



# 1st International Emerging Scholars Forum (IESF-2025)

August 20-22, 2025, Faisalabad, Pakistan

**Theme:** “Emerging Insights for a Resilient Future: Climate, Equity, and Innovation in Agri-Food Systems.”

## **Sub-themes:**

Climate Resilience & Sustainable Resource Economics and Management

Agri-Food System Transformation, Food Security & Market Dynamics

Technology & Data-Driven Agriculture

Equity, Policy & Institutional Innovation

Emerging Methodologies & Interdisciplinary Approaches

## **Collaborators:**



**AGRICITIES**  
Uluslararası Tarım Şehirleri Birliği  
International Agricultural Cities Union



**FEDERAL UNIVERSITY DUTSE**  
Knowledge, Excellence & Service



## Preface

We are delighted to present the program of the **1st International Emerging Scholars Forum (IESF-2025)** on “*Building Resilient Agri-Food Systems in a Climate-Vulnerable World.*” The forum is a milestone event designed to spotlight the critical contributions of early-career researchers to the sustainability, equity, and innovation of agri-food systems globally.

The response to IESF-2025 has been truly overwhelming. We received many high-quality abstract submissions from across the world, reflecting the energy and diversity of emerging scholarships in this field. After a rigorous review process conducted by our esteemed technical committee and expert reviewers, **171 abstracts** were selected for presentation. These represent a wide range of disciplinary perspectives, methodological approaches, and regional contexts.

The forum offers a dynamic platform for scholarly exchange across a rich set of **interdisciplinary themes**. It explores how economic thinking and evidence-based strategies can build climate resilience in agri-food systems, from **climate-smart agriculture**, **water-energy-food nexus optimization**, and **green innovation** to the **valuation of ecosystem services** and **carbon pricing**.

The program also examines agri-food system transformation in the face of policy shifts, market disruptions, and global challenges. Sessions delve into the resilience of value chains, digital agriculture platforms, trade liberalization, and behavioral economics dimensions of food and nutrition security.

Technology and data innovation feature prominently, with researchers presenting on the use of **AI**, **remote sensing**, **blockchain**, and other tools for enhancing productivity, traceability, and inclusive innovation, while also engaging with critical questions around data ethics and digital equity.

In addition, the forum foregrounds **institutional and policy innovations**, tackling issues such as **land tenure reform**, **gender equity**, **labor migration**, and **community-led adaptation**. A special emphasis is placed on indigenous knowledge systems and the need for participatory governance mechanisms in agricultural transformation.

Importantly, IESF-2025 promotes the use of **emerging methodologies** and **mixed-methods research**, including life cycle assessment, circular bioeconomy modeling, experimental designs, and interdisciplinary approaches that bridge economics, ecology, and the social sciences.

We extend our sincere appreciation to all contributors, reviewers, session chairs, and organizing partners for their commitment to making IESF-2025 a success. It is our hope that the conversations initiated here will not only foster meaningful collaboration among emerging scholars, but also inform future research and policy aimed at creating resilient, inclusive, and sustainable agri-food systems.

**IESF-2025 Organizing Committee**



## **Session Guidelines for IESF-2025 Presenters and Participants**

To ensure a smooth and productive conference experience, all presenters and attendees are kindly requested to observe the following session guidelines:

### **Session Format and Timing**

- Each **technical session will run for a total of 120 minutes** (2 hours), accommodating multiple paper presentations under a common theme.
- Each presentation is allocated **10 minutes**, comprising:
  - **8 minutes for the presenter** to deliver their research,
  - **2 minutes for questions and answers (Q&A)** from the session chair and audience.
- Session chairs will strictly monitor time to ensure that all presenters receive their fair share of attention and to maintain the schedule.

### **Joining Sessions**

- **Presenters and participants are requested to join their assigned session at least 5 minutes before the scheduled start time.** This will allow time for technical checks and brief coordination by the session chair or moderator.
- Please ensure that your microphone, camera, and presentation file are working properly before the session begins.
- All sessions will be recorded; recordings will be available on YouTube.

### **Accessing Sessions Online**

- The conference is being conducted **virtually** with **Microsoft Teams** as the platform for virtual participation.
- **Clickable MS Teams links are embedded in each session title** within the program schedule. Participants can access their respective sessions directly by clicking on the session name.
- Additionally, for convenience, the session link is also provided **at the end of each session description**.
- If you encounter any access issues, please reach out to the technical support team listed in the contact section of this booklet.

### **Time Zone**


- All session times mentioned in the program are in **Pakistan Standard Time (PST) – GMT +5**.
- International participants are advised to convert session timings to their local time zones accordingly to avoid missing their presentations or sessions of interest.

We appreciate your cooperation in following these guidelines and contributing to a collaborative and professional forum. The IESF-2025 team is committed to providing a meaningful and seamless experience for all participants.



