

CURRICULUM VITAE

Dr. Farhad Zulfiqar

📍 Department of Food, Agriculture and Bioresources, School of Environment, Resources and Development, Asian Institute of Technology, Thailand.

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Ongoing Projects

August 2023 – July 2025	Regenerative Agriculture in ASEAN: Promoting nature-positive solutions for rice production (REGA-ASEAN) Funded by The Rockefeller Foundation, USA Role – Co-PI
September 2021 – July 2023	Circular economy of sustainable packaging solutions of agribusinesses: cost efficiency and consumer preferences assessment Funded by the Asian Institute of Technology, Thailand Role – PI
December 2020 – November 2023	Climate change adaptation in agriculture for enhanced recovery and sustainability of Highlands. Funded by Asian Development Bank (ADB) Role – Co-PI
March 2023 – March 2027	Innovative Smart Technologies for Sustainable Farm Management. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
February 2023 – February 2027	Smart Farming Technologies for Sustainable Agricultural Development. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
January 2023 – January 2026	Technological Innovations to Meet the Future Challenges of Agriculture and Allied Sectors. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
January 2023 – December 2025	Smart Farming and Innovative Postharvest Technologies for Sustainable Agriculture Systems. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
January 2023 – January 2026	Technological Advancements Toward Sustainable Development of Horticulture and Forestry. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
January 2023 – December 2025	Agrotechnology Innovations Toward Sustainability in Agriculture and Food Systems. Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India Role – Co-PI
November 2022 – November 2025	Crop Nutrient and Irrigation Water Management using Smart Agricultural Technology.

Funded by the World Bank through NAHEP project at Indian Council of Agricultural Research (ICAR), India

Role – Co-PI

Completed Projects

January 2020 – December 2021	Technology clinic for agro-food small and medium-sized enterprises in Thailand Funded by the United Nations Environment Program (UNEP) Role – Co-PI
September 2019 – August 2022	Identification and up-scaling of climate-smart agriculture (CSA) practices for sustainable food security in high altitude farming regions of Himalaya. Funded by Asia Pacific Network for Global Change Research (APN-GCR) Role – Co-PI
October 2019 – October 2020	Sustainable bioenergy development in emerging economies under global changes: current practice, prescription, response, and management. Funded by Pakistan Science Foundation and National Natural Science Foundation of China Role – Co-PI
December 18, 2017 – December 18, 2019	Managing Water Commons and the Extent of their Climate Resilience in Punjab, Pakistan. Funded by the Higher Education Commission of Pakistan Role – PI
July 2017 – June 2019	Sustainable Food Systems under Climate Change in South Asia Role – Project's South Asia Coordinator
January 2013 – October 2016	Agricultural Learning Exchange for Asian Regional Networking (AgLEARN) Role: Coordinator

Professional Experience

January 2021– Present	“Assistant Professor” in Department of Food, Agriculture and Bioresources, Asian Institute of Technology, Thailand
May 2017 – Dec. 2020	“Assistant Professor” in Department of Economics, COMSATS University Islamabad, Pakistan
Dec. 2016 – Apr. 2017	“Foreign Expert” in Faculty of Environment and Resource Studies at Mahidol University, Thailand
June 2011 – August 2011	“Research Analyst” at Innovative Development Strategies, Pakistan
Nov. 2010 – June 2011	“Research Fellow” at University of Agriculture Faisalabad, Pakistan
Dec. 2009 – Nov. 2010	“Research Assistant” in the Department of Agricultural Economics, University of Agriculture Faisalabad, Pakistan
July 2008 – Aug. 2008	“Field Researcher” at Sustainable Development Policy Institute, Pakistan
Feb 2008 – June 2008	“Intern” at Sustainable Development Policy Institute, Pakistan

