



ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN HEALTHCARE

**CALL FOR RESEARCH PAPERS AND CONCEPTUAL
PAPERS FOR EDITED BOOK VOLUME**

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ABOUT THE BOOK

- Artificial intelligence (AI) and related technologies are increasingly prevalent in business and society, and are beginning to be applied to healthcare. These technologies have the potential to transform many aspects of patient care, as well as administrative processes within provider, payer and pharmaceutical organizations. There are already a number of research studies suggesting that AI can perform as well as or better than humans at key healthcare tasks, such as diagnosing disease. Today, algorithms are already outperforming radiologists at spotting malignant tumors, and guiding researchers in how to construct cohorts for costly clinical trials. However, for a variety of reasons, we believe that it will be many years before AI replaces humans for broad medical process domains. Through this project, we describe both the potential that AI offers to automate aspects of care and some of the barriers to rapid implementation of AI in healthcare.

THEMES

- Applications of Artificial Intelligence (AI) and machine learning (ML) for smart healthcare
- AI and ML for diagnosis, prediction, and surveillance of disease
- AI based eHealth initiatives in India
- AI and ML in Covid-19 research
- AI and ML health ecosystem in India
- AI and ML for Universal health coverage in India
- Applications of AI and ML in telemedicine
- AI and ML for electronic health records
- Deep learning for pattern recognition
- AI and ML for health research
- Natural Language Processing (NLP) in Healthcare
- Internet of Things (IoT) in healthcare
- Deep learning, Reinforcement learning, auto ML in healthcare

GENERAL GUIDELINES

- Authors interested in submitting a book chapter for the book are invited to send, at first, one single proposal in word format comprising: a chapter abstract (500 words), chapter outline and a title; one b&w image; five keywords; author(s) name(s); current affiliation and e-mail address; a short bio (100 words) and a list of 3-5 recent publications.
- Word count of full chapter: 6000-6500 (including references; Times New Roman 12 font size; 1.5 spacing; doc file)
- Paper or articles should be original and unpublished contribution.

GENERAL GUIDELINES

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- There should not be end or foot notes.
- References should be listed at the end of article in APA format and alphabetically sorted, with clearly mentioning the sources including page / pages (website links if any).
- The article/ research paper once submitted to this edited book should not be resubmitted simultaneously to other journals of elsewhere for consideration.
- The author(s) name, designation, official/residential address along with e-mail ID should be appear below the main title of paper followed by abstract and then text respectively.

TIMELINES

- Proposals (Abstract) submission: **28 Oct 2022**
- Abstract Acceptance notification: **08 November 2022**
- Full paper submission deadline: **08 December 2022**
- Please send us your proposals to drdkyadav@nihfw.org
anamikagulati@jnu.ac.in
- If you have any queries or require further information, do not hesitate to contact the editors at the e-mail address of the proposal submission.

PLAGIARISM

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