

Empyrean Press Book Publication House
Advanced Nanomaterials: Formulation, Production and Utilization
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Scope-The Book "Advanced Nanomaterials: Formulation, Production, and Utilization" explores into the nanomaterials, focusing on their synthesis, large-scale production, and diverse applications in industries including energy, healthcare, electronics, and environmental science. It discusses innovative strategies for nanomaterial formulation and functionalization, providing insights into scalable manufacturing procedures and tackling associated problems. The book also dives into nanomaterials' safety, ethical, and environmental consequences, offering a forward-thinking view on future breakthroughs and their role in addressing global concerns, making it an invaluable resource for researchers, professionals, and policymakers.

Submissions are accepted in the following areas, but not limited to:

- i. Nanomaterials: Structure and properties, Classification of nanomaterials
- ii. Formulation of Nanomaterials- Advanced characterization tools (XRD, TEM, SEM, AFM)
- iii. Nanomaterial Production Techniques-
- iv. Techniques to maintain quality and consistency in industrial production, Economic and environmental considerations in production
- v. Surface Functionalization and Modification
- vi. Covalent and non-covalent functionalization

- vii. Role of functionalization in biomedical, electronic, and environmental applications
- viii. Applications in Energy Systems
- ix. Nanomaterials in Biomedical Applications, Imaging, diagnostics, and therapy
- x. Nanomaterials for tissue engineering and regenerative medicine
- xi. Environmental Applications of Nanomaterials- Air filtration and pollution control, Soil remediation, Nanotechnology for renewable energy and environmental sustainability
- xii. Nanomaterials in Electronics and Sensing
- xiii. Safety, Ethics, and Environmental Impact of Nanomaterials
- xiv. Toxicology and health risks of nanomaterials
- xv. Regulations and safety standards for nanomaterials,
- xvi. Future Perspectives and Innovations in Nanomaterials
- xvii. Emerging trends in nanomaterial research
- xviii. Potential breakthroughs and novel applications

Submission - Please send the one-page write-up, which includes the chapter title, an abstract (maximum 250 words), five key words, and the author's affiliation, to the mentioned email address. Further instructions regarding the full chapter submission will be provided upon acceptance.

Submission Information

Submission email –

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Important Dates-

Abstract Submission Deadline- 20/11/2024

Acceptance Notification- 25/11/2024

Chapters Submission-15/12/2024

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