



**Prof. Dr. Iqrar Ahmad Khan (S.I., H.I.)**  
Vice Chancellor, UAF



**Dr. Wu Jun**  
GZIS-China

# PAKISTAN-CHINA JOINT LAB FOR AI AND SMART AGRICULTURE

## Vision

To pioneer a future where AI-driven innovations revolutionize agriculture.

## Mission

To create a resilient and thriving agricultural system that meets the challenges of tomorrow and ensures a food secure future for generations to come.






## Objectives

- The officials of three organizations can benefit from the research facilities, libraries, and laboratories of three organizations.
- Three parties declare that they will collaborate with each other to benefit their students, faculties, and communities, with the prime objective of promoting education and research in postgraduate studies.
- The concerned scientists/engineers of three organizations may act as co-supervisors for the students of other institute for their research and thesis.

## Focal Persons

- Dr. Wu Jun (Director of Intelligent Video Lab, GZIS-China)
- Dr. Yaun Feng (Executive Deputy Director, GZIS-China)
- Dr. Yan Kai (Technical Director, CAS-China)
- Tu Xiaofang (Scientific Director, CAS-China)
- Dr. Sultan Habibullah Khan (Director, CAS-AFS)
- Dr. Saqib Ali (Associate Professor, CAS-AFS)

## Current Projects

-  High Throughput Crop Monitoring using Computer Vision for Climate Smart Agriculture, funded by Asian Disaster Preparedness Center - World Bank
-  AgroChain - A Wheat and Sugar Traceability Solution using IoT and Blockchain, funded by HEC Pakistan
-  Piloting Precision Agriculture Technologies in the Selected Agro-Ecological Zones of Punjab, funded by Agriculture Department, Government of Punjab
-  Sustainable Agricultural Production System in Urban Areas by Using CNC Kitchen Gardening Robot, funded by NCRA, NUST - Rawalpindi
-  AgroChain - An Intelligent System to Track Down Counterfeit Agricultural Inputs using IoT & Blockchain Technology, funded by Endowment Fund, UAF

## Partners

- Center for Advance Studies, University of Agriculture, Faisalabad
- GuangZhou Institute of Software Application Technology, P.R. China
- Ministry of Science and Technology



**Center for Advanced Studies in Agriculture and Food Security (CAS-AFS)**  
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# INTERNATIONAL SEMINAR ON AI AND SMART AGRICULTURE AND INAUGURATION OF PAKISTAN-CHINA JOINT LAB FOR AI AND SMART AGRICULTURE

The seminar explores the synergies between artificial intelligence and agriculture, paving the way for sustainable practices, enhanced productivity, and resilient food systems in the country. It serves as a platform for experts, researchers, and practitioners to exchange insights, strategies, and advancements in utilizing AI for enhancing agricultural productivity and efficiency. The joint lab aims to cultivate a future where smart technologies empower farmers to mitigate challenges, optimize resources, and ensure food security for generations to come.

## 7th May 2024

Time	Program
10:00 AM - 11:00 AM	Registration of the Participants
11:00 AM - 11:05 AM	Recitation
11:05 AM - 11:15 AM	Welcome Address - Prof. Dr. Iqrar Ahmad Khan (S.I., H.I.)
11:15 AM - 11:30 AM	The Role of AI in Revolutionizing Agriculture - Dr. Wu Jun
11:30 AM - 11:45 AM	Pak - China Joint AI Lab – Mission and Vision - Prof. Dr. Sultan Habibullah Khan
11:45 AM - 12:00 PM	Sustainable Agriculture through AI-driven Practices - Dr. Saqib Ali
12:00 PM - 12:15 PM	Comments by Secretary - Federal Ministry for Science and Technology
12:15 PM - 12:30 PM	Address by the Chief Guest - Honorable Federal Minister for Science and Technology
12:30 PM - 12:40 PM	Distribution of Shields
12:40 PM - 12:50 PM	Vote of Thanks
12:50 PM - 1:00 PM	Inauguration of Pak China Joint Lab on AI and Smart Agriculture
01:00 PM	Lunch

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