

CURRICULUM VITAE

PERSONAL DETAILS

Name: Humnath BHANDARI
Nationality: Nepali
Sex: Male
Current Position: Country Representative and Senior Scientist (Agricultural Economist)
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PROFILE OF DR. HUMNATH BHANDARI

Humnath Bhandari is now concurrently holding Country Representative and Agricultural Economist positions at IRRI Bangladesh. As a **Country Representative**, Dr. Bhandari provides strategic vision and leadership to IRRI programs in Bangladesh that includes developing country strategy and programs, managing and coordinating activities, providing technical oversights, making liaison with the government, developing partnership with stakeholders, representing IRRI in high-level meetings, and raising IRRI's profile and visibility. In addition, he provides leadership to the IRRI Bangladesh Office including oversight to human and financial resources, coordination of projects, achieving high performance results, and coordination with headquarters. As an **Agricultural Economist**, Dr. Bhandari leads socioeconomic research and projects in agriculture, food systems, and rural development in developing countries. His agricultural research-for-development works focus on rural livelihoods, income and poverty, food and nutrition security, sustainable agricultural production system, agricultural productivity growth, agrifood market systems, agribusiness, agrifood value chains, agricultural innovation, natural resources management, climate change adaptation and mitigation in agriculture, gender and youth, impact assessment, rural institutions, agricultural policies, and public-private partnership. Also, he has knowledge and experience on designing strategies, policies, and roadmaps for agrifood systems transformation. Dr. Bhandari has 20 years of professional and senior management level experience in designing, implementing, managing, and monitoring and evaluating large, multi-countries agriculture and rural development projects funded by international donors. He has worked in several countries in South, Southeast, and East Asia including Bangladesh, China, Cambodia, India, Japan, Laos, Nepal, Philippines, Thailand, and Vietnam. He has worked with a wide range of stakeholders including government, academic and research institutes, NGOs, the private sector, development partners, and grassroots organizations. He has worked as a mission leader, project leader, researcher, and liaison officer with the government. He is a team player with a track record of working in multicultural and multidisciplinary team environments. He has strong knowledge and skills in quantitative and qualitative research methods, designing and implementing large surveys, collecting and analyzing socioeconomic data using state-of-the-art statistical and econometric methods and tools, and writing technical and non-technical reports. He has excellent interpersonal, communications, presentations, and oral and written English skills.

EDUCATIONAL QUALIFICATIONS

Postdoc	Agricultural Economics	2005	International Rice Research Institute (IRRI), the Philippines
<i>Straight</i> Ph.D.	Agricultural Economics	2000	University of the Philippines Los Baños (UPLB), the Philippines
B.Sc.	Agriculture	1992	Tribhuvan University, Nepal

PROFESSIONAL SKILLS

- Proven ability to provide strategic vision and leadership to an organization including developing strategy and programs, managing and coordinating activities, building partnerships with stakeholders, making liaison with governments, representing in high-level meetings, and raising organization's profile.
- Proven ability to manage a large organization including planning, management, and supervision of human resources, budget, assets, procurement, and capacity building.
- Proven ability of a project leader to manage large agriculture and rural development projects implemented in single or multiple countries and funded by international donors. The acquired skills are proposal writing, project design and implementation, planning and management, M&E, contract negotiation, grant management, partner management, risk analysis, and project administration.
- Proven ability to conduct socioeconomic research on rural livelihoods, poverty, food and nutrition security, agriculture value chains, agricultural market, agribusiness, natural resources management, climate change, gender and youth, rural institutions, impact assessment, and agricultural policies.
- Strong competency to design and implement large-scale cross-country farm-level surveys; to collect and manage large micro-, meso-, and macro-level data using state-of-the-art data collection and management tools and software (e.g., CSPro, ODK & Surveybe); to analyze large dataset using various econometric methods (e.g., RCT) and tools (e.g., GAMS, SAS, SHAZAM, SPSS & STATA).
- Strong competency to use qualitative research methods (participatory rural appraisal/variety selection/wealth ranking/problem ranking, rapid market appraisal, and focus group discussions).
- Demonstrated ability to work in multidisciplinary & multicultural team and international organization.
- Demonstrated ability to communicate effectively, concoct interpersonal relations, and establish partnerships with diverse stakeholders including governments, policymakers, R&D organizations, NGO, CBO, the private sector, development partners, and farmers.
- Demonstrated ability to work with private companies in a public private partnership model.
- Demonstrated communications skills including verbal and written English, preparing progress and annual reports, writing technical and non-technical papers, presenting papers in international conferences, and organizing trainings, workshops, and policy dialogues.