**Day 1. 20.08.2025**

**Inaugural Session**

** 10:00–11:30 AM (PKT)**

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|-------------------|---|-----------|
| 1                 | Recitation from the Holy Quran & Naat   | 10:00 AM  |
| 2                 | Introduction to the Forum,<br>Dr. Muhammad Khalid Bashir  | 10:10 AM  |
| 3                 | Welcome Address<br>Prof. Dr. Asghar Ali   | 10:20 AM  |
| 4                 | Vice-chancellor UAF Address   | 10: 30 AM |
| <b>Keynote 1:</b> |   |           |
| 5                 | <b>Sustainable Agriculture and Artificial Intelligence (AI)</b><br>Professor Kadambot Siddique, The University of Western Australia   | 10:40 AM  |
| <b>Keynote 2:</b> |   |           |
| 6                 | <b>Emerging Insights for a Resilient Future: Climate, Equity, and Innovation in Agri-Food Systems</b><br>Dr. Md. Aminur Rahman, Professor & Chairman, Department of Fisheries and Marine Bioscience, Faculty of Biological Science and Technology, Jashore University of Science and Technology (JUST), Jashore, Bangladesh | 11:05 AM  |
| <b>Keynote 3:</b> |   |           |
| 7                 | <b>Bridging Research and Policy for Climate-Resilient Agri-Food Systems: Priorities for Emerging Scholars</b><br>Dr. Ejaz Qureshi, Honorary Associate Professor at the Fenner School of Environment and Society, Australian National University (ANU)   | 11:30 AM  |


**[MS Teams Link to the Session](#)**

**Meeting ID: 410 303 498 089 6**

**Passcode: Dx32jj2P**



## **Session 1A: Climate Resilience, Health, and Sustainability in Education and Agriculture**

 **12:00–02:30 PM (PKT)**

**Session Chair:** Dr. Rakhshanda Kousar, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan

**Co-chair:** Dr. Muhammad Sohail Amjad Makhdum, Department of Economics, GC University Faisalabad, Pakistan

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|---|---------------------------|---|
| 1 | Mrs Summia                | Keeping Classrooms Cool: A Circular Economy Approach to Heatwave-Resilient Schools in Pakistan                                      |
| 2 | Ayesha Riaz               | Impact of Dietary Choices on the Health and Academic Performance of Secondary School Girls in Tehsil Jaranwala, District Faisalabad |
| 3 | Ijaz Ashraf               | Impact of Overscheduling on the Health and Academic Performance of Private School Students  |
| 4 | Sana Fayyaz               | Technological Innovation, Pollution, and Agricultural Resilience: Economic and Health Impacts in Belt & Road Countries              |
| 5 | ADELEKE, Emmanuel Adetayo | Determinants of Flood Risk Mitigation Strategies among Rice Farmers in Kano State, Nigeria  |
| 6 | Qadir Bux Aghani          | Assessing the Economic and Food Security Implications of Climate Change in Sindh, Pakistan  |
| 7 | Muhammad Usman            | Climate-Smart Agriculture: Adoption Pathways, Impacts, and Policy Implications for Sustainable Development                          |
| 8 | Saeed Ahmad Zaman         | Sustainable Resource Management and Green Economic Growth: A Global Perspective with Insights from Pakistan's Energy Sector         |
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**[MS Teams Link to the Session](#)**


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## **Session 1B: Socioeconomic Pathways to Climate Resilience and Sustainable Development**

 **012:00–02:30 PM (PKT)**

**Session Chair: Dr. Azhar Abbas, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair: Dr. Shoaib Akhtar, Department of Agri. Business and Marketing, BZU, Multan**

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1	Humaira Naz	Exploring the Socioeconomic Determinants of Early Marriages and Domestic Violence in Pakistan
2	Aiza Shabbir	Groundwater-Dependent Agricultural Use and Economic Development: Does It Follow an Environmental Kuznets Curve?
3	Amna Naeem	Examining Industrial Eco-Efficiency in the Carbon Border Adjustment Mechanism Regime: An Empirical Analysis of South Asian Countries
4	Maryam Sani	Asymmetric Association of Consumption and Production-based Carbon Emissions with Tourism Development in Pakistan
5	Azhar Rasool	Governance of Potato Value Chains for Regenerative Agriculture: Pathways to Sustainability and Climate Resilience in Pakistan
6	Shagufta Rasheed	Climate Change Adaptation and Sustainable Management of Natural Resources
7	Jawad Anwar	Innovative Pathways for Climate Resilience and Sustainable Resource Use
8	Muhammad Usman	Climate Change and Employment Dynamics in Pakistan: A Sectoral Investigation

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**[MS Teams Link to the Session](#)**

**Meeting ID: 460 369 656 385 6**

**Passcode: fV64Nw7s**



## **Session 1C: Resilient Agriculture and Rural Livelihoods in a Changing Climate**

 **012:00–02:30 PM (PKT)**

**Session Chair: Dr. Raza Ullah, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair:**

- 1. Ms. Wardah Naqvi, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**
- 2. Aqib Ali, Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan**

