

Muhammad Yaseen, PhD

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Agribusiness Management
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1. Work Experience

Assistant Professor Agribusiness Management, Faculty of Food, Agriculture and Natural Resources, Asian Institute of Technology, Thailand	2024–Present
Chair Agribusiness Management, Faculty of Food, Agriculture and Natural Resources, Asian Institute of Technology, Thailand	2024–2025
Post-Doctoral Researcher School of Agricultural Resources, Chulalongkorn University, Bangkok, Thailand	2022–2024
Associate Professor School of Economics and Management, Neijiang Normal University, Neijiang, China	2020–2022
Assistant Professor Department of Economics, University of Sahiwal, Sahiwal, Pakistan	2019–2020
Agricultural Officer / Assistant Director of Economics & Marketing Economics & Marketing wing, Department of Agriculture, Punjab, Pakistan	2006–2012

2. Education

Ph.D. (Regional and Rural Development Planning) Asian Institute of Technology, Thailand	2014–2018
M.Sc. (Regional and Rural Development Planning) Asian Institute of Technology, Thailand	2012–2014
M.Sc. (Agricultural Economics) University of Agriculture Faisalabad, Pakistan	2004–2006
B.Sc. (Agriculture: Agricultural Economics) University of Agriculture Faisalabad, Pakistan	2000–2004

3. Research Interests

- Agricultural economics
- Agribusiness management
- Agricultural risk management
- Sustainable agri-food value chains
- Climate-smart agriculture
- Technology adoption
- Agricultural marketing
- Agricultural policy analysis
- Agriculture information services
- Rural development
- Sustainable agriculture

4. Refereed International Journal Publications

1. Nath, T. D., Zulfiqar, F., **Yaseen, M.**, Tsusaka, T. W., Himanshu, S. K., Papong, S., & Datta, A. (2026). Does rice farmers' adoption of climate-risk management strategies enhance income? Evidence from rural Thailand. *Paddy and Water Environment*.
<https://doi.org/10.1007/s10333-026-01059-6>
(Publisher: Springer Nature, Impact Factor: 2.1) (Q1)
2. Fiaz, K., Irfan, M., **Yaseen, M.**, & Zulfiqar, F. (2026). Evaluating the robustness of community-managed irrigation systems compared to government-managed systems under climate shocks in Punjab, Pakistan. *Discover Sustainability*. <https://doi.org/10.1007/s43621-026-02622-1>
(Publisher: Springer Nature, Impact Factor: 3.0) (Q1)
3. Saqib, S. E., **Yaseen, M.**, Yang, S. H., Ali, S., & Visetnoi, S. (2025). Farmers' adaptation to climate change in Pakistan: Can their climate risk management strategies lead to sustainable agriculture?. *Journal of Environmental Management*, 373, 123447.
<https://doi.org/10.1016/j.jenvman.2024.123447>
(Publisher: Elsevier, Impact Factor: 8.4) (Q1)
4. **Yaseen, M.**, Saqib, S. E., Zulfiqar, F., Ali, S., & Visetnoi, S. (2025). Farmers' decisions under climate change: A field level empirical investigation of climate risk management strategies. *Sustainable Futures*, 10, 101390. <https://doi.org/10.1016/j.sftr.2025.101390>
(Publisher: Elsevier, Impact Factor: 4.9) (Q1)
5. Ali, A., Ali, S., Baird, I. G., & **Yaseen, M.** (2025). Exploring the potential role of Muslim spiritual leaders in coping with climate change through tree planting in Pakistan. *Local Environment*, 1-14.
<https://doi.org/10.1080/13549839.2024.2447748>
(Publisher: Taylor & Francis, Impact Factor: 2.8) (Q1)
6. Dong, L., Zulfiqar, F., Fahad, S., **Yaseen, M.**, Khan, S. S., Tsusaka, T. W., & Datta, A. (2025). Role of social capital in kiwifruit farmers' willingness to adopt and pay for sustainable green food certificates in China. *Scientific Reports*, 15(1), 20603. <https://doi.org/10.1038/s41598-025-06997-5>
(Publisher: Springer Nature, Impact Factor: 3.8) (Q1)
7. Dhakal, S., Ahmed, S. F., Sarkar, D., Ullah, H., Himanshu, S. K., **Yaseen, M.**, Cha-um, S., & Datta, A. (2025). Rice husk biochar and alternate wetting and drying irrigation influence the grain yield and water productivity of wet Direct-Seeded rice. *Irrigation and Drainage*.
<https://doi.org/10.1002/ird.70011>
(Publisher: Wiley, Impact Factor: 1.7) (Q2)
8. **Yaseen, M.**, Sajjad, W., Visetnoi, S., Amanah, S., & Saqib, S. E. (2024). Entrepreneurial Orientation and SMEs Efficiency With Government Financial and Non-Financial Incentives as Moderators. *SAGE Open*, 14(3), 21582440241281259.
<https://doi.org/10.1177/21582440241281259>
(Publisher: Sage Journals, Impact Factor: 2.0) (Q1)
9. Saqib, S. E., Kaleem, M., **Yaseen, M.**, Yang, S. H., & Visetnoi, S. (2024). From green fields to housing societies: Unraveling the mysteries behind agricultural land conversion in Pakistan. *Land Use Policy*, 144, 107256. <https://doi.org/10.1016/j.landusepol.2024.107256>
(Publisher: Elsevier, Impact Factor: 5.9) (Q1)

