Organic nanostructured materials
- Advances in nanostructured materials
- Physical Properties of Carbon Nanotubes
- Nanostructures and Nanomaterials
- Nanomaterials for biomedical applications
- Nanomaterials for hydrogen storage
- Materials Science and Nanotechnology
- Nanochemistry
- Carbon Nanostructures – Nanotubes, Graphene, Fullerenes

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