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1	Moula Bux Peerzado	A Study of Punjab, Pakistan's Farm Productivity in Relation to Land Consolidation and Agricultural Efficiency
2	Rahman Illahi	Solar Tube Wells: A Smart Shift for Punjab's Rice
3	Abrar Hassan	Effect of Working Conditions on the Job Satisfaction of Seasonal Workers in the Sugar Industry in Jhang District
4	Sadia Hussain	Climate Change Adaptation in Pakistani Agriculture: Exploring the Influence of Farmers' Awareness and Adaptive Capacity
5	Sehar Fatima	Modeling the Impact of Climate and Population Dynamics on Energy Demand: A Case Study of Pakistan
6	Kaynat	Determinants of Household Coping Strategies under Food Insecurity: Evidence from Afghan Refugees Living in Pakistan
7	Iqra Ejaz	Impact of Value Chain Participation on Smallholder Farmers' Livelihood Status: A Case Study of Pulse Growers in Punjab, Pakistan
8	La Ode M. Aslan	The Potential of Seaweed Utilization for Blue Economy Development in Indonesia


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**[MS Teams Link to the Session](#)**

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## **Session 1 D: Climate Resilience at the Nexus of Agriculture, Environment, and Economic Sustainability**

 **012:00–02:30 PM (PKT)**

**Session Chair: Dr. M. Amjed Iqbal, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair: Amna Yousaf, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

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1	Abubacarr A. Bah	Nexus Between Agriculture, Energy Use, Economic Growth, and Environmental Degradation in West Africa: An Empirical Assessment
2	Samira Binte Saif	Climate Resilience and Agriculture in Bangladesh
3	Anisa Abdul Rehman	Economic Analysis of Cotton: A Comparison of Climate-Resilient and Conventional Practices in Multan
4	Amna Zahoor	Aggregate and Sectoral Impacts of Climate Change on the Economy: Evidence from Panel Data of Selected Countries
5	Muhammad Usman	One Health and Climate Change: Strengthening Livestock Resilience to Zoonotic Threats in Pakistan
6	Rabia Zafar	Impact of Environment, Energy, and Food Production on Pakistan's Economic Growth: A Time Series Analysis
7	Rimsha Jamil	Emerging Parasitic Diseases in Fish under Climate Stress: Implications for Aquatic Sustainability and Biodiversity Conservation
8	Dr. Ferzaneh Pordel	Kudzu Plant Production to Combat Erosion and Drought in Türkiye

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## **Session 2 A: Climate Resilience at the Nexus of Agriculture, Environment, and Economic Sustainability**

 **03:00–05:00 PM (PKT)**

**Session Chair: Dr. Tahira Sadaf, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair: Komal Azhar, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

1	Fatima Azam	Impact of Climate Change on Zoonotic Parasites and Public Health Concerns
2	Saba Shaheen	Farmers' Perceptions of the Impacts of Climate Change on Citrus Production in District Sargodha
3	Syed Mufeed Hadi Naqvi	Strengthening Cotton Extension Services: Assessing Training Needs of Extension Field Staff in Better Cotton Production of Pakistan
4	Raza Ullah	Bridging Risk and Response: Policy Insights from Flood-Affected Farming Communities in South Punjab
5	Wardah Naqvi	Navigating Agricultural Systems for Sustainable and Resilient Food Security: Insights from Sri Lanka, Netherlands, and Ethiopia
6	Sami Ullah	Analyzing the Effects of Climate Change on Water Resources in Pakistan: Farmers' Perception, Awareness, and Adaptation Practices
7	Ibrahim Musa Osman	Eco-Friendly Biochar for Stress Mitigation and Sustainable Agriculture
8	Usma Khalil	The Impact of Climate Change on Agricultural Productivity and Food Security in Developing Countries


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**Passcode: 2yL3Jx6P**



## **Session 2 B: Climate Resilience at the Nexus of Agriculture, Environment, and Economic Sustainability**

 **03:00–05:00 PM (PKT)**

**Session Chair: Dr. Javaria Nasir, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair:**

- 1. Dr. Bukhtawer Nasir, The University of Faisalabad**
- 2. Dr. Rakhshanda Kousar, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

