



ICICCS-2026

International Conference on Intelligent Computing and Communication Systems

ORGANISED BY: BIRMINGHAM CITY UNIVERSITY, ENGLAND, UNITED KINGDOM

14-16th July 2026

Conference Website: <https://iciccsconference.com/>

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

SPECIAL SESSION ON

Explainable and Sustainable Artificial Intelligence for Smart Agriculture and Healthcare

SESSION ORGANIZERS

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SESSION DESCRIPTION

This special session aims to explore recent advances in explainable, trustworthy, and sustainable artificial intelligence for applications in smart agriculture and healthcare systems. With the increasing adoption of AI-driven technologies in critical domains, ensuring transparency, reliability, and ethical deployment has become essential. The session focuses on intelligent systems that support disease detection, crop monitoring, medical diagnosis, predictive analytics, and decision support using interpretable and resource-efficient models.

The objective of this session is to bring together researchers, practitioners, and industry experts to present innovative solutions that integrate deep learning, computer vision, data analytics, and explainable AI. Emphasis is placed on real-time applications, deployment challenges, and human-centric system design. The session encourages contributions that bridge the gap between theoretical research and practical implementation, promoting sustainable and socially responsible intelligent technologies.

RECOMMENDED TOPICS

- Explainable AI for agriculture and healthcare applications
- Deep learning for plant disease and medical diagnosis
- Computer vision in smart farming and biomedical imaging
- AI-based decision support systems

- Sustainable and energy-efficient intelligent systems
- Generative AI for recommendation and advisory systems
- IoT and sensor-based intelligent monitoring
- Human-centered and ethical AI systems
- Multimodal data fusion for healthcare and agriculture
- Real-time AI deployment and edge computing

SUBMISSION PROCEDURE

Researchers, academicians, and industry practitioners are invited to submit original research papers to this **special session on Explainable and Sustainable Artificial Intelligence for Smart Agriculture and Healthcare** by **28 February 2026**.

All submissions must be original and should not be under review or published elsewhere. Papers must be prepared and submitted in accordance with the conference manuscript submission guidelines available at: <https://iciccsconference.com/paper-submission/>

All submitted papers will undergo a double-blind peer review process.

IMPORTANT NOTE

While submitting the manuscript, authors must clearly mention the Special Session Title at the top of the first page of the paper (above the paper title) to ensure correct consideration under this special session.