



ComSIA-2026

International Conference on Computing Systems and Intelligent Applications

Organized by School of Open Learning, University of Delhi & Shaheed Rajguru
College of Applied Sciences for Women, University of Delhi
20-21st March 2026.

******* CALL FOR PAPERS *******

SPECIAL SESSION ON

Next-Generation Computing Techniques in Healthcare and Medical Research

SESSION ORGANIZERS:

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EDITORIAL BOARD: (Optional)

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SESSION DESCRIPTION:

In this digital era, Artificial intelligence (AI) technologies are increasingly widespread in healthcare. AI innovations have the potential to transform many aspects of patient care and administrative processes. Healthcare informatics and biomedical engineering are essential to the effectiveness of modern healthcare systems. The advancement of AI, Machine Learning, Big data and IOT technologies has significantly enhanced various healthcare applications. AI techniques have replaced human-based systems, providing accurate predictions and diagnoses for healthcare diseases. Machine learning and deep learning technologies have facilitated the development of reliable and precise healthcare models. AI is capable of addressing complex challenges within the biomedical industry and is likely to outline the future of healthcare systems. Moreover, as cybersecurity threats to healthcare and biomedical applications increase in both number and severity, AI helps providers detect vulnerabilities and respond to data breaches swiftly and with high accuracy. The main aim of this special session is to

solicit original research work covering novel algorithm and innovative methods. These techniques with meaningful applications in Computational Techniques, Block chain and IOT would potentially lead to significant advances in the domain.

RECOMMENDED TOPICS:

Topics to be discussed in this special session include (but are not limited to) the following:

- Artificial Intelligence in Healthcare systems.
- AI-based Prediction of Diseases in Medical Images.
- Disease detection and Classification using Machine Learning.
- Machine learning for pandemics detection and forecasting.
- Deep learning for healthcare and bio-medical engineering.
- Use of IOT and AI in Securing Biomedical System.
- Image processing and analysis for medical images using deep learning.
- Classification and Analytics of Medical Images.
- Healthcare and Medical Images Security.
- Future directions for use of AI and ML in securing healthcare applications.
- Use of Internet of Things and AI in Securing Biomedical Systems.
- Robotics in healthcare
- Telemedicine

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **[insert special session topic] on or before [insert due date]**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at https://comsia.in/paper_submission.html. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **[insert special session title]** at the top (above paper title) of the first page of your paper.

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