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1	La Ode M. Aslan	The Potential for Poverty Alleviation in Indonesia's Coastal Areas through Islamic-Based Seaweed Development: Issues, Challenges, and Strategic Solutions
2	Muhammad Sarmad Mushtaq	Economic Analysis of Rapeseed and Mustard Production in Punjab, Pakistan: A Mode of Diversification and Sustainable Agriculture
3	Muniza Saeed	Eco-Friendly Edible Films Based on Chicken Bone-Derived Gelatin and Rice Flour: A Halal-Compliant Packaging Alternative
4	Sobia Arjumand Qadri	Integrating Climate Resilience and Sustainable Resource Management: A Cross-Regional Analysis of Socio-Ecological Systems
5	Aqeel Ahmad	The Role of Energy Investment in Promoting Economic Sustainability in Developing Countries: A CS-ARDL Analysis
6	Hira Altaf	Silver Nanoparticles in Trematode Management: A Resource-Efficient Strategy for Climate-Affected Regions
7	Muhammad Imran	Eco-Efficient Livestock Farming: Using Parasite-Resistant Breeds for Sustainable Parasite Control
8	Sadaf Mahmood	Social Inequalities in Adaptation to Climate Change Strategies in District Faisalabad

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**[MS Teams Link to the Session](#)**

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**Passcode: Pv7R3y**



## **Session 2 C: Transforming Agri-Food Systems: Innovation, Governance, and Equity in Action**

 **03:00–05:00 PM (PKT)**

**Session Chair: Dr. Qasir Abbas, Institute of Agricultural and Resource Economics, University of Agriculture Faisalabad, Pakistan**

**Co-chair: Dr. Kafeel Sarwar, Department of Economics, Information Technology University, Lahore, Pakistan**

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1	Ijaz Ashraf	Part-Time Work and Its Impact on Students' Career Development and Economic Growth
2	Bilal Saddique	The Nutritional Status of University Students in Faisalabad, Pakistan: Exploring the Role of Oral Health and Food Insecurity
3	Tehreem	Harnessing Artificial Intelligence for Agricultural Marketing: Evidence from Farmers in Faisalabad, Pakistan
4	Muhammad Qadeer Ashraf	Harnessing Artificial Intelligence for Agricultural Marketing: Evidence from Farmers in Faisalabad, Pakistan
5	Sara Iqbal	Bridging the Gap: Governance–Implementation Failures in Agricultural Policy, Perspectives from Southern Punjab, Pakistan
6	Imrana Sadaf	Balancing Agrobiodiversity and Sustainable Land Use in Pakistan's Evolving Food System
7	Naeem Ali Bhatti	Transforming Agri-Food Systems for Food Security and Market Resilience in Pakistan
8	Ayesha Rouf	The Nutritional Outcomes of Gendered Time Poverty in Agricultural Sector of Punjab, Pakistan

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**Meeting ID: 499 961 312 486 8**

**Passcode: 9wt78M9q**



## **Session 2D: Human Dimensions of Food Security: Gender, Behavior, and Digital Empowerment**

 **03:00–05:00 PM (PKT)**

**Session Chair: Dr. Muhammad Usman, Faisalabad Business School, National Textile University Faisalabad Pakistan**

**Co-chair: Dr. Zahid Hussain, Faisalabad Business School, National Textile University Faisalabad Pakistan**

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1	Areesh Abdul Ghafoor	Gendered Pathways to Household Food Security: A Comparative Study of Women's Roles in Rural and Urban Households in Punjab, Pakistan
2	Dr. Binish Sarwar Khan	Nutritional Profiling and Eating Habits of the Pakistani Population: A Two-Decade Data Analysis (1998–2019)
3	Sidra Tehreem	Behavioral, Psychological, and Socioeconomic Determinants of Food Literacy among White-Collar Workers in Vehari, Pakistan
4	Fatima Tahir	Determinants of Household Demand for Value-Added Chickpea Products in Pakistan
5	Mithat Direk	Enhancing Data Literacy for Effective Foreign Trade of Agricultural Products
6	Nazeer Ahmed	Digital Connectivity and Agricultural Output: The Influence of Internet Access and Smartphone Usage on Grain Production in Advanced 5G Economies
7	Fatima Rasheed	Socioeconomic Factors Affecting the Dietary Diversity Score of Children Aged 2–5 Years in District Vehari
8	Zaeema Farooq	Perceptions and Choices of Business Community for Tree Plantation

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**[MS Teams Link to the Session](#)**


**Meeting ID: 437 816 680 228 8**

**Passcode: b2Mm77HD**



**Day 2. 21.08.2025**

**Session 3A: Innovations and Interventions for Sustainable Agri-Food Systems and  
Community Well-being**

 **09:00–11:00 AM (PKT)**

**Session Chair: Prof. Dr. Muhammad Hamid Bashir, Department of Entomology, University of Agriculture, Faisalabad**

**Co-chair:**

- 1. Dr Moula Bux Peerzado, Department of Agricultural Economics, College of Agriculture, University of Sargodha.**
- 2. Muhammad Huzaifa Jamil, Department of Entomology, University of Agriculture, Faisalabad, Pakistan.**

