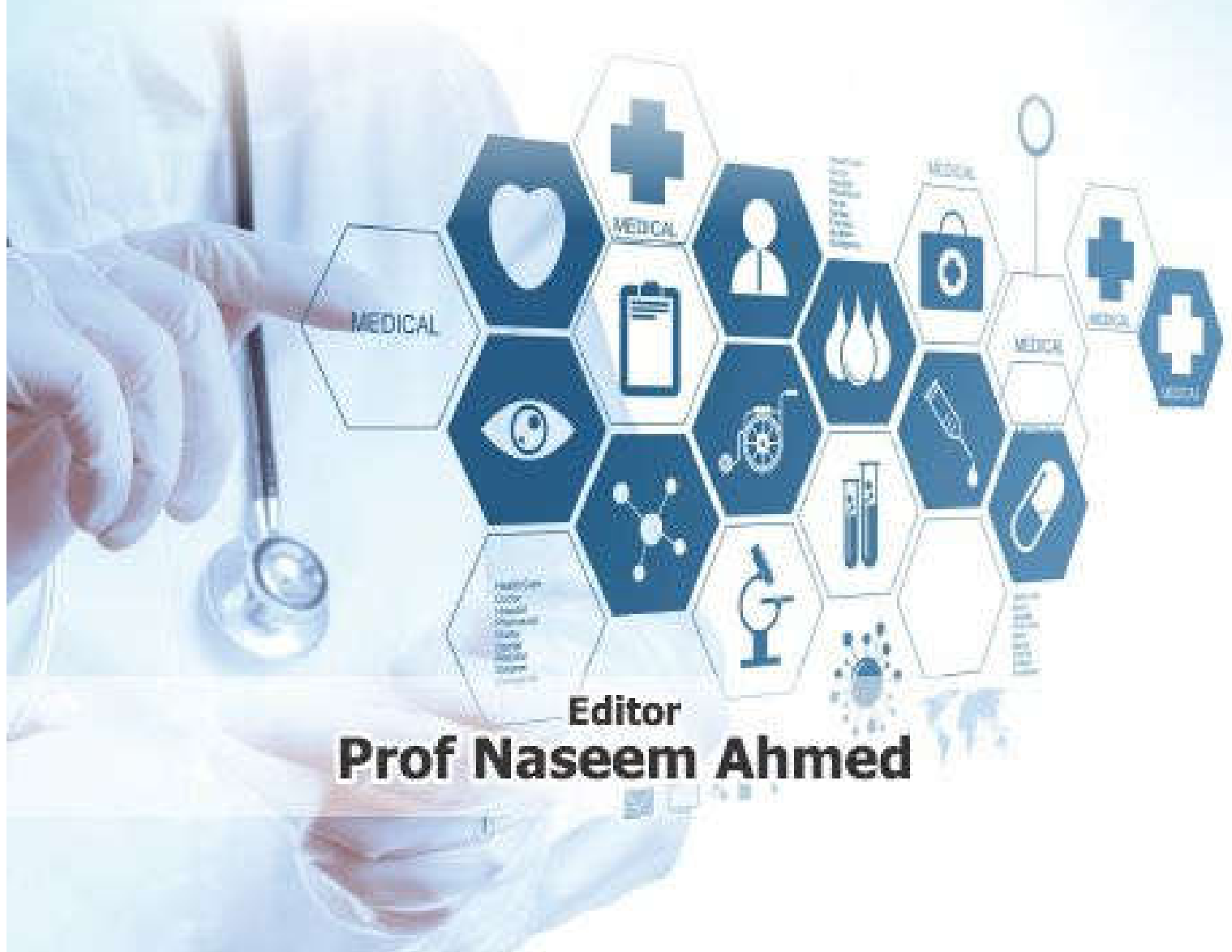


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# Convergence of Health



**Exploring Legal and Medical Perspectives**



**Editor**  
**Prof Naseem Ahmed**

# **CONVERGENCE OF HEALTH**

**Exploring Legal and Medical Perspectives**

**Editor**

**Prof. Naseem Ahmed**

**Nitya Publications**

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## Foreword

It is with deep pleasure and scholarly enthusiasm that I introduce this edited volume, *“Convergence of Health: Exploring Legal and Medical Perspectives.”* In an era defined by complex public health challenges—from global pandemics to the ever-evolving frontiers of biotechnology—our understanding of health must transcend disciplinary boundaries. This book exemplifies such a transdisciplinary endeavor by bringing together legal and medical scholarship in a coherent and mutually illuminating conversation.