10. Saqib, S. E., **Yaseen, M.**, Ali, S., & Visetnoi, S. (2024). Agricultural Land Conversion and Challenges for Tenant Farmers: Empirical Evidence From Pakistan. *Land Degradation & Development*. <https://doi.org/10.1002/ldr.5395>
(Publisher: Wiley, Impact Factor: 3.7) (Q1)
11. Dong, L., Zulfiqar, F., **Yaseen, M.**, Tsusaka, T. W., & Datta, A. (2024). Why are kiwifruit farmers reluctant to adopt eco-friendly green food certification? An investigation of attitude-behavior inconsistency. *Journal of Agriculture and Food Research*, 16, 101106. <https://doi.org/10.1016/j.jafr.2024.101106>
(Publisher: Elsevier, Impact Factor: 6.2) (Q1)
12. **Yaseen, M.**, Saqib, S. E., Visetnoi, S., McCauley, J. F., & Iqbal, J. (2023). Flood risk and household losses: Empirical findings from a rural community in Khyber Pakhtunkhwa, Pakistan. *International Journal of Disaster Risk Reduction*, 96, 103930. <https://doi.org/10.1016/j.ijdrr.2023.103930>
(Publisher: Elsevier, Impact Factor: 4.5) (Q1)
13. Saqib, S. E., Lakapunrat, N., **Yaseen, M.**, Visetnoi, S., Boonchit, K., & Ali, S. (2023). Assessing the impacts of transitioning from rice farming to sugarcane cultivation on food security: Case of the dietary energy intake in the Northeast of Thailand. *NJAS: Impact in Agricultural and Life Sciences*, 95(1), 2278897. <https://doi.org/10.1080/27685241.2023.2278897>
(Publisher: Taylor & Francis, Impact Factor: 2.6) (Q3)
14. **Yaseen, M.**, Thapa, N., Visetnoi, S., Ali, S., & Saqib, S. E. (2023). Factors Determining the Farmers' Decision for Adoption and Non-Adoption of Oil Palm Cultivation in Northeast Thailand. *Sustainability*, 15(2), 1595. <https://doi.org/10.3390/su15021595>
(Publisher: MDPI, Impact Factor: 3.3)
15. **Yaseen, M.**, Ullah, F., Visetnoi, S., Ali, S., & Saqib, S. E. (2023). Does the Nature of Floods Matter in the Risk Perception of Households? A Comparative Assessment among the Rural Households Prone to Flash and Riverine Floods in Pakistan. *Water*, 15(3), 504. <https://doi.org/10.3390/w15030504>
(Publisher: MDPI, Impact Factor: 3.0)
16. **Yaseen, M***, Ahmad, M. M., Soni, P., Kuwornu, J. K. M., & Saqib, S. E. (2023). Factors influencing farmers' utilisation of marketing information sources: Some empirical evidence from Pakistan. *Development in Practice*, 33(1), 3-15. <https://doi.org/10.1080/09614524.2021.1911941>
(Publisher: Taylor & Francis, Impact Factor: 1.4) (Q2)
17. Saqib, S. E., **Yaseen, M.**, Visetnoi, S., & Ali, S. (2023). Epidemiological and economic consequences of lumpy skin disease outbreaks on farm households in Khyber Pakhtunkhwa, Pakistan. *Frontiers in Veterinary Science*, 10. <https://doi.org/10.3389/fvets.2023.1238771>
(Publisher: Frontiers, (Impact Factor: 2.9) (Q1)
18. Ahmad, M. M., **Yaseen, M.**, & Saqib, S. E. (2022). Climate change impacts of drought on the livelihood of dryland smallholders: Implications of adaptation challenges. *International Journal of Disaster Risk Reduction*, 80, 103210. <https://doi.org/10.1016/j.ijdrr.2022.103210>
(Publisher: Elsevier, Impact Factor: 4.5) (Q1)
19. Bounkham, P., Ahmad, M. M., & **Yaseen, M***. (2022). Determinants and benefits of using smartphone-based information for vegetable production and marketing: a case of Lao farmers. *Development in Practice*, 32(7), 981-994. <https://doi.org/10.1080/09614524.2022.2038086>

(Publisher: Taylor & Francis, Impact Factor: 1.4) (Q2)