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1	Maliha Sarfraz	Innovative Carbon Sources in Biofloc Technology: Enhancing Tilapia Growth, Immune Response, and Nutrient Recycling
2	Rafia	Socioeconomic Characteristics of Household Cooked Food Waste in Urban Vehari, Pakistan
3	Zoya Adrees	From Farm to Fast Food: Exploring the Agri-Food Transition in Shaping Lifestyle in Pakistan
4	Hafiza Bisma Saleem	Development of “Aquanut Delight”: A Nutraceutical Chocolate Incorporating Water Chestnut Powder for Menstrual Discomfort Relief
5	Laiba Nasir	Impact of Withania coagulans (Paneer Booti) and Trigonella foenum-graecum (Fenugreek Seeds) Supplemented Yogurt on Diabetes Management Among Adults Aged 30–40 Years
6	Dr. Madiha Naz	The Role of Women in Ensuring Domestic Food Security in Rural Communities: A Comparative Study of Punjab, Pakistan
7	Khadija Aijaz Siddiqui	Development of Biodegradable Packaging Film Using Pectin from Unripe Musa Peels and Starch from Mangifera indica Kernels
8	Nida Iqbal	Eco-Safe Harvest: A Paradigm Shift in Post-Harvest Protection Using Natural Preservatives

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**[MS Teams Link to the Session](#)**

**Meeting ID: 457 569 511 963 3**

**Passcode: GK6JY9SS**



### **Session 3 B: Innovative Foods, Sustainable Practices, and Consumer Engagement in Agri-Food Systems**

 **09:00–11:00 AM (PKT)**

**Session Chair: Dr. Burhan Ahmad, Institute of Business Management Sciences, University of Agriculture, Faisalabad, Pakistan**

**Co-chair: Natasha Murtaza, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

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1	Sidra Tehreem	Socio-Economic Determinants of User Satisfaction with the Sehat Sahulat Program: Evidence from Vehari
2	Ahsan Ali	How Pro-Environmental Attitude Forms Sustainable Purchasing Behavior in the Agri-Food Market? Exploring Climate Change Engagement and Moral Licensing
3	Um e Rooman	Optimization of Probiotic Bioavailability in Ginger-Based Fermented Soda via Ginger Bug Enhancement
4	Rimsha Perveen	Agri-Transforming: Pioneering Integrative Innovations to Revolutionize Sustainable and Productive Agriculture
5	Manal Saddique	Determinants of Growers' Intentions to Adopt Blockchain Technology in Pulses Supply Chains
6	Kiran Adnan	Lavender Jam: A Nutraceutical Approach to Mental Wellness
7	Muhammad Imran	Use of N-Acetylcysteine to Mitigate Ochratoxin A Toxicity in Poultry: A Step Toward Safer Feed and Sustainable Production
8	Jaweria Amjad	Development and Evaluation of Gluten-Free Brownies Using Tapioca Pearl Flour
9	Madiha Arshad	Formulation, Characterization, and Nutritional Assessment of Gluten-Free Noodles Derived from Red Kidney Beans: Exploring Health Benefits and Culinary Applications

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**[MS Teams Link to the Session](#)**


**Meeting ID: 939 659 093 828 3**

**Passcode: VF34qL**





### Session 3C: Functional Foods, Sustainable Innovations, and Smart Practices for Future-Ready Agri-Food Systems

 09:00–11:00 AM (PKT)

**Session Chair: Dr. Hasan Zulfikar, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair: Dr. Rana Dawood Naseer, Department of Pharmacy, University of Agriculture, Faisalabad**

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1	Haleema Mushtaq	Cassachos Bliss: A Gluten-Free, Cassava-Based Snack for Health-Conscious Consumers
2	Robina Ali Ahmed	Seed Buying and Application Practices of Vegetable Growers in Punjab, Pakistan
3	Mehak Ahsan	Incorporation of Salvia hispanica in Noodles to Alleviate Irritable Bowel Syndrome (IBS)
4	Muhammad Rehan	3-Nitrooxypropanol (3-NOP) as a Methane-Reducing Feed Additive: Impacts on Enteric Emissions and Milk Quality in Dairy Cattle
5	Fiza	Innovative Substitution of Sucrose with Stevia and Chicory Root in Eclairs: Implications for Food Security and Market Dynamics
6	Kiran Adnan	Lavender Jam: A Nutraceutical Approach to Mental Wellness
7	Aliza Khan	Probiotic-Enriched Fermented Kefir Formulation: A Symbiotic Functional Beverage for Gut Health and Nutritional Wellness
8	Muhammad Kashif	Phenotyping of Wheat Genotypes for Water Stress Tolerance in Yield-Related Traits
9	Fatima Sohail	Towards a Zero-Waste Future: Development of Eco-Friendly Edible Crockery to Reduce Plastic Waste


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**[MS Teams Link to the Session](#)**

**Meeting ID: 494 115 331 523 6    Passcode: BS9HR9qL**



### **Session 3D: Innovative Food Solutions and Strategic Agri-Food Transformations for Nutrition and Market Resilience**

