

CALL FOR BOOK CHAPTERS

All the chapters published in this book will be submitted for indexing in SCOPUS

Book Title: “Blockchain for biomedical and healthcare system”
Sub-Title: Concept, Trends, and Future Implications

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Refer website for details:

<https://sites.google.com/view/bc4biohc2023/home>

Scope of the book:

The biomedical and healthcare system is one of the prime focuses by the researchers nowadays through the adoption of Blockchain (BC) Technology as an underlying infrastructure could secure information exchange between different stakeholders such as medical practitioners, patients, healthcare providers, and other applicable parties. The past decade has seen a sharp escalation in the adoption of Blockchain Technology in various application such as financial system, smart grid, etc. that has proved its effectiveness due to immutability, security, and other features. In case of biomedical and health care system, blockchain takes into consideration for better patient treatment structure by the expert doctor that could be arranged throughout the world using IoT-enabled electronic system.

- This edited book will cover the current state-of-the-art of BC-enabled biomedical and healthcare system.
- The chapters will be balanced between theoretical and practical coverage of a wide range of issues in biomedical and healthcare system.

- The chapters will cover a broad range of latest tools and techniques required to process the ever-evolved data generated in biomedical and healthcare sector.
- This book aims to present a variety of perspectives on the most pressing questions in the field, for example: how IoT can connect billions of biomedical and healthcare devices together.
- Open issues and challenges of BC-enabled biomedical and healthcare system are analysed. Finally, a comparison of existing proposals with respect to various parameters is presented, which allows the end users to select one of the proposals in comparison to its merits over the others.
- Case studies to demonstrate the adoption of blockchain for BC-enabled biomedical and healthcare system, which aware the readers for future challenges associated with this adoption, especially for smart healthcare applications.

Topics of Interest:

This book solicits contributions, which includes the adoption of BC for biomedical and healthcare system for smart applications. This book is organized into fifteen chapters and we welcome book chapter contributions on the following **(but are not limited to)** themes:

1. Introduction of Blockchain for biomedical and healthcare system	9. Improved and secure medical record management
2. Existing Tools and Technologies in biomedical and healthcare system	10. Securing drug/biomolecule supply chain management using Blockchain
3. Biomedical research acceleration using Blockchain	11. Healthcare process improvement using Blockchain
4. Applicability aspect of Blockchain for IoT-based biomedical system	12. Prospective issues and challenges for adopting Blockchain for biomedical and healthcare system
5. Significance of Blockchain in exiting IoT-based healthcare System	13. Patient benefits by adopting blockchain for IoT-based biomedical and healthcare system
6. Innovating traditional models of biomedical and healthcare	14. Case Studies and Testbeds of IoT-based biomedical and healthcare
7. Blockchain and Digital microbiology	15. The futuristic trends of blockchain-based biomedical and healthcare system
8. Infrastructure requirement for the blockchain-based healthcare system	

Each chapter may include concepts from the fields of Healthcare, Personalized Medicine, Biomedical, Securing Drugs, Medical Records, and Blockchain Technologies, etc.

Important Dates:

Page write-up (abstract with title keywords and author detail):

Preliminary acceptance/rejection notification:

Full chapter Submission:

First review notification:

Revised chapter submission:

Final Acceptance/Rejection notification:

Camera Ready submission:

Book Publication (Tentative)

July 15, 2023

July 20, 2023

July 30, 2023

August 05, 2023

August 20, 2023

August 30, 2023

September 15, 2023

September-October 2023

Submission Procedure:

Please submit your **one-page write** up (with abstract of 300- 500 words and 6 keywords) of your chapter along with tentative Table of Contents through Online Submission System (ONLY).

Easy Chair Submission Link: <https://easychair.org/conferences/?conf=bc4biohc2023> on or before **"15th July 2023"**. Upon acceptance of the proposal, further instructions for submission guidelines according to the Academic Press, imprint of Springer will be communicated. Full book chapters need to be formatted according to the **Springer Nature Singapore Pte Ltd. guidelines**.

NOTE: WILL BE INDEXED IN SCOPUS -NO PROCESSING FEES/CHARGES

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