20. Zulfiqar, F., Datta, A., Tsusaka, T. W., & **Yaseen, M.** (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>

(Publisher: Elsevier, Impact Factor: 9.6) (Q1)

21. Saqib, S. E., Arifullah, A., & **Yaseen, M.** (2021). Managing farm-centric risks in agricultural production at the flood-prone locations of Khyber Pakhtunkhwa, Pakistan. *Natural Hazards*, 107(1), 853-871. <https://doi.org/10.1007/s11069-021-04610-2>

(Publisher: Springer, Impact Factor: 3.7) (Q1)

22. Ullah, F., Ali Shah, S. A., Saqib, S. E., **Yaseen, M.**, & Haider, M. S. (2021). Households' flood vulnerability and adaptation: Empirical evidence from mountainous regions of Pakistan. *International Journal of Disaster Risk Reduction*, 52, 101967.

<https://doi.org/10.1016/j.ijdrr.2020.101967>

(Publisher: Elsevier, Impact Factor: 4.5) (Q1)

23. Sharma Pandit, S., Kuwornu, J. K. M., Datta, A., **Yaseen, M.**, & Anal, A. K. (2020). Analysis of marketing information sources among smallholder vegetable farmers. *International Journal of Vegetable Science*, 26(1), 96-105. <https://doi.org/10.1080/19315260.2019.1609148>

(Publisher: Taylor & Francis, Impact Factor: 1.1) (Q2)

24. **Yaseen, M***, & Ahmad, M. M. (2020). Appropriateness of agricultural marketing information service in Punjab, Pakistan. *Development in Practice*, 30(3), 308-319.

<https://doi.org/10.1080/09614524.2019.1656709>

(Publisher: Taylor & Francis, Impact Factor: 1.4) (Q2)

25. Mohammed, M. R., Mokbul, M. A., & **Muhammad, Y.** (2020). Declining foreign funds for NGOs and careers of field workers in Bangladesh. *International NGO Journal*, 15(2), 16–21.

<https://doi.org/10.5897/ingoj2020.0344>

26. **Yaseen, M***, Ahmad, M. M., & Soni, P. (2018). Farm Households' Simultaneous Use of Sources to Access Information on Cotton Crop Production. *Journal of Agricultural & Food Information*, 19(2), 149-161. <https://doi.org/10.1080/10496505.2017.1325743>

(Publisher: Taylor & Francis, Impact Factor: 0.4) (Q3)

27. Ahmad, M. M., & **Yaseen, M.** (2021). Coping with Salinity Intrusion in South-Western Bangladesh: The Continuing Struggle. In M. Babel, A. Haarstrick, L. Ribbe, V. R. Shinde, & N. Dichtl (Eds.), *Water Security in Asia: Opportunities and Challenges in the Context of Climate Change* (pp. 597-608). Cham: Springer International Publishing. (Book Chapter)

https://doi.org/10.1007/978-3-319-54612-4_44

5. Project Engagement

1. **Project Title: Regenerative Agriculture in ASEAN: Promoting Nature-positive Solutions for Rice Production (REGA-ASEAN)**

Duration: August 2023-July 2027

Role: Co-PI with Prof. Avishek Datta, Dr. Sushil Kumar Himanshu, and Dr. Farhad Zulfiqar

Donor: The Rockefeller Foundation, USA
Budget: USD 300,000 (THB 10,500,000)
Status: Ongoing

2. **Project Title: Agricultural and Rural Transformation for Nutrition, Entrepreneurship, and Resilience in Bangladesh**
Duration: May 2024-May 2032
Role: Co-PI with Prof. Avishek Datta, Dr. Sushil Kumar Himanshu, and Dr. Hayat Ullah
Donor: Bangladesh Agricultural Research Council (BARC), Bangladesh
Budget: USD 769,794 (THB 26,172,996)
Status: Ongoing
3. **Project Title: Strengthening Digital Agriculture Ecosystem and Developing E-Agriculture Solutions**
Duration: November 2024- November 2026
Role: Co-PI with Dr. Sushil Kumar Himanshu, Prof. Avishek Datta, and Dr. Hayat Ullah
Donor: Food and Agriculture Organization (FAO) of the United Nations
Budget: THB 1,516,356
Status: Ongoing
4. **Project Title: Climate-Induced Risks in Agriculture: Assessing and Addressing On-Farm Impacts**
Duration: January 2025-May 2026
Role: PI
Donor: AIT
Budget: THB 150,000
Status: Ongoing
5. **Project Title: Fisheries Stock Assessment GLLSP Phase-II**
Duration: January 2025-December 2027
Role: Co-PI with Dr. Hayat Ullah, Prof. Avishek Datta, and Dr. Sushil Kumar Himanshu
Donor: Government of Balochistan, Pakistan
Budget: THB 550,620
Status: Ongoing
6. **Project Title: Climate-Smart Agribusiness Management Practices and Innovations**
Duration: May 2025-December 2026
Role: PI
Donor: AIT
Budget: THB 200,000
Status: Ongoing
7. **Agrometeorology and its Applications in Agriculture**
Duration: April 2025-March 2030
Role: Co-PI with Prof. Avishek Datta, Dr. Sushil Kumar Himanshu, and Dr. Hayat Ullah
Donor: Ministry of Agriculture and Livestock, Royal Government of Bhutan
Budget: THB 1,000,000
Status: Ongoing
8. **Natural Resource Economics and Livestock Research**
Duration: July 2025-December 2027
Role: PI
Donor: Sultan Qaboos University, Oman
Budget: THB 626,270
Status: Ongoing
9. **Improvement in Agri-aqua Production Systems in Pakistan**
Duration: November 2025-December 2029