 **09:00–11:00 AM (PKT)**

**Session Chair: Saba Javed, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair:**

- 1. Dr. Mubashar Nadeem, Assistant Professor, Ghazi University, Dera Ghazi Khan**
- 2. Dr. Miral Javed, Postdoc Fellow, University of Guelph, Canada**

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1	Adan Noor	Navigating the Link Between Food Security and Market Dynamics
2	Ayesha Mazhar	Creating a Health-Boosting Probiotic Chocolate Spread Using an Innovative Approach
3	Umm e Kulsoom	Preparation of Fish Pickle for Improving Community Nutritional Status
4	Malaika Kiran	Development of Sustainable Pulse Flour Nuggets with Cucumber Peel: A Novel Functional Food Product
5	Ibtesam Fasih Abbas	Lotus Seed-Infused Instant Kheer Mix: A Functional Dessert for Nutritional Enhancement
6	Ayena Kamran	Development of Gluten-Free Lentil Chips: A Functional Snack for Health-Conscious Consumers
7	Muhammad Asim	Transforming the Livestock Sector to Meet Global Food Demands: Challenges and Strategic Directions
8	Yumna Jalal	Development of Functional Focaccia Soft Bread Enriched with Spinach Powder and Nutrient-Dense Ingredients
9	Neelam Rana	Role of Decent Work in Female Labor Force Participation in the Private Sector of Punjab

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**[MS Teams Link to the Session](#)**

**Meeting ID: 474 306 968 640 0**

**Passcode: 4WN6XF3t**



## **Session 4 A: Innovations for Food Security: Functional Foods, Poultry Health, and Inclusive Agri-Food System**

**⌚ 12:00–02:00 PM (PKT)**

**Session Chair: Neelam Rana, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair: Memona Nasir, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

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1	Muhammad Imran	Synergistic Immunosuppression by Ochratoxin A and Fowl Adenovirus-4 in Broilers: Implications for Poultry Health and Food Security
2	Mughees Aizaz Alvi	Rethinking Food Security in the 21st Century: A Pathway Toward Resilient Agri-Food Systems
3	Maimoona Malik	Innovation of Golden Jujube Shield Tea
4	Amna Hassan	Role of Women in Canola Production in Punjab, Pakistan
5	Umama Maqbool	Black Gold Elixir: Development of a Nutritious Sweet Potato and Black Seed Oil Syrup
6	Saniya Saeed	Sustainable Market Innovation in Functional Foods: Sugar-Free Bioactive Gummy Development for Agri-Food System Transformation and Enhanced Food Security
7	Samia Jabeen	Agri-Food System Transformation Through Composite Flour Innovation: Enhancing Food Security via Nutritionally Fortified Pita Bread for Sustainable Market Dynamics
8	Zeenat Qureshi	Innovative Dehydrated Snack: Physicochemical and Nutritional Insights into Sweet Potato Jerky
9	Sana Shahid	Adsorption of Dye Using Cu-Doped Fe <sub>2</sub> O <sub>3</sub> Nanoparticles: An Innovative Approach for Effective Wastewater Treatment

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**[MS Teams Link to the Session](#)**

**Meeting ID: 473 839 226 060 2**

**Passcode: nL7TL6Et**



## **Session 4 B: Functional Foods and Sustainable Solutions: Innovations in Nutrition, Health, and Land Restoration**

 **12:00–02:00 PM (PKT)**

**Session Chair: Dr. Rakhshanda Kousar, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair: Dr. Muhammad Sohail Amjad Makhdom, Department of Economics, GC University Faisalabad, Pakistan**

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1	Misha Kamran	Combating Iron Deficiency and Pica through a Functional Premix: A Food-Based Strategy Using Legumes and Leafy Greens for At-Risk Populations
2	Rutaba Kashif	Innovative Biodegradable Films for Enhanced Food Safety: A Study on Essential Oils
3	Binish Sarwar	Development of a Plant-Based High-Protein Nutritional Supplement for Sarcopenia Patients
4	Aroosa Maqsood	Development of Gluten-Free Brownies Enriched with Barley and Red Kidney Bean Flour
5	Ali KIENDREBEOGO	Salinization of Agricultural Soils: Innovations for Functional and Sustainable Restoration of Degraded Land
6	Aiman Mohiyuddin	Development and Evaluation of Milk Thistle Kombucha: A Functional Fermented Beverage with Hepatoprotective Potential
7	Amna Shehzadi	Examining the Correlation Between Eating Posture, Meal Location, and Weight
8	Muhammad Awais Ashfaq	Factors Affecting the Adoption of Solar-Powered Irrigation Systems by Rice Growers in Hafizabad, Pakistan

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**[MS Teams Link to the Session](#)**

**Meeting ID: 935 621 757 310 4**

**Passcode: Aw9cS2**



## **Session 4 C: Agri-Food Innovation, Trade, and Consumer Dynamics: Bridging Local Practices with Global Potential**

 **12:00–02:00 PM (PKT)**

**Session Chair: Dr. Azhar Abbas, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair: Dr. Hafiz Zahid Mahmood, MNS-UAM, Multan**

