

Manuscript Submission Requirements

For consideration at the conference, submitted research manuscripts must satisfy the following conditions:

- **Thematic Relevance:** The research must directly address one of the designated conference themes.
- **Originality:** The manuscript must represent original work that has not been previously published, presented, or submitted for consideration to any journal, academic institution, or conference proceedings.
- **Citation Style:** Authors must strictly comply with the American Psychological Association (APA) formatting and citation guidelines.
- **Technical Formatting:** Manuscripts must be submitted electronically in Microsoft Word format (.docx) with the following specifications:
 - Line spacing: 1.5
 - Arabic text: Simplified Arabic font, size 14 pt
 - English text: Times New Roman font, size 12 pt

Registration and Fees

Conference registration is completed by filling in the required data and information in the participation form available on the conference website. Participation fees, as specified below, shall be paid upon acceptance of the paper, no later than two weeks from the date of acceptance.

First: In-person participation from outside Jordan

Participants attending in person from outside Jordan shall pay a participation fee of USD 200 via bank transfer to the conference account indicated below. This fee covers two nights of hotel accommodation, hospitality, and transportation from the airport to the conference venue and back to the airport, the electronic conference book, the conference bag, and a certificate of participation.

Second: Online participation from outside Jordan

Participants attending online from outside Jordan shall pay a participation fee of USD 100 via bank transfer to the conference account indicated below. This fee covers the electronic conference book, a certificate of participation, and online access to conference sessions.

Third: Participation from within Jordan (in-person or online)

Participants from within Jordan are granted exemption from conference participation fees for both in-person and virtual modalities. This exemption includes electronic conference proceedings, a participation certificate, and conference materials for in-person attendees.

Conference account number

Bank name: Capital bank of Jordan

IBAN: JO52EFBK046000000000004692133

Swift code: EFBKJOAMXXX

Conference participation form

College of Agriculture International Conference – Irbid National University

Important Notes and Significant Dates

Submission Deadlines:

- **Abstract Submission:** March 5, 2026 (Final deadline)
- **Complete Manuscript Submission:** March 21, 2026 (Final deadline)

Participation Regulations:

- **Payment Timeline:** Authors have a maximum of two weeks following acceptance notification to submit conference participation fees.
- **Non-Refundable Policy:** All submitted fees are non-refundable should an author elect to withdraw from the conference.
- **Participation available:** In-person or virtual
- **Payment Verification:** Following payment of participation fees, authors must submit a scanned copy of the payment receipt to: Agriculture@inu.edu.jo

Registration and Fees

WhatsApp: +962772653974

+962795095213

Email: Agriculture@inu.edu.jo

Conference Fees

International Participant (In-Person Attendance):
USD 200

International Participant (Virtual Attendance):
USD 100

Domestic Participant: Free of Charge



جامعة إربد الأهلية
IRBID NATIONAL UNIVERSITY



International Peer-Reviewed Conference "on Sustainable Water, Agricultural and Food Security Systems in the Era of AI"



The conference will be held on May 12–13, 2026, at Irbid National University, with participation available in both in-person and virtual modes.

Conference Introduction

The Conference on Artificial Intelligence Requirements in Irrigation, Agriculture, and Pathways to Achieving Sustainable Food Security, organized by Irbid National University, will be convened on May 5-6, 2026. Water is a fundamental cornerstone for life and agricultural sustainability. In light of the intensifying climatic challenges anticipated in 2026, smart agriculture has emerged as an indispensable strategic approach to ensuring sustainability and mitigating water scarcity crises and soil degradation. Therefore, establishing robust digital infrastructure is imperative to support strong communication networks—particularly fifth-generation (5G) technologies—essential for enabling sensor devices and Internet of Things (IoT) applications. The transition toward smart agriculture necessitates the integration of multiple technical and structural components, including advanced irrigation systems. Specifically, this entails the adoption of intelligent drip irrigation and subsurface irrigation systems equipped with soil moisture sensors, supplemented by artificial intelligence-derived data to develop comprehensive databases of climate and soil characteristics. This integrated approach facilitates the precise determination of actual crop water requirements while simultaneously reducing water wastage.