Entrepreneurship and Training Activities

August 29, 2022	Invited lecture on "Planning and Management of Successful Agribusiness" arranged by the Yunus Center during the Professional Development Training and Study Visit Program on: Sustainable Development of Agriculture & Livestock Management
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	for thirteen (13) senior officials from Ministry of Agriculture and Livestock Development (MoALD), Federal Democratic Republic of Nepal and Asian Development Bank (ADB), Nepal Resident Mission from 29 August -02 September 2022.
October 30, 2021	Served as a Jury member to evaluate the "5-Minute Research Pitching" on the theme "Food Technologies and Agriculture" organized by Special Degree Programs (SDP) of Asian Institute of Technology, Thailand.
August 28, 2021	Conducted a 3-hour online training on "Digital Survey Data Collection" as part of the project "Identification and Up-scaling of Climate-Smart Agriculture (CSA) Practices for Sustainable Food Security in High Altitude Farming Regions of Himalaya" funded by Asia Pacific Network for Global Change Research (APN-GCR)
September 05, 2020 - September 15, 2020	Conducted training on training on "Digital Survey Data Collection" in Gilgit, Pakistan as part of the project "Identification and Up-scaling of Climate-Smart Agriculture (CSA) Practices for Sustainable Food Security in High Altitude Farming Regions of Himalaya" funded by Asia Pacific Network for Global Change Research (APN-GCR)
December 09, 2019 - December 14, 2019	Conducted training on "Digital Survey Data Collection" in Nepal as part of the project "Identification and Up-scaling of Climate-Smart Agriculture (CSA) Practices for Sustainable Food Security in High Altitude Farming Regions of Himalaya" funded by Asia Pacific Network for Global Change Research (APN-GCR)

Publications

- Nuansri, A., A. Datta, T.W. Tsusaka, **F. Zulfiqar***. 2023. Factors influencing the profit and choice of agribusiness for agricultural cooperatives in Thailand. *The Journal of International Development* [Accepted].
<https://doi.org/10.1002/jid.3836>
- Rahman, M.S., **F. Zulfiqar**, H. Ullah, S.K. Himanshu, A. Datta. 2023. Farmers' perceptions, determinants of adoption, and impact on food security: case of climate change adaptation measures in coastal Bangladesh. *Climate Policy*.
<https://doi.org/10.1080/14693062.2023.2212638> (IF. 6.056)
- Rahman, M.S., **F. Zulfiqar**, H. Ullah, S.K. Himanshu, A. Datta. 2023. Status and drivers of households' food security status in climate-sensitive coastal areas of Bangladesh: A comparison between the exposed and interior coasts. *International Journal of Sustainable Development & World Ecology*, 30 (1), 81-94.
<https://doi.org/10.1080/13504509.2022.2123409> (IF. 4.870)
- Chandrasiri, C.K., T.W. Tsusaka, **F. Zulfiqar**, A. Datta. 2023. Impact of climate change on paddy crop failure under different water regimes in Sri Lanka. *Singapore Journal of Tropical Geography*. <https://doi.org/10.1111/sjtq.12495>
- Chandrasiri, C.K., T.W. Tsusaka, T.D.N. Ho, **F. Zulfiqar**, A. Datta. 2023. Impacts of climate change on paddy yields in different climatic zones of Sri Lanka: a panel data approach. *Asia-Pacific Journal of Regional Science*, 7, 455-489.
<https://doi.org/10.1007/s41685-022-00264-5>
- Khan, R.M., **F. Zulfiqar**, A. Datta, J.K.M. Kuwornu, S. Shrestha. 2022. Analyzing the variation in farmers' perceptions of climate change impacts on crop production and adaptation measures across the Ganges Tidal Floodplain in Bangladesh. *Local Environment*, 27 (8), 968-987.
<https://doi.org/10.1080/13549839.2022.2091528> (IF. 3.590)

- Roy, D., **F. Zulfiqar**, T.W. Tsusaka, A. Datta. 2022. Household food insecurity and dietary diversity of women of reproductive age among smallholder farming households in northwest Bangladesh. *Ecology of Food and Nutrition*, 61 (4), 460-483. <https://doi.org/10.1080/03670244.2021.2024176> (IF. 1.763)