Role: Co-PI with Dr. Hayat Ullah, Prof. Avishek Datta, and Dr. Sushil Kumar Himanshu
 Donor: Government of Balochistan, Pakistan
 Budget: THB 940,000
 Status: Ongoing

10. Strengthening Statistical Knowledge on Standard Methodologies of Statistical Systems for Quality of Data Collection and Analysis

Duration: October 2025-December 2027

Role: Co-PI with Dr. Sushil Kumar Himanshu, Prof. Avishek Datta, and Dr. Hayat Ullah

Donor: Food and Agriculture Organization (FAO) of the United Nations

Budget: THB 1,858,881

Status: Ongoing

11. Project Title: International Forum on Education for Rural Transformation (IFERT)

Duration: July 2017–December 2019

Donor: UNESCO International Research and Training Centre for Rural Education

Role: External Consultant

Status: Completed

6. Student Research Supervision

6.1. Theses supervised

Summary of student research supervision at AIT

STUDENTS	COMPLETED			IN-PROGRESS		
	Chair of the Committee	Co-Chair of the Committee	Member of the Committee	Chair of the Committee	Co-Chair of the Committee	Member of the Committee
Master's	5	5	14	6	1	10
Doctoral	-	-	1	10	1	12

6.2. Doctoral students (as Program Committee Chair/Co-chair)

No.	Student's Name / Country	Academic Program	Dissertation title	Status	Role
1	Ms. Sreyneath Chhun (Cambodia)	Agribusiness Management	Improving Rice Flake Processing Efficiency Through Value Chain Analysis and Simulation-Based Lean Approach: A Case Study of Battambang Province, Cambodia	Ongoing	Chair
2	Ms. Ngamjai Boonrahong (Thailand)	Agribusiness Management	Adoption and Impact of Sustainable Supply Chain Management Practices in Coffee Manufacturing MSMEs in Northern Thailand	Ongoing	Chair
3	Mr. Abdullah- Al-Zabir (Bangladesh)	Agribusiness Management	Predictive modeling of rice seed demand in Bangladesh using Machine learning	Ongoing	Chair

4	Mr. Md. Imrul Kaysar (Bangladesh)	Agribusiness Management	Value chain Analysis for Sustainable Mango Production in Bangladesh	Ongoing	Chair
5	Mr. Istiak Ahmed (Bangladesh)	Agriculture System and Engineering	Economic Implications of Post-harvest Losses in Rice Seed Production: A Comparative Study of Contract and Non-contract Farming Systems	Ongoing	Chair
6	SM Raza (Bangladesh)	Agriculture System and Engineering	Impact of Adopting Improved Sugarcane Production Practices Recommended by BSRI on Growers' Yields and Profitability in Mill and Non-mill Zones in Bangladesh	Ongoing	Chair
7	Mrs. Anna Marie Medrano Bahala (Philippines)	Agribusiness Management	Climate Change and Its Implications for Rice Farmers in Isabela, Philippines: An Analysis of Impact, Innovation, and Adaptation Strategies	Ongoing	Chair
8	Mrs. Shahria Khalid Mautante (Philippines)	Agribusiness Management	Assessment of the Determinants, and Economic Implications of Post-Harvest Losses in Philippines	Ongoing	Chair
9	Mr. Tinnagorn Petsungnoen (Thailand)	Agribusiness Management	Title pending	Ongoing	Chair
10	Mr. Endiarjati Dewandaru Sadono (Indonesia)	Agribusiness Management	Title pending	Ongoing	Chair
11	Mr. Saw Thant Zin Aye (Myanmar)	Climate Change and Sustainable Development	Climate-Induced Agricultural Risks and Management Practices of Smallholder Farmers and Their Impact on Profitability: A Case Study of Hpa-an Township, Myanmar	Ongoing	Co-Chair