All of these objectives necessitate the development of qualified human resources through comprehensive training programs for farmers and engineers in the application of contemporary technologies and digital farm management. Such capacity building is essential to achieve sustainable food security that is responsive to the contemporary realities and multifaceted challenges confronting the water, agriculture, and food sectors. Researchers are expected to serve as catalysts for the conference's success by contributing their scholarly research and scientific expertise to enrich scientific discourse, facilitate knowledge exchange, and promote collaborative learning within this critical domain. Hence, the present conference convenes to illuminate the significance of water resources and smart agriculture while exploring sustainable pathways toward food security achievement.

Conference Aims and Objectives

This conference seeks to achieve the following strategic objectives:

- Promote innovation in irrigation and agriculture through modern technologies that ensure sustainable natural resource management.
- Contribute to the identification and development of strategic pathways aimed at narrowing the food commodity gap and advancing comprehensive food security objectives.
- Integrate advanced digital solutions—including remote sensing technologies and artificial intelligence systems—into comprehensive crop management practices.
- Advance toward “Blue Food Security” and foster innovation in food production under harsh climatic conditions.
- Strive to balance water security with the sustainability of agricultural production through digital solutions and smart irrigation programs.
- Facilitate discussions on key issues related to irrigation, agriculture, and food security; solicit innovative ideas from participants and present them to the wider scientific community
- Deploy digital solutions and artificial intelligence to develop intelligent nutritional advisory systems for preventing obesity and nutrition-related diseases, advancing healthy food security goals.

Committees

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Prof. Fikri Al-Dweiri \ Dean of the Faculty of Educational Sciences

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Dr. Zainab Zueter\ Department of Nutrition and Dietetics

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Dr. Zainab Zueter \ Department of Nutrition and Dietetics

Dr. Muhammad Rasool Al-Kilani\ Department of Irrigation and Smart Agriculture

Prof. Mohammad Alrababah\ Department of Natural Resources and Environment

Prof. Bayan Ahmed Obeidat\ Department of Nutrition and Food Technology,
Jordan University of Science and Technology

Conference Thematic Areas

Thematic Area I: Smart Agriculture's Potential for Enhancing Crop Productivity.

Thematic Area II: Applications of Artificial Intelligence and Digital Transformation in Water Management and Smart Agriculture.

Thematic Area III: Sustainable Agricultural Practices and Food Security under Climate Change.

Thematic Area IV: Food Safety and Quality Assurance, Sustainable Food Manufacturing, and Food Security.

Thematic Area V: Socioeconomic Challenges and Initiatives for Smart Agriculture Adoption.

Thematic Area VI: Successful International and Regional Initiatives and Best Practices in Water Resources, Smart Agriculture, and Food Security.

Thematic Area VII: Technological Innovation and Smart Management of Natural Resources and Their Role in Advancing Food Production Systems.

Thematic Area VIII: Initiatives, Investment Opportunities, and Entrepreneurship in the Water Sector, Smart Agriculture, and Food Commodity Production.

Thematic Area IX: Leveraging Artificial Intelligence to Promote Healthy Dietary Patterns and Prevent Obesity as a Pillar of Sustainable Food Security.

Terms and Conditions for Conference Participation:

Eligibility and Participation Modalities: The conference welcomes participation from faculty members, researchers, graduate students, policymakers, agricultural sector representatives, and practicing farmers. Participants may contribute by submitting research papers, empirical studies, or working papers, or by attending as discussants.

Abstract Submission: Electronic abstracts must be submitted containing the research title, author identification, and a summary of 200-250 words. The abstract submission deadline is March 5, 2026. Preliminary acceptance notifications will be communicated within three (3) business days following receipt. (Agriculture@inu.edu.jo)

Full Manuscript Submission: Complete manuscripts in final form must be submitted electronically by March 21, 2026. The review committee's determination regarding conference acceptance will be communicated within ten (10) business days of manuscript receipt.

(Agriculture@inu.edu.jo)

Manuscript Specifications: Submissions are accepted in Arabic or English in Microsoft Word format (.docx), with abstracts required in both languages. Manuscripts are limited to a maximum of thirty (30) pages.

Publication Arrangements: Research papers presented during conference sessions—including virtual presentations—will be published in the Conference Proceedings Book (PDF format) at no cost to authors. The organizing institution retains publication rights, and the proceedings will receive a deposit number from the Jordanian National Library. Scientific papers that meet the requirements of rigorous scholarly research will be published—provided that the researcher bears the journal's publication fees—in one of the following journals:

- Irbid National University Journal for Research and Studies.
- Water MDPI, Scopus Q1.
- Journal of the Saudi Society of Agricultural Sciences, Scopus Q1.
- Discover Food, Scopus Q1.