- Aliyar, Q., **F. Zulfiqar**, A. Datta, J.K.M. Kuwornuc, S. Shrestha. 2022. Drought perception and field-level adaptation strategies of farming households in drought-prone areas of Afghanistan. *International Journal of Disaster Risk Reduction*, 72, 102862. <https://doi.org/10.1016/j.ijdrr.2022.102862> (IF. 4.842)

- Methamontri, Y., T.W. Tsusaka, **F. Zulfiqar**, V. Yukongdi, A. Datta. 2022. Factors influencing participation in collective marketing through organic rice farmer groups in northeast Thailand. *Heliyon*, 8 (11), e11421. <https://doi.org/10.1016/j.heliyon.2022.e11421>

- **Zulfiqar, F.***, A. Datta, T.W. Tsusaka, M. Yaseen. 2021. Micro-level quantification of determinants of eco-innovation adoption: An assessment of sustainable practices for cotton production in Pakistan. *Sustainable Production and Consumption*, 28, 436-444. <https://doi.org/10.1016/j.spc.2021.06.014> (IF. 8.921)

- **Zulfiqar, F.***, M. Abid, R. Ullah, S. Shahzad. 2021. Water management under climate change: the role of water commons and policy options. *Water and Environment Journal*, 35 (4), 1217-1225. <https://doi.org/10.1111/wej.12711> (IF. 1.977)

- **Zulfiqar, F.***, M. Zubair, R. Ullah. 2021. Climate-induced water scarcity and the effectiveness of community-based water resource management. Chapter 22, pp. 343-351. *In: Ullah, R., S. Sharma, M. Inoue, S. Asghar, G. Shivakoti (eds) Natural Resource Governance in Asia: From Collective Action to Resilience Thinking.* Springer Water. Elsevier. <https://doi.org/10.1016/B978-0-323-85729-1.00024-4> (Book Chapter)

- **Zulfiqar, F.***, G.B. Thapa. 2021. The effect of cotton management practices on water use efficiency and water security challenges in Pakistan. Chapter 41, pp. 557-566. *In: Babel M., Haarstrick A., Ribbe L., Shinde V.R., Dichtl N. (eds) Water Security in Asia.* Springer Water. Springer, Cham. https://doi.org/10.1007/978-3-319-54612-4_41 (Book Chapter)

- Ain, Q., R. Ullah, M.A. Kamran, **F. Zulfiqar***. 2021. Air pollution and its economic impacts at household level: willingness to pay for environmental services in Pakistan. *Environmental Science and Pollution Research*, 28, 6611-6618. <https://doi.org/10.1007/s11356-020-11023-4> (IF. 5.190)

- Anwar, M., **F. Zulfiqar**, Z. Ferdous, T.W. Tsusaka, A. Datta*. 2021. Productivity, profitability, efficiency, and land utilization scenarios of rice cultivation: An assessment of hybrid rice in Bangladesh. *Sustainable Production and Consumption*, 26, 752-758. <https://doi.org/10.1016/j.spc.2020.12.035> (IF. 8.921)

- Sultana, N., J.A. Memon, F.M. Mari, **F. Zulfiqar***. 2021. Tweaking household assets to recover from disasters: insights from Attabad landslide in Pakistan. *Journal of Development Policy, Research & Practice*, 3, 214-241.

- Ferdous, Z., **F. Zulfiqar**, A. Datta*, A.K. Hasan, A. Sarker. 2021. Potential and challenges of organic agriculture in Bangladesh: a review. *Journal of Crop Improvement*, 35 (3), 403-426. <https://doi.org/10.1080/15427528.2020.1824951>

- Roy, D., A. Datta*, J.K.M. Kuwornu, **F. Zulfiqar**. 2021. Comparing farmers' perceptions of climate change with meteorological trends and examining farm adaptation measures in hazard-prone districts of northwest Bangladesh.

Environment Development and Sustainability, 23, 8699-8721.