PROFESSIONAL EXPERIENCE

Feb 2017 to present

Employer: International Rice Research Institute (IRRI), Bangladesh

Position: Country Representative for Bangladesh

Major duties and accomplishments:

- Provide strategic vision, direction, and leadership to IRRI programs in Bangladesh including developing country strategy and business plan, planning and designing country programs, providing technical oversights, and bringing synergies across program objectives.
- Lead IRRI programs in Bangladesh including oversights in planning, coordinating, implementing, and managing R&D projects and activities in the country. Generate funding to implement programs.
- Liaise with the government, represent IRRI in high-level meetings, and raise IRRI's profile and visibility.
- Build partnerships with different stakeholders including national agriculture R&D organizations, academic institutions, NGOs, civil society organizations, the private sector, and development partners.
- Lead the development of the IRRI Bangladesh Country Strategy, Business Plan, and Five-year Work plan.
- Lead the overall management of the country office including administration, human resources, budget, assets, and procurement. Build and nurture a dynamic team. Manage, supervise, and mentor over 50 staff.
- Implement IRRI culture, values, and policies in the country office.

- Serve as a focal person for smooth communication and coordination among IRRI's country, regional, and headquarters offices.

Aug 2010 to present

Employer: International Rice Research Institute (IRRI), Bangladesh

Position: Senior Scientist–Agricultural Economist

Major duties and accomplishments:

A. Research-for-Development (R4D) Responsibility

- Conduct socioeconomic research on agriculture, food systems, and rural development focusing on food and nutrition security, income and poverty, agriculture value chain, agriculture market systems and agribusiness, climate change, natural resource management, financial and economic analysis, gender and youth, rural livelihoods, rural transformation, and impact assessment.
- Design questionnaires, implement large-scale rural household surveys, and collect cross-section and panel data using ICT-based tools and techniques.
- Collect, manage, and analyze large-scale data for economic and social analysis of projects.
- Design and implement monitoring, evaluation, and learning system to monitor project progress and impact.
- Collaborate with private companies on socioeconomic and market research in the rice sector.
- Prepare and implement annual work plans, write quarterly and annual reports, and submit reports on the progress of activities and achievements to donors.
- Publish technical and non-technical papers, organise stakeholders' meetings, and communicate research findings in professional and non-professional meetings.
- Provide technical assistance and capacity building support to national partners in agriculture R&D.

B. Management Responsibility

- Write project proposals on agriculture, food systems, and rural development.
- Lead and manage agriculture, food systems, and rural development projects in terms of planning, managing, implementing, budgeting, staffing, procurement, grant management, partner management, and capacity building.
- Lead and/or contribute to the following research-for-development projects.
 - Climate adaptation assessment for spatial planning of investments in selected Asian Mega-Deltas, funded by ADB.
 - Securing the food systems of Asian Mega-Deltas for climate and livelihood resilience, funded by CGIAR.
 - Sustainable intensification of the mixed farming systems funded by CGIAR.
 - Impact of COVID-19 on the food value chains in Bangladesh funded by CGIAR.
 - Feasibility of digital markets for women agricultural value chain in Bangladesh funded by CGIAR
 - Using experimental evidence to scale up AWD technology for rice production in Bangladesh funded by the Massachusetts Institute of Technology (MIT/J-PAL/K-CAI).
 - Adoption and scaling of water-saving irrigation technology (AWD) in irrigated rice systems in Bangladesh funded by UKAID & Oxford Policy Management.