6.3. Doctoral students (as Program Committee Member)

No.	Student's Name	Academic Program	Dissertation title	Status	Role
1	Ms. Nitchakan Inkong (Thailand)	Natural Resources Management	Unlocking the Potential for Smallholder Farmers in Highlands to Diversify the Farming Practices from Monocropping and to Adopt Climate-smart Agriculture: The Case of Northern Thailand	Graduated, August 2025	Member
2	Ms. Phastraporn Salaisook (Thailand)	Development and Sustainability	Organic Farming Subsidy, Contractual Arrangements, Export Markets, And Household Consumption: The Livelihood Impact Analysis of Leaders, Members, And Non-Members of Paddy Producer Groups in Northeast Thailand	Ongoing	Member

3	Mr. Nguyen Huu Loi (Viet Nam)	Natural Resources Management	Low-carbon Rice Production Practices in the Mekong Delta of Vietnam: Farmers; Perception, Efficiencies, and Environmental Impacts	Ongoing	Member
4	Mr. Ye Shian (China)	Development Planning Management and Innovation	Assessment of Impacts of Rural Tourism on Cultural Heritage Revitalization	Ongoing	Member
5	Mr. Mitesh Vishwas Sawant (India)	Agricultural Systems & Engineering	Localization and Optimization of an Agro-Meteorological Advisory Services to Support Farmers' Decision Making in the Context of Climate Change for Selected Districts in Bihar, India	Ongoing	Member
6	Mr. Shubham Anil Gade (India)	Agricultural Systems & Engineering	Enhancing Productivity Through Precision Agriculture: An Integrated Crop Management Approach Leveraging Machine Learning and Advanced Imaging Techniques	Ongoing	Member
7	Phan Tuan (Viet Nam)	DBA	Title pending	Ongoing	Member
8	Nguyen Dung (Viet Nam)	DBA	Title pending	Ongoing	Member
9	Wint Aung (Myanmar)	Management	Title pending	Ongoing	Member
10	Rawisara Yimpakdee (Thailand)	Management	Title pending	Ongoing	Member
11	Nantawan Khantee (Thailand)	Management	Title pending	Ongoing	Member
12	Jiaqi Zhang (China)	Management	Title pending	Ongoing	Member
13	Prachya Mruetusatorn (Thailand)	Management	Title pending	Ongoing	Member

6.4. Master students (Graduated as Program Committee Chair/Co-chair)

No.	Student's Name	Academic Program	Thesis title	Status	Role
1	Ms. Warisara Khotapanya (Thailand)	Agribusiness Management	Assessing Cassava Farmer Perceptions and Willingness to Pay for Weather Index Insurance in Nakhon Ratchasima, Thailand	Graduated, May 2025	Chair
2	Ms. Nongnapat Rugniyom (Thailand)	Agribusiness Management	Factors Influencing Thai Consumers to Consume Ultra-Processed Food Products in Bangkok and Metropolitan Area	Graduated, May 2025	Chair
3	Mr. Sultan Adeel (Pakistan)	Agribusiness Management	Small-Scale Farmers' Stewardship in the Anthropocene: A Natural Experiment on the Adoption of New Theory Farming Practices for Sustainable Livelihoods in Ayutthaya Province, Thailand	Graduated, May 2025	Chair
4	Ms. Bernajocele Jalyn Sicatin Baldoza (Philippines)	Agribusiness Management	Socioeconomic Conditions and Operational Challenges of Seaweed Farmers: A Case Study of Caluya Islands, Philippines	Graduated, May 2025	Chair
5	Mr. Mir Mokaddesh Ali (Bangladesh)	Agribusiness Management	Sustainability Challenges and Innovative Management Practices of Livestock Farmers in Northern Bangladesh	Graduated, May 2025	Chair
6	Ms. Chawanrat Euafua (Thailand)	Agribusiness Management	Assessment of Benefits, Costs, and Factors Affecting the Adoption of Traceability System in Rice	Graduated, May 2024	Co-Chair
7	Ms. Sushmita Malagi (India)	Agribusiness Management	Financial and Irrigation Use Efficiency Analysis of Drip Irrigation Technology in Sugarcane, Karnataka, India	Graduated, May 2024	Co-Chair
8	Ms. Lu Xingtong (China)	Agribusiness Management	Analysis of Factors Affecting Profitability in the yellow-feathered Broiler Farming Industry: A Case Study of Guangxi, China	Graduated, July 2024	Co-Chair
9	Ms. Anagha Arun Arga (India)	Agribusiness Management	The Country-of-Origin Effect on Consumer Tea Preferences in Thailand: A Focus on the Indian Diaspora	Graduated, May 2024	Co-Chair
10	Ms. Su Toe Myitta Lwin (Myanmar)	Climate Change and Sustainable Development	Assessing the Impact of Climate Information Services Accessibility on the Adoption of Sustainable Agriculture Practices Among Rice Farmers in Northern Thailand	Graduated, July 2025	Co-Chair