<https://doi.org/10.1007/s10668-020-00989-3> (IF. 4.080)

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- Ferdous, Z., **F. Zulfiqar**, H. Ullah, M. Anwar, A.S.M.M.R. Khan, A. Datta*. 2021. Improved management practices vis-à-vis farmers' practices for rice-based cropping systems in Bangladesh: Yield gaps and gross margins. *Journal of Crop Improvement*, 35 (4), 547-567.
<https://doi.org/10.1080/15427528.2020.1848958>

 - Abid, M., **F. Zulfiqar**, M. Raza*. 2019. Managing electronic waste pollution: policy options and challenges. In Hashmi, M.Z., A. Varma (Eds.), *Electronic waste pollution: environmental occurrence and treatment technologies*. Springer, Cham, Switzerland, Vol. 57, pp. 329-345. <https://doi.org/10.1007/978-3-030-26615-8>.

 - Ullah, R.*, G.P. Shivakoti, M.A. Kamran, **F. Zulfiqar**. 2019. Land ownership and catastrophic risk management in agriculture: The case of Khyber Pakhtunkhwa province of Pakistan. *International Journal of the Commons*, 13 (2), 881-891.
<http://doi.org/10.5334/ijc.896>. (IF. 2.646)

 - Sher, A.*, S. Mazhar, **F. Zulfiqar**, D. Wang, X. Li. 2019. Green entrepreneurial farming: A dream or reality? *Journal of Cleaner Production*, 220, 1131-1142.
<https://doi.org/10.1016/j.jclepro.2019.02.198>. (IF. 11.072)

 - Bakhsh, K.*, S. Rauf, **F. Zulfiqar**. 2018. Adaptation strategies for minimizing heat wave induced morbidity and its determinants. *Sustainable Cities and Society*, 41, 95-103. <https://doi.org/10.1016/j.scs.2018.05.021>. (IF. 10.696)

 - **Zulfiqar, F.***, G.B. Thapa. 2018. Determinants and intensity of adoption of "better cotton" as an innovative cleaner production alternative. *Journal of Cleaner Production*, 172, 3468-3478. <https://doi.org/10.1016/j.jclepro.2017.09.024>. (IF. 11.072)

 - **Zulfiqar, F.***, G.B. Thapa. 2017. Agricultural sustainability assessment at provincial level in Pakistan. *Land Use Policy*, 68, 492-502.
<http://dx.doi.org/10.1016/j.landusepol.2017.08.016>. (IF. 6.189)

 - **Zulfiqar, F.***, A. Datta, G.B. Thapa. 2017. Determinants and resource use efficiency of "better cotton": an innovative cleaner production alternative. *Journal of Cleaner Production*, 166, 1372-1380. <https://doi.org/10.1016/j.jclepro.2017.08.155>. (IF. 11.072)

 - Ullah, R.*, G.P. Shivakoti, **F. Zulfiqar**, M.N. Iqbal, A.A. Shah. 2017. Disaster risk management in agriculture: tragedies of the smallholders. *Natural Hazards*, 87 (3), 1361-1375. <https://doi.org/10.1007/s11069-017-2821-7>. (IF. 3.158)

 - Abid, M.*, G. Ngaruiya, J. Scheffran, **F. Zulfiqar**. 2017. The role of social networks in agricultural adaptation to climate change: implications for sustainable agriculture in Pakistan. *Climate*, 5 (4), 85. <https://doi.org/10.3390/cli5040085>. (IF. 3.38)

 - Ahmed, U.I.*, L. Ying, M.K. Bashir, M. Abid, **F. Zulfiqar**. 2017. Status and determinants of small farming households' food security and role of market access in enhancing food security in rural Pakistan. *PLoS One*, 12 (10), e0185466.
<https://doi.org/10.1371/journal.pone.0185466>. (IF. 3.752)

 - **Zulfiqar, F.***, G.B. Thapa. 2016. Is 'better cotton' better than conventional cotton in terms of input use efficiency and financial performance? *Land Use Policy*, 52, 136-143. <https://doi.org/10.1016/j.landusepol.2015.12.013>. (IF. 6.189)

