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| 1. Record Nr.           | UNINA9910886075003321   |
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| Titolo                  | Blockchain for Biomedical Research and Healthcare : Concept, Trends, and Future Implications // edited by Prasun Kumar, Aparna Kumari   |
| Pubbl/distr/stampa      | Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024  |
| ISBN                    | 981-9742-68-4   |
| Edizione                | [1st ed. 2024.]   |
| Descrizione fisica      | 1 online resource (0 pages)   |
| Collana                 | Interdisciplinary Biotechnological Advances, , 2730-7077  |
| Altri autori (Persone)  | KumariAparna  |
| Disciplina              | 660.6   |
| Soggetti                | Biotechnology<br>Biology - Technique<br>Bioinformatics<br>Medicine - Research<br>Biology - Research<br>Biology<br>Biological Techniques<br>Biomedical Research<br>Biological Sciences   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | Chapter 1. Introduction of Blockchain for biomedical and Helathcare System -- Chapter 2.Existing Tools and Technologies in Biomedical and Healthcare System -- Chapter 3.Revolutionizing Healthcare Efficiency: Blockchain-Driven Process Enhancement -- Chapter 4. Enhancing Security And Privacy In Wireless Medical Sensor Networks Through Blockchain-Enabled Edge Computing -- Chapter 5. Dense Net-Melanoma Classification in Block chain-Driven Healthcare -- Chapter 6. MedBlock: Privacy-preserving Framework for Next-Generation Electronic Health Records -- Chapter 7.Governing Blockchains in the Healthcare Ecosystem -- Chapter 8.Improved and Secure Medical Record Management -- Chapter 9. Securing Drug Supply Chain Management Using Blockchain -- Chapter 10. Revolutionizing Healthcare Processes: The Dynamic Role of Blockchain Innovation -- Chapter 11.Prospective Issues and Challenges for Adopting Blockchain for Biomedical and Healthcare Systems -- Chapter 12.Empowering |

Patients: Unlocking Benefits through Blockchain Integration in IoT-Based Biomedical and Healthcare Systems -- Chapter 13. Integrating Healthcare Management system using Blockchain Technology -- Chapter 14. Future Implications of Blockchain for Biomedical and Healthcare.

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Sommario/riassunto

Blockchain is a new type of technology that combines and secures information exchange between different stakeholders such as medical practitioners, patients, healthcare providers, and other applicable parties. Among them, Blockchain Technology is one of the most important areas in the bioinformatics application of biomedical research and healthcare systems utilizing unique requirements and integration features. All the chapters are written by experts and researchers working in various areas of the biomedical and healthcare domain and they also dive into one of the most overlooked methodological, practical, and moral questions to secure and handle the enormous amount of data being generated from IoT-enabled biomedical and healthcare systems. In the beginning, this book presents an overview and then discusses open issues, challenges, and applicability aspect of Blockchain technology in healthcare. Then, this book presents a variety of perspectives on the most pressing questions in the field, for example: how IoT can connect billions of biomedical and healthcare information; how the blockchain-based secure access control mechanisms in biomedical and healthcare work; how to address the Quality-of-Service (QoS) and real-time accessibility requirements for healthcare applications; and how to ensure communication with efficiency. Also, it discusses Blockchain for IoT-enabled healthcare systems and presents a comparative analysis with respect to various performance evaluation metrics too.

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