6.5. Master students (Graduated as Program Committee Member)

No.	Student's Name	Academic Program	Thesis title	Status	Role
1	Ms. Kathleen Mae Auxtero (Philippines)	Agribusiness Management	Assessing Farmers' Adoption and Continuance Intention to Use a Mobile App for Agrometeorological Forecasts and Advisories: Insights from Thailand and Vietnam	Graduated, May 2025	Member
2	Mr. Kittipong Woraratpoka (Thailand)	Agribusiness Management	Factors Influencing the Adoption of Organic Fertilizer by Durian Farmers: A Case Study in Srisaket Province, Thailand	Graduated, May 2024	Member
3	Ms. Vo Doan Anh Thu (Viet Nam)	Agribusiness Management	The Impacts of Participatory Guarantee Systems on Farmers Who Produce Local Specialties – Evidence from the North of Vietnam	Graduated, May 2024	Member
4	Ms. Vachana Jagadeesh (India)	Agribusiness Management	Digital Connect with Farmers and Digital Influencers for East West Seed India Products	Graduated, July 2024	Member
5	Ms. Ouly Thorng (Cambodia)	Agribusiness Management	Sustainability Assessment on Vegetable Production Under Cambodia's Good Agriculture Practices (CamGap) in Kandal Province	Graduated, July 2024	Member
6	Mr. Muzamil Afzal (Pakistan)	Agricultural Systems & Engineering	Comparative Study for Alleviating Copper Toxicity using Silicon and Arbuscular Mycorrhizal Fungi in Cucumber and Tomato Plant Roots	Graduated, July 2024	Member
7	Ms. Soe Sandy Lin (Myanmar)	Climate Change and Sustainable Development	Farmers' Perceptions of Climate Change with Meteorological Data and Adaptation Strategies in Rice Production: Evidence from Northern Thailand	Graduated, July 2024	Member
8	Mr. Mriganka Talukdar (India)	Agricultural Systems & Engineering	Effects Of Biochar on Yield and Productivity of Rice Subjected to Alternate Wetting and Drying Irrigation	Graduated, May 2025	Member

9	Mr. Jirapat Suksomboon (Thailand)	Agricultural Systems & Engineering	Assessing The Effect of Different Irrigation Levels and Biochar Applications Using Remote Sensing Technology on Bell Pepper	Graduated, May 2025	Member
10	Mr. Haji Muhammad (Pakistan)	Agricultural Systems & Engineering	Effect Of Biochar and Nitrogen Application on Rice Growth, Yield, Water Productivity, And Nitrogen Use Under Awd Irrigation System	Graduated, May 2025	Member
11	Mr. Aadarsh Rijal (Nepal)	Agricultural Systems & Engineering	Effects of Biochar and Establishment Method on Growth, Physiology, Yield and Water Productivity of Rice Subjected to Alternate Wetting a Drying Irrigation	Graduated, May 2025	Member
12	Ms. Chaturthi Chakma (Bangladesh)	Natural Resources Management	Assessing The Impact of Indigenous Knowledge on Community-Based Resource Management in Village Common Forests of The Chittagong Hill Tracts, Bangladesh	Graduated, May 2025	Member
13	Ms. Asmita Bhattarai (Nepal)	Natural Resources Management	Assessing Human-wildlife Conflict in Pokhara, Nepal: Impact on Livelihoods and Natural Resources Management	Graduated, May 2025	Member
14	Nikitha Kumari (India)	Agricultural Systems & Engineering	Low-cost Image-based Coffee Plant Variety Identification System using Mobile Photography under Controlled Environment	Graduated, December 2025	Member

6.6. Master students (Ongoing as Program Committee Chair/Co-chair)

No.	Student's Name	Academic Program	Thesis title	Status	Role
1	Mr. Aditya Prakash (India)	Agribusiness Management	An Assessment of Post Harvest Losses of Banana at Farm Level in Northern Bihar, India	Ongoing	Chair
2	Mr. Faisal Younus Khan (Pakistan)	Agribusiness Management	Analysis Of Market Access to Foster Income of Citrus Growing Farmers in Khyber Pakhtunkhwa, Pakistan	Ongoing	Chair
3	Mr. Jovel Grand Catalan Marquez	Agribusiness Management	Fertilizer Subsidies: Implications For Smallholder Productivity and The Sustainability of Farmers'	Ongoing	Chair

	(Philippines)		Organizations in Midsayap, Philippines		
4	Ms. Pushpalata Neupane (Nepal)	Agribusiness Management	Adoption and Impacts of Climate Risk Management Strategies among Rice Farmers in the Central Region of Thailand	Ongoing	Chair
5	Ms. Saida Samara Khan (Bangladesh)	Agribusiness Management	Sustainable Food Waste Management in Thailand's Tourism Sector	Ongoing	Chair
6	Mr. Sushant Raman Nepal (Nepal)	Agribusiness Management	Access to agricultural production and marketing information and its impact on the vegetable's farmers income in eastern development region	Ongoing	Chair
7	Kainat Ahmad (Pakistan)	Climate Change and Sustainable Development	Assessing the impact of climate information services accessibility on the adoption of climate smart agriculture practices among Vegetables farmers in Pathumthani	Ongoing	Co-Chair