 - **Zulfiqar, F.***, R. Ullah, M. Abid, A. Hussain. 2016. Cotton production under risk: A simultaneous adoption of risk coping tools. *Natural Hazards*, 84, 959-974.
<https://doi.org/10.1007/s11069-016-2468-9>. (IF. 3.158)

 - Abid, M.*, J. Schilling, J. Scheffran, **F. Zulfiqar**. 2016. Climate change vulnerability, adaptation and risk perceptions at farm level in Punjab, Pakistan. *Science of the*

Total Environment, 547, 447-460.
<https://doi.org/10.1016/j.scitotenv.2015.11.125>. (IF. 10.753)

- Ullah, R.*, G.P. Shivakoti, A. Kamran, **F. Zulfiqar**. 2016. Farmers versus nature: managing disaster risks at farm level. *Natural Hazards*, 82 (3), 1931-1945. <https://doi.org/10.1007/s11069-016-2278-0>. (IF. 3.158)
- Ullah, R.*, G.P. Shivakoti, **F. Zulfiqar**, M.A. Kamran. 2016. Farm risks and uncertainties: sources, impacts and management. *Outlook on Agriculture*, 45 (3) 199-205. <https://doi.org/10.1177/0030727016665440>. (IF. 3.309)
- **Zulfiqar, F.***, M. Ashfaq. 2014. Estimation of wheat yield response under different agro-climatic conditions in Punjab. *Sarhad Journal of Agriculture*, 30(4), 459-465.
- Hussain, A.*, **F. Zulfiqar**, A. Saboor. 2014. Changing food patterns across the seasons in rural Pakistan: analysis of food variety, dietary diversity and calorie intake. *Ecology of Food and Nutrition*, 53(2): 119-141. <https://doi.org/10.1080/03670244.2013.792076>. (IF. 1.763)
- **Zulfiqar, F.***, A. Hussain. 2014. Forecasting wheat production gaps to assess the state of future food security in Pakistan. *Journal of Food and Nutrition Disorders*. 3:3. <https://doi.org/10.4172/2324-9323.1000146>. (IF. 0.94)
- Ashfaq, M.*, **F. Zulfiqar**, I. Sarwar, M.A. Quddus, I.A. Baig. 2011. Impact of climate change on wheat productivity in mixed cropping system of Punjab. *Soil and Environment*, 30 (2), 110-114.
- Ashfaq, M., **F. Zulfiqar**. 2010. An economic analysis of different production technologies of sugarcane in district Faisalabad. A research report published by *Department of Agricultural Economics, University of Agriculture Faisalabad*.
- **Zulfiqar, F.**, M.K. Bashir. 2009. Article on "Boosting wheat production" in *Economic and Business Review, Agriculture and Technology pages in Dawn Newspaper*.

Courses Taught (Selection)

Level	Course Name	Credit Hours
Graduate	Marketing Management and Trade Policies in Agriculture	3 (3-0)
Graduate	Agribusiness Management: Principles and Practices	3 (3-0)
Graduate	Agro-Industrial Development	3 (3-0)
Graduate	Econometric Modeling and Applications	3 (3-0)
Graduate	Mathematical Reasoning for Economists	3 (3-0)
Undergraduate	Issues in Development Economics	3 (3-0)
Undergraduate	Macro Economics – Intermediate	3 (3-0)
Undergraduate	Applied Econometrics	3 (3-0)
Undergraduate	Macro Economics	3 (3-0)

Students Supervised (Selection)

Level	Student Name	Thesis Topic
Graduate	Sreyneath Chhun	Rice Flake Value Chain Mapping and Simulation Approach for Value Addition through Implementation of Lean Processing Manufacturing: A Case Study of Battambang province, Cambodia
Graduate	Anchalee Nuansri	Factors influencing the agribusiness of agricultural cooperatives in Thailand
Graduate	Li Dong	Sustainable Kiwi production through "Green Food" certification in China
Graduate	Manatsikarn Cruecha-Em	Comparing circular economy and functional preferences of circular

