



CALL FOR AUTHORS

BIO & NANO MEDICAL DEVICES AND MATERIALS

CONCISE MONOGRAPH SERIES

Invitation

Authors are welcomed from a broad range of **science and engineering disciplines**; in academia, research institutions or industry, who are involved in the conception, design, development, analysis and operation of biomedical and biotechnological systems, materials and applications are invited to contribute.

New type of publication

ASME Press, which is the book publishing imprint of the American Society of Mechanical Engineers, is publishing a new series of **concise** (50-100 pages) monographs related to Bio- and Nano- Medical Devices and Materials, along with publishing partner Momentum Press. This is a new publishing approach that will contain elements of both a traditional book series and a periodical publication. <http://www.asmepress.org/>.

Each monograph will be similar to an expanded journal article or technical paper, with the addition of applications or industry-related content, such as case studies. Sources for these concise monographs may include previously published journal articles, conference papers, and even book chapters. The books will aim to provide a mixture of theoretical and practical content that will appeal to engineers in both academia and industry.

Series Editor

Ahmed Al-Jumaily, Professor of Biomechanical Engineering & Director of the Institute of Biomedical Technologies, Auckland University of Technology.

Associate Editors

Waqar Ahmed, PhD, Chair, Nanotechnology and Advanced Manufacturing, and Head, Institute of Nanotechnology and Bioengineering, School of Computing, Engineering & Physical Sciences, University of Central Lancashire, UK.

Christopher H.M. Jenkins, Ph.D., P.E., Professor and Head, Mechanical & Industrial Engineering Department, Montana State University.

Submission

To submit a proposal for consideration and further information please contact the commissioning editor, Dr.Nigel Hollingworth, at bionano.asme@gmail.com.

Proposals and manuscripts will be subject to peer-review and acceptance for publication is based on approval of both.

Author benefits

Published authors will receive an honorarium, plus choice of PDF of the published work or printed copies. Books will be submitted to the Thomson Reuters *Book Citation Index* an integral part of *Web of Science* for comprehensive visibility, citation indexing and metrics of published content.

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Scope

This **concise** monograph series focuses on the implementation of various engineering principles in the conception, design, development, analysis and operation of biomedical, biotechnological and nanotechnology systems and applications. Authors are encouraged to submit their work in the following core topics, but authors should contact the commissioning editor before submitting a proposal:

BIOMEDICAL AND BIOTECHNOLOGY

- **Trauma Analysis**
- **Vibration and Acoustics in Biomedical Applications**
- **Innovations in Processing, Characterization and Applications of Bioengineered Materials**
- **Viscoelasticity of Biological Tissues and Ultrasound Applications**
- **Dynamics, and Control in Biomechanical Systems**
- **Clinical Applications of Bioengineering**
- **Transport Phenomena In Biomedical Applications**
- **Computational Modeling and Device Design**
- **Safety and Risk Analysis of Biomedical Engineering**
- **Modeling and Processing of Bioinspired Materials and Biomaterials**

NANOTECHNOLOGY

- **Bio Nano Materials**
- **Nano Medical Sciences**
- **Materials for Drug & Gene Delivery**
- **Nanotechnology for Central Nervous System**
- **Nanomaterials & Living Systems Interactions**
- **Biosensing, Diagnostics & Imaging**
- **Cancer Nanotechnology**
- **Micro & Nano Fluidics**
- **Environmental Health & Safety**
- **Soft Nanotechnology & Colloids**