6.7. Master students (Ongoing as Program Committee Member)

No.	Student's Name	Academic Program	Thesis title	Status	Role
1	Puja Teyung (Nepal)	Agribusiness Management	Determinants of Cooperative Membership and Farmers' Perceptions Toward Tea Cooperatives in Nepal	Ongoing	Member
2	Rajat Desai (India)	Agribusiness Management	Adoption and Profitability of Drip Irrigation and Intercropping Practices in Sugarcane Farming: in Western Maharashtra	Ongoing	Member
3	Khan Daraz (Pakistan)	Agribusiness Management	Economic Impact of Watercourses Improvement in Mardan Region, Pakistan	Ongoing	Member
4	Thapeetha Arudselven (Sri Lanka)	Aquaculture and Aquatic Resources Management	Generation-specific Responses to Crossbreeding in Chitralada Tilapia: A Comparative Study of Growth, Morphology, and Carcass Quality	Ongoing	Member
5	Nandan Hegde (India)	Climate Change and Sustainable Development	Ecosystem Services of Betta Lands: Insights from a Unique Traditional Forest Management System in Uttara Kannada, Karnataka, India	Ongoing	Member
6	Yogesh Paudel (Nepal)	Climate Change and Sustainable Development	Optimal Allocation of Nature-based Solutions for Sediment Retention and Carbon Sequestration in	Ongoing	Member

			Sindhupalchowk District of Nepal		
7	Nawan Wangkun (Thailand)	Natural Resources Management	Behavioral Determinants of Sugarcane Farmers' Adoption of Pre-harvest Non-burning Practices: An Integrated TPB-VBN Framework in Saraburi, Thailand	Ongoing	Member
8	Warut Maihom (Thailand)	Agricultural Systems & Engineering	Title pending	Ongoing	Member
9	Anto Sorub (India)	Aquaculture and Aquatic Resources Management	Title pending	Ongoing	Member
10	Durgesh Chavande (India)	Aquaculture and Aquatic Resources Management	Title pending	Ongoing	Member

7. Professional Services/ Outreach Activities

- Led the team in conducting international workshop for over 150+ participants from China, Thailand, Cambodia, and Vietnam, and Lao PDR focusing on the sustainable agribusiness and rural development, supported by the UNESCO-INRULED and AIT [2025]
- Co-led the team in conducting regional consultation for over 200+ participants from Thailand, Cambodia, and Lao PDR focusing on Climate-Smart Rice Production in ASEAN, supported by the UNESCO-INRULED and AIT [2025], supported by the Rockefeller Foundation [2025]
- Co-led the team in conducting farmer training for over 150+ participants focusing on Biochar Application and Alternate Wetting and Drying Irrigation for Sustainable Rice Production, supported by the Rockefeller Foundation [2025]
- Led the team in conducting youth forum for over 100+ participants focusing on innovations for sustainable rural development, supported by the UNESCO-INRULED [2025]
- Invited by UNESCO International Research and Training Centre for Rural Education (INRULED), participated in the International Capacity-Building Seminar on the Partnership Network for Education Promoting Sustainable Development. Organized by the UNESCO-INRULED, China [12-15 April 2025]
- Attended 'International Capacity Building Workshop on Education for Sustainable Rural Development. Organized by the Beijing Normal University, Beijing, China [07-10 April 2025]
- Attended 4th International Conference on Environment, Livelihood, and Services (ICELS 2024) and served as a speaker, held at the Queen Sirikit National Convention Center, Bangkok, Thailand [19-21 November 2024]
- Attended workshop on 'Training Workshop on 'Structural Equation Modelling (SEM) and MATLAB'. Organized by Organized by the Asian Institute of Technology, Thailand [8-9 and 20 October 2018]
- Attended Summer School on Gender, Education and Development. Organized by the Ochanomizu University, Tokyo, Japan [08-28 July 2017]