Graduate	Toma Deb Nath	packaging in food delivery services Climate-risk management strategies and household food security of smallholder farmers: Evidence from rural Thailand
Graduate	Kanwal Fiaz	Climate Resilient Resource Governance under Public and Community Managed Irrigation Systems in Pakistan
Graduate	M. Ehsan Ali Malik	Determinants and Land Use and Land Cover Change in Peri-Urban Areas of the Twin Cities
Graduate	Bilal Ahmad	Perception of Airlines about Airport Success: Case of Islamabad International Airport
Undergraduate	Rizwan Mazhar	Groundwater, Water Pricing, and Water Trading

Professional Qualifications/Skills

Software Experience: DSSAT, Python, STATA, Geographic Information System (ArcGIS), SPSS, E-Views, DEA, Minitab, Microfit, Production Frontier.

- Participated in a Training program for “Research Methods with SPSS and Minitab” in 2009 organized by WTO Cell, Department of Mathematics and Statistics at the University of Agriculture, Faisalabad.

Education and Training

2013 – 2016 **Ph.D. in Regional and Rural Development Planning**, Asian Institute of Technology (AIT), Thailand

Dissertation Adoption and Performance of “Better Cotton” Management Practices in Pakistan

2011 – 2013 **Masters in Regional and Rural Development Planning**, Asian Institute of Technology (AIT), Thailand

Results GPA = 3.95

Thesis Assessment of Agricultural Sustainability in Pakistan

2008 – 2010 **M.Sc. (Hons.) Agricultural Economics**, University of Agriculture Faisalabad, Pakistan

Results GPA = 4.00

Thesis Estimation of Wheat Yield Response under Different Economic, Location and Climatic Conditions in Punjab (Pakistan)

2004 – 2008 **B.Sc. (Hons.) Agricultural and Resource Economics**, University of Agriculture Faisalabad, Pakistan

Results GPA = 3.81

Research report Environmental Impacts of Mining and Quarrying

Courses

Sep. – Dec. 2013 Global course by Masters in Development Practice Secretariat on ‘**Integrated Approaches to Sustainable Development Practice**’ – Earth Institute, Columbia University

Sep. – Dec. 2012 Global course by Masters in Development Practice Secretariat on ‘**Integrated Approaches to Sustainable Development Practice**’ – Earth Institute, Columbia University

Awards/Certificates

- Selected and participated in the 7th Lindau Nobel Laureate Meeting of the Laureates of the Sveriges Riksbank Prize in Economic Sciences.

- Recipient of the Higher Education Commission of Pakistan (HEC) Scholarship for pursuing a Master leading to Ph.D. at the Asian Institute of Technology (AIT),

Thailand. August 2011 – July 2016

- **Silver medal** in M.Sc. (Hons.) Agricultural Economics was received in the convocation held in 2013.
- **Bronze medal** in B.Sc. (Hons.) Agricultural and Resource Economics received in the convocation held in 2011
- University Merit Scholarship received in 2008-09 and 2009-10 during M.Sc. (Hons.)
- University Merit Scholarship received in 2005-06, 2006-07, and 2007-08 during B.Sc. (Hons.)
- Certificate received for 1st position in football in Sports Gala 2007, University of Agriculture Faisalabad

Conference Papers and Conferences

Invited Lectures

Discussant in a distinguished panel for a roundtable discussion on “Climate Resilient Development: Challenges and Way Forward” organized jointly by Comsats University Islamabad and Islamabad Policy Research Institute-IPRI on November 23, 2022.

Organized and Moderated the 8th International Conference on Climate Change (ICCC): Environmental Management towards Sustainable Development Goals (SDGs) under the Changing Climate at AIT organized jointly by AIT, Sebelas Maret University, Surakarta, Indonesia, and Gifu University, Japan on November 17, 2022.

Invited lecture on "Planning and Management of Successful Agribusiness in Thailand" arranged by Aquaculture and Aquatic Resources Management (AARM), and Food Engineering and Bioprocess Technology (FEBT), AIT, Thailand during the International Training and Exposure Visit to Thailand Application of innovative technologies for climate-smart agri- aquaculture production and consumption for government officers from Vietnam. October 30 – November 11, 2022.