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1	Nalain Hammad	Factors Affecting the Net Export of Chickpeas in Pakistan
2	Omar Moahamed Mumin	Banana Production and Export Development in Somalia (1961–2022)
3	Muhammad Tuseef Asghar	Enhancing Food Security through Nutritionally Enriched Gluten-Free Biscuits Using Maize and Sweet Potato Blends
4	Rimsha Nasir Khan	Enhancing Respira Naturals: Revolutionizing Respiratory Relief with an Eco-Friendly Organic Vapor Rub
5	Tooba Shahnawaz	Investigation of Consumer Knowledge and Understanding of Nutrition Labeling on Pre-Packaged Foods in Marts of Faisalabad
6	Anam Latif	Glucosinolates in Cruciferous Vegetables and Their Role in Human Health: A Nutritional Approach
7	Hafiz Zohaib Faheem	Farmer Perceptions and Barriers to the Adoption of UAV Technology in South Punjab, Pakistan
8	Javaria Firdous	The Impact of Connectivity and Competitiveness on E-Commerce Growth: Evidence from Selected South and Southeast Asian Countries
9	Zainab Sarfraz	Motivational Factors and Opportunities for Entrepreneurial Development among Women: A Case Study of District Faisalabad

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**[MS Teams Link to the Session](#)**

**Meeting ID: 489 970 663 187 0**

**Passcode: 8Vs9Ag2w**



#### **Session 4 D: Integrating Technology, Finance, and Policy for Sustainable Agri-Food and Socioeconomic Systems**

 **12:00–02:00 PM (PKT)**

**Session Chair: Dr. Raza Ullah, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

**Co-chair: Sami Ullah, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

1	Sabahat Aleem	Emerging Parasitic Diseases in Fish under Climate Stress: Implications for Aquatic Sustainability and Biodiversity Conservation
2	Fouzia Anjum	Role of AI and Mobile Advisory Tools in Digital Agriculture: An Extension-Led Approach in Punjab, Pakistan
3	Unsa Ajmal	Leveraging Artificial Intelligence for Sustainable Fisheries in Pakistan: Advancing Food Security, Livelihoods, and Market Access
4	Anam Shehzadi	Behavioral Intentions and Determinants of Consumer Preference for Islamic Banks in Faisalabad
5	Muhammad Salman	Behavioral Intentions and Determinants of Consumer Preference for Islamic Banks in Faisalabad
6	Komal Azhar	Financial Literacy and Financial Inclusion among Female Entrepreneurs: A Case Study of Faisalabad, Punjab
7	Saeed Ahmad Zaman	Harnessing Policy and Institutional Innovations to Achieve the MDGs in Pakistan
8	Rimsha Latif	Impact of Online Earning and Social Media Usage on the Academic Performance of University Students in South Punjab
9	Naila Hadayat	Iron Oxide Nanoparticles Mediated Salinity Stress Mitigation in Jalapeño Plant

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**Meeting ID: 931 539 008 555 5**

**Passcode: sN7bh3**





**Day 3. 22.08.2025**

**Session 5 A: Intersecting Lives and Systems: Gender, Innovation, and Socioeconomic Transformation in South Asia**

**🕒 9:00–11:00 AM (PKT)**

**Session Chair: Dr. Abdus Samie, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair:**

- 1. Dr. Kashif Hamid, Institute of Business Management Sciences, University of Agriculture, Faisalabad, Pakistan**
- 2. Dr. Abdul Majeed Nadeem, Department of Economics, GC University, Faisalabad, Pakistan**

1	Muhammad Salman	An Assessment of Gender Differences in the Use of Social Media for Learning at the University Level
2	Aiman Mohiyuddin	Collagen-Enriched Gummies for Enhanced Skin and Joint Health: A Comparative Study of Multi-Source Collagen and Aloe Vera Integration
3	Ijaz Ashraf	Climate Resilience & Sustainable Resource Economics and Management; Equity, Policy & Institutional Innovation
4	Dr. Madiha Naz	Invisible Economies: Rural Women's Food Decision-Making and Household Security in Agrarian Punjab, Pakistan
5	Bakhtawar Kamran	Estimating the Economic Cost of Prolonged Khula Cases: Empirical Evidence from Vehari District
6	Ayman Tanveer	Innovation Subsidy Design and Payment for Ecosystem Services: A Mixed-Methods Approach to Multilateral Environmental Governance
7	Farzeen Shoukat	FinTech Innovation and Digital Banking Penetration: A Cross-Country Study of South and Southeast Asia
8	Qamar Ul Islam	Impact of Defence Saving Certificates on Pakistan's GDP
9	Anwar ul Haq	Climate-Induced Urbanization and the Dynamics of Urban Poverty: An Empirical Analysis