- Attended global course on ‘Integrated Approaches to Sustainable Development Practice’ organized by the Earth Institute, Columbia University [September - December 2013]
- Organized a workshop on ‘Education for Sustainable Agribusiness and Rural Development’ at AIT Conference Center, supported by the UNESCO-INRULED and AIT [September 2025]
- Organized a youth forum on ‘Sustainable Rural Development’ at AIT Conference Center, supported by the UNESCO-INRULED [September 2025]
- Organized a training on ‘Natural Resource Economics and Livestock Research’, supported by the supported by the Sultan Qaboos University, Oman [July 2025]
- Co-organized a workshop on ‘Regional Consultation on Climate-Smart Rice Production in ASEAN’, supported by the supported by the Rockefeller Foundation [November 2025]
- Co-organized a workshop on ‘Farmer Training Program on Biochar Application and Alternate Wetting and Drying Irrigation for Sustainable Rice Production in ASEAN’, supported by the Rockefeller Foundation [March 2025]
- Reviewed articles for more than 20 journals including International Journal of Disaster Risk Reduction (Publisher: Elsevier); Development in Practice (Publisher: Taylor and Francis); Journal of Environmental Management (Publisher: Elsevier), Environmental Science and Pollution Research (Publisher: Springer); Natural Hazards (Publisher: Springer) Scientific Reports (Publisher: Springer Nature); International Journal of Vegetable Science (Publisher: Taylor & Francis); Journal of Agriculture and Food Research (Publisher: Elsevier); Trees, Forests and People (Publisher: Elsevier); Discover Sustainability (Publisher: Springer); Heliyon. (Publisher: Elsevier); Sustainable Futures (Publisher: Elsevier); Societal Impacts (Publisher: Elsevier)

8. Social Impact

8.1 Honours/awards/recognition

- Appointed as consultant for the UNESCO International Research and Training Centre for Rural Education for five years from December 2024 to December 2029 [December 2024]

8.2 News in mass media

- AIT Newsletter, coverage on appointment as consultant for the UNESCO INRULED and representing AIT in high-level capacity building events in China. (<https://ait.ac.th/2025/04/dr-muhammad-yaseen-appointed-as-unesco-inruled-consultant-represents-ait-in-high-level-capacity-building-events-in-china/>)
- AIT Newsletter, coverage on organizing international workshop & youth forum on sustainable agribusiness and rural development. (<https://ait.ac.th/2025/09/ait-hosts-international-workshop-youth-forum-on-sustainable-agribusiness-and-rural-development/>)
- International News, coverage on serving as a panelist in international capacity-building seminar on rural revitalization, China. (<https://news.cri.cn/2025-04-17/43bf7e63-6fd6-781b-4ed9-a37ff64bf10a.html>)
- International News, coverage on participating international capacity building seminar of the education for sustainable development partnership network, China. (<https://mp.weixin.qq.com/s/jkHv0WdVuBs1EQvSXVtEUq>)
- China News, coverage on participating rural revitalization themed event, China. (<https://js.chinadaily.com.cn/a/202504/17/WS6800e002a310e29a7c4a9d89.html>)

- China News, coverage on exploring Guannan's Path and Benefiting People Together, China. (<http://js.news.cn/20250417/0b5dec9d725d4bdf83b7b9f2ef62042c/c.html>)

8.3 Keynote/invited speaker at reputable Conferences/Workshops/Seminars

- Invited speaker to deliver a presentation on “Sustainable Agricultural and Rural Development through education and training” presented at Rural Revitalization Thematic Event & International Capacity-Building Seminar on the Partnership Network for Education Promoting Sustainable Development, held at Guannan/Suining, Jiangsu, China [12-15 April 2025]
- Plenary speaker to deliver a presentation on ‘Agro-meteorological Forecasts and Advisories through Mobile Application and Social Media for Climate-Smart Agriculture in Thailand and Vietnam-AFAS [29 April 2025]
- Invited speaker to deliver a presentation on “Role of Higher Education Institutions in Empowering Communities through Knowledge Sharing and Capacity Building” presented at 2025 International Capacity Building Workshop on Education for Sustainable Rural Development, held at the Jingshi Conference Room, Beijing Normal University, Beijing, China [7-10 April 2025]
- Invited speaker to deliver a presentation on “Knowledge Sharing and Capacity Building for Empowering Farming Communities towards Agricultural Sustainability” presented at 4th International Conference on Environment, Livelihood, and Services (ICELS 2024), held at the Queen Sirikit National Convention Center, Bangkok, Thailand [19-21 November 2024]
- Invited speaker to deliver a presentation on ‘Project Management and Leadership for Development Professional, Asian Institute of Technology, Thailand [14-23 October 2024]
- Invited speaker to deliver a presentation on “ESG and its importance for Business”. MIMA Institute of Management, Pune, India [7 October 2024]
- Invited speaker to deliver a lecture on “SPSS and STATA for Data Analysis:”. Asian Institute of Technology, Thailand [27-28 October 2018]
- Invited speaker to deliver a presentation on “Use of ICT and agricultural information access” presented at UNESCO: International Forum on Education for Rural Transformation, held at AIT, Thailand [13-15 November 2017]
- Invited Speaker to deliver a presentation on “Assessing access to information: A case of farm households in Pakistan” presented at 3rd International Conference on Multidisciplinary Research; Catalyst to Economic Growth, held at AIT, Thailand [8-9 August 2017]