Delivered a panel talk to commemorate World Food Day 2022 on the topic “Agri-food supply chain disruptions due to COVID-19 pandemic” organized jointly on October 19, 2022 by the Department of Food, Agriculture and Bioresources and SERD, AIT.

Invited lecture on "Risk in agriculture and its management using insurance" arranged by AIT Extension during the International Training and Exposure Visit Program on Agricultural and Livestock Risk Mitigation Products for 18 officials from the Palli Karma-Sahayak Foundation (PKSF), Government of Bangladesh. October 16 – 28, 2022.

Invited lecture on "Planning and Management of Successful Agribusiness" arranged by the Yunus Center during the Professional Development Training and Study Visit Program on: Sustainable Development of Agriculture & Livestock Management for thirteen (13) senior officials from Ministry of Agriculture and Livestock Development (MoALD), Federal Democratic Republic of Nepal and Asian Development Bank (ADB), Nepal Resident Mission from 29 August – 02 September 2022.

Invited lecture on the topic “Precision Agriculture for Food Security and Agricultural Sustainability” on the occasion of Colloquium on Pakistan’s Economy in 2047 organized by Faculty Development Academy of COMSATS University Islamabad on November 9, 2021.

Seminar to commemorate the World Food Day 2021 on the topic “Precision Irrigation for Food Security and Agricultural Sustainability” organized on October 15, 2021 by Asian Institute of Technology, Thailand.

Invited lecture on the topic “Irrigation Landscape of Pakistan: History, Challenges and Way Forward” at 4th International Interdisciplinary Conference on Green Development in Tropical Regions on 7-8 July 2021. Universitas Andalas, Indonesia

Institute-Wide Seminar on the topic “Achievement of Sustainable Production from the Perspective of Sustainable Development Goals” on 12 July 2018. Asian Institute of Technology, Thailand.

Keynote Speeches

Delivered a Keynote on “Institutions to cope hydrological variability: cases from Pakistan” at Asia Region Biennial International Association Study of the Commons Meeting on “Redefining Diversity and Dynamism of Natural Resource Management in Asia”, 13-16, July 2018, AIT, Thailand.

Conference Presentations

Zulfiqar, F. 2022. Presented on the topic "Sustainable Water Governance" during Development Research Conference (DevRes) 2022 (<https://www.devres2022.org/>) held on August 22-24, 2022, hosted by Uppsala University and Karolinska Institutet. The conference theme was "Transforming Development Research for Sustainability".

Zulfiqar, F. 2022. Presented on the topic “Revision of Asian Irrigation Institutions and Systems” at Research Meeting of the Asian Irrigation Governance and Management Network on “Resilient Community Irrigation Management in Context of Climate Change and Multifunctional Rural-Urban Water Use Competition in Asia” at Asian Institute of Technology and Chiang Mai University, June 24-27, 2022. Hosted Jointly by Ostrom Center for Advanced study in Natural Resources Governance (OCeAN), Asian Institute of Technology (AIT) and Centre for Civil Society and Governance (CCSG), The University of Hong Kong.

Zulfiqar, F. 2022. Presented on the topic “Managing Climate-Smart Rice Value Chain” at Technology Clinic for Agro-Food Small and Medium-Sized Enterprises (SMEs) in Thailand. Organized by Asian Institute of Technology, June 08-10, 2022. Sponsored by Climate Technology Centre and Network (CTCN).

Zulfiqar, F. 2019. Presented on the topic “A Paradigm shift from Food Security to Food and Nutritional Security” at Conference on “Strategies for Agriculture led Rural Development”, October 9-10, 2019, at Serena Hotel Islamabad, Pakistan organized by Lok Sanjh Foundation.

Zulfiqar, F. 2019. Presented on the topic “Replicating Sustainability aspects of Chinese SEZ’s in Pakistan” at International Conference on “Special Economic Zones in Pakistan: Applicability of the Chinese Model”, March 25, 2019, at COMSATS University Islamabad, Pakistan organized by China Study Center.