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**Meeting ID: 458 881 420 027 3**

**Passcode: a6eG6bq6**



## **Session 5 B: Economic Lives and Institutional Shifts: Navigating Finance, Labor, and Social Wellbeing in Pakistan**

 **9:00–11:00 AM (PKT)**

**Session Chair: Dr. Tahira Sadaf, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

**Co-chair: Ayesha Rouf, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad, Pakistan**

1	Rai Aqdas Hayat	Moderating with Strategy: The Dormant Role of Monetary Policy in Debt Reduction of Pakistan
2	Maryam Shareef	Implications of Parental Socioeconomic Status on Child Labor: A Case Study of District Faisalabad
3	Mubasher Ali	Institutional Dynamics and Financial Inclusion: A Study of Selected Asian Economies
4	Aqsa Tabbasum	The Role of Financial Literacy in Agricultural Credit Accessibility: Evidence from Smallholder Farmers in Punjab, Pakistan
5	Bakhtawar Kamran	Estimating the Economic Cost of Prolonged Khula Cases: Empirical Evidence from Vehari District
6	Hasan Zulfiqar	Agriculture: An Occupation or a Lifestyle? Evidence from Punjab, Pakistan
7	Neelam Rana	Determinants of Healthcare Service Choice Among Factory Workers in Faisalabad
8	Sidra Afzal	Assessing the Effects of Digital Transformation on Banking Sector Performance: Empirical Evidence from Pakistan
9	Roma Farooq	Assessing the Role of Cybersecurity in Enhancing Customer Trust and Satisfaction in Pakistan's Online Banking Sector

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**Meeting ID: 444 335 236 816 1**

**Passcode: JB9dc79X**



## **Session 5 C: Complex Realities and Smart Solutions: Interdisciplinary Approaches to Health, Equity, and Sustainable Development**

 **9:00–11:00 AM (PKT)**

**Session Chair: Dr. Muhammad Usman, Faisalabad Business School, National Textile University Faisalabad Pakistan**

**Co-chair: Dr. Falik Shear, Faisalabad Business School, National Textile University Faisalabad Pakistan**

1	Raees Khan	Structural and Functional Insights into the Healthy Human Gut Microbiome
2	Rabia Javed	Identifying Constraints, Enablers, and Opportunities for Women's Entrepreneurship in the Chickpea Sector of Punjab, Pakistan
3	Amina Alamgir	The Role of Women's Empowerment in Shaping Child Nutrition and Obesity Outcomes: A Global Review
4	Shazia Iqbal	Estimating the Effect of Income, Wealth, and Social Media Use on Students' Happiness in Vehari District
5	Faria Javaid	Sustainable Water and Nutrient Management in Soil
6	Atteq ur Rehman	Macroeconomic Attention Index and Financial Market Volatility: Evidence from South Asian Economies
7	Aisha Zia	Smart Living in Transition: Behavioral Intentions and Adoption Barriers to Home Automation in Pakistan
8	Mamona Sadaf	Bridging Complexity and Practice: The Case for Agent-Based Modeling in Agricultural Policy and Resource Management in Pakistan
9	Saba Javed	A Multidimensional Poverty Analysis: The Case of Urban and Peri-Urban Areas of Faisalabad, Pakistan

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**Meeting ID: 437 816 680 228 8**

**Passcode: b2Mm77HD**



## **Session 5 D: Human Wellbeing and Societal Change: Intersections of Health, Technology, and Economic Development**

 **9:00–11:00 AM (PKT)**

**Session Chair: Dr. Muhammad Amjed Iqbal, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

**Co-chair: Amna Yousaf, Institute of Agricultural and Resource Economics, University of Agriculture, Faisalabad**

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1	Mubashar Nadeem	A Multidimensional Poverty Analysis: The Case of Urban and Peri-Urban Areas of Faisalabad, Pakistan
2	Mubasher Ali	Digitalization and Employment in South Asia: A Panel Data Analysis of ICT-Driven Growth
3	Rabeea Muzaffar	Biological Evaluation of Citrus sinensis Peel Essential Oil
4	Tania Shabir	Effect of Divorce on Children's Health and Education in District Layyah
5	Tehreem Asif	The Role of Psychological Resilience in Relation to Eco-Anxiety and Procreation Anxiety in Young Adults
6	Binish Sarwar	Association of Electronic Media Engagement and Dietary Choices in Adults Aged 20 to 30 Years
7	Rafia Rehman	Bioactivity Evaluation of Mentha Arvensis Essential Oil
8	Sara Nayyab	Impact of Demographic Variables on Economic Growth in South Asian Countries: A Panel Data Analysis
9	Aneela Gul	Detection and Quantification of Antibiotic Residues in Broiler Meat from Rural Areas of Faisalabad, Pakistan

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**Meeting ID: 937 341 238 989 2**

**Passcode: Mc757h**