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Book Title: Smart materials and applications

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ABOUT THE BOOK

In the present era, excluding the technological application of emerging smart materials in memory devices, inductors, shape-memory materials, Chromogenic materials, Civil structures, Composite polymers, Conjugate polymers, 3D printing, Biomaterials, and biotechnology, etc., they have emerged as a promising material in many applications. The present book shall be a book that will benefit all the students of undergraduate and postgraduate students, including the researchers working on smart materials. This book will provide the foundation of advanced emerging materials from there in the caption to the present scenario, including the advanced application of emerging smart materials

BOOK CHAPTER PROPOSAL

The submitted proposal must contain ;Title of the book chapter, Author with affiliation (please check the order of author)Abstract and keywords ,Table of content, and nature of work i.e., Review of research . The proposal should be submitted a pdf to email CRCSMA2023@gmail.com

IMPORTANT DATES

- Submission Deadline for Abstract: **15 February, 2023**
- **Extended Full Chapter Submission Deadline: 30 April,2023**
- First Round of Review Deadline: **15 May,2023**
- Notification of Acceptance/Rejection : **1 June,2023**
- Submission Deadline for Revised /Final : **30 June,2023**
- **Submission Link: CRCSMA2023@gmail.com**

LIST OF TOPICS (NOT LIMITED TO)

- Smart materials and their properties
- Classification of smart material
- Fabrication technique of smart materials
- Advanced application of smart materials
- Binary chalcogenide nanomaterial for solar cell applications
- Phosphor materials for optical application
- Machine Learning for smart material.
- AI application for material characterization
- Deep learning methods in materials science
- Smart materials for four-dimensional printing
- Role of smart materials in the adoption of electric vehicles
- Impact of smart material on digital twin
- Smart material for renewable energy
- Alloy memory shape smart material for sensor development
- Smart material for industry
- Smart material for Healthcare

SOME IMPORTANT POINTS

- Book chapter must be original and must not contain any plagiarism. The editors may use software to screen for plagiarism
- Chapter should be 25-30 pages in length (each page should contain 200 words or up to 7000 words total.
- Include the figures and table within the chapter
- Chapter authors must obtain the specific prior permission of the publisher for reusing any figure/table/illustrations in whole or part

There is no cost /Publication fee in Publishing Chapter in this book.

Editors

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