Conference Papers

Zulfiqar, F., M. Zubair, R. Ullah. 2018. Climate-induced water scarcity and the effectiveness of community based water resource management. Asia Region Biennial IASC Meeting on “Redefining Diversity and Dynamism of Natural Resource Management in Asia”. Asian Institute of Technology, Bangkok, Thailand. July 13-16, 2018.

Zulfiqar, F., R. Ullah. 2017. Water commons and climate change: decentralization of irrigation water use policy in Pakistan. 2017 Commons Workshop, Enhancing Water Governance and Policy. Tsinghua University, Beijing, China. October 14-15, 2017.

Zulfiqar, F., S. Shahzad, M. Abid, R. Ullah. 2017. Managing water commons and the extent of their climate resilience in Punjab, Pakistan. ‘Practicing the commons: Self-governance, cooperation, and institutional change’ of The International Association for the Study of the Commons. Utrecht, Netherlands. July 10-14, 2017.

Zulfiqar, F., G.B. Thapa. 2016. The effect of cotton management practices on water use efficiency and water security challenges in Pakistan. Water Security and Climate Change: Challenges and Opportunities in Asia. Asian Institute of Technology, Bangkok, Thailand. 29 November - 01 December 2016.

Zulfiqar, F., G.B. Thapa. 2014. Environmental sustainability analysis of sub-national agriculture in Pakistan. Book of proceedings: Fifth International Scientific Agricultural Symposium “Agrosym 2014”, Jahorina, Bosnia and Herzegovina, October 23-26, 2014. The University of East Sarajevo, Faculty of Agriculture. Pp. 822-828.

Conferences Participated

2nd Regional Knowledge Forum on Drought and Climate Services for Food Security and Agricultural Decision Making in South and Southeast Asia. August 16-17, 2022 (Zoom). Organized by Asian Disaster Preparedness Center (ADPC), Thailand and International Centre for Integrated Mountain Development (ICIMOD), Nepal.

2nd Circular Technology Foresight Workshop, July 26, 2022. Organized by APEC Center of Technology Foresight (APEC-CTF) Thailand.

Conference on “Strategies for Agriculture led Rural Development”, October 9-10, 2019, at Serena Hotel Islamabad, Pakistan organized by Lok Sanjh Foundation.

International Conference on “Special Economic Zones in Pakistan: Applicability of the Chinese Model”, March 25, 2019, at COMSATS University Islamabad, Pakistan organized by China Study Center.

Asia Region Biennial IASC Meeting on “Redefining Diversity and Dynamism of Natural Resource Management in Asia”. Asian Institute of Technology, Bangkok, Thailand. July 13-16, 2018.

Organized by Asian Institute of Technology (AIT), Thailand. Chiang Mai University (CMU), Thailand. Ostrom Center for the Advanced Study in Natural Resource Governance (OCeAN). The International Association for the Study of Commons (IASC).

Climate Change Adaptation Policy and Science (CCAPS) Conference. Hosted by PARC, ICIMOD, TERI, BCAS, IDRC, and DFID under the HiAWARE project. February 26-27, 2018, Islamabad, Pakistan.

2017 Commons Workshop, Enhancing Water Governance and Policy. Tsinghua University, Beijing, China. October 14-15, 2017.

XVI Biennial Conference, ‘Practicing the commons: Self-governance, cooperation, and institutional change’ of The International Association for the Study of the Commons (IASC). Utrecht, Netherlands. July 10-14, 2017.

Regional Forum on Climate Change (RFCC) – Low Carbon and Climate Resilient Societies: Bridging Science, Practice, and Policy. July 1-3, 2015 at the Asian Institute of Technology, Thailand.

UNU-WIDER Conference on ‘Inequality – measurement, trends, impacts, and policies’, Helsinki, September 5-6, 2014.

Research Interests

Agricultural sustainability, value chains, water management, food and nutritional security, rural development, economics of development planning, efficiency analysis, innovation adoption, intensity of agricultural technology adoption, climate change and agriculture linkages, climate change and food security, agricultural risk management