This Book stems from the April 2024 International Conference at Integral University, Lucknow, where experts from diverse fields across India and abroad shaped its intellectual foundation through presentations and discussions. It stands out for its structured and systematic exploration of fifteen interconnected topics bridging law and medicine. It explores public health policy, emergency response, medical ethics, evolving legal norms in patient rights and negligence, and complex issues in mental health and reproductive law. The volume also addresses ethical concerns in organ donation, the rise of digital health and telemedicine, clinical trial regulation, and the legal frameworks ensuring fair access to medicines, especially in the context of TRIPS and domestic legislative schemes. Of special note are the chapters that foreground the rights of persons with disabilities and the legal intricacies of live-in relationships and informed consent.

It gives me immense pride to acknowledge Professor (Dr.) Naseem Ahmed, Dean of the Faculty of Law at Integral University, for his exemplary editorial stewardship of this volume. Each chapter has undergone a stringent peer-review process to ensure academic rigor, clarity of argument, and practical relevance. His scholarly foresight has brought together a rich tapestry of interdisciplinary perspectives, making this work a valuable resource for both research and pedagogy.

I also extend my sincere appreciation to the entire editorial team and contributing authors for their commitment to producing work that is both intellectually sound and deeply relevant to contemporary legal and medical challenges. Further, I am confident that the present Book on ‘Convergence of Health’ will prove to be essential reading for students of law and medicine, scholars, and professionals in public health and policymakers.

PROF. (DR.) PRITI SAXENA

# Preface

When I began exploring topics for my Ph.D. research, several important issues came to mind. Among them, the **Right to Health** stood out as a subject of deep personal and academic interest. As I delved into the research, I came to realize that health is not only the most essential aspect of human life but also one of the most neglected areas in terms of governmental responsibility – both from clinical and legislative perspectives.

Eventually, I completed my Ph.D. on the topic "*Right to Health in India*". Since then, health has remained my favorite and most consistent area of research. Recognizing the interdisciplinary nature of health – encompassing law, medicine, policy, and human rights – we have continuously worked to build dialogue around this topic. This has included organizing a number of lectures and symposiums aimed at deepening the understanding of health in all its dimensions.

In continuation of these efforts, we organized the **International Conference on Convergence of Health: Exploring Legal and Medical Perspectives** on **April 27-28, 2024**, at **Integral University, Lucknow**. This collaborative initiative by the **Faculty of Law** and the **Faculty of Medicine and Health Sciences** brought together a wide range of participants, including legal experts, clinicians, researchers, policymakers, and students from across India and abroad. The diverse and dynamic discussions during this event laid the intellectual foundation for this book.

From approximately **40 research papers** presented at the conference, we have carefully selected **20 scholarly chapters** for inclusion in this edited volume. These contributions reflect a rich and thoughtful engagement with the evolving challenges and developments in the field of health, viewed through both legal and medical lenses.

Health is a dynamic subject, one that requires constant research and academic attention. I hope this book will serve as a valuable resource for researchers seeking to identify gaps in the existing literature, as well as for academicians involved in teaching **Health Law** and related interdisciplinary subjects.

I express my heartfelt gratitude to the **conference's Managing Committee** for their support and vision. I am especially thankful to **Dr. Sadaf Khan**, whose persistent encouragement and tireless efforts have been instrumental in bringing this book into publication.

**Prof. Naseem Ahmed**

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# AI for Public Good: Managing Health Risks and Opportunities

Dr. Tulika Singh<sup>1</sup>

## Abstract

Artificial Intelligence (AI) is reshaping public health paradigms, offering transformative benefits while posing novel legal and ethical challenges. This chapter explores AI's role in advancing health as a global public good, emphasizing the need for a rights based, equity oriented governance framework. It redefines the concept of "public good" in the digital health era, analyzing how AI technologies intersect with the right to health and ethical imperatives outlined by WHO, UNESCO, and UNHRC.

The chapter examines AI applications in disease surveillance, diagnostics, telemedicine, and precision medicine, highlighting both their promise and the risks of algorithmic bias, data inequities, and cybersecurity threats. It scrutinizes the Indian legal ecosystem including the IT Act 2000 and the Digital Personal Data Protection Act 2023 alongside global regulatory frameworks such as the EU Artificial Intelligence Act 2024, US FDA guidelines, and WHO's governance principles for health AI.

Through a comparative legal lens, the chapter advocates for ethical AI deployment via transparency, explainability, and institutional capacity building. It proposes policy innovations like ethics by design, regulatory sandboxes, and public private collaboration to align AI with public health values. The chapter offers a roadmap for inclusive, accountable, and resilient AI governance that upholds human dignity in global health systems.

**Keywords:** *Artificial Intelligence, Public Health, Global Public Good, Digital Health, Health Law etc.*

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