Special Issue

Deep Learning for Hyperspectral Data Analysis and Manipulation of Augmented Medical Data

Message from the Guest Editor

This Special Issue focuses on the innovative application of deep learning algorithms in processing hyperspectral textual data, medical documents, and manipulating augmented medical data. Deep learning models demonstrate unparalleled capabilities in extracting insights from vast unstructured medical text, such as clinical notes, research papers, and patient records. Using advanced natural language processing, these models accurately interpret and categorize data, enabling efficient access to information for diagnosis, treatment planning, and research. The integration of deep learning with augmented medical data introduces a new dimension to medical analysis. Augmented data includes electronic health records, medical imaging, genomic data, and wearable sensor data. Deep learning techniques enable researchers to analyze these augmented sources, uncovering patterns, predicting outcomes, personalizing treatments, and enhancing patient care. This Special Issue invites contributions exploring the latest advancements, challenges, and applications in this field, offering valuable insights into the future of healthcare informatics.

Guest Editor

Dr. Saad Bin Ahmed
Faculty of Science and Environmental Studies, Computer Science Department, Lakehead University, Thunder Bay, ON P7B 5E1, Canada

Deadline for manuscript submissions

31 October 2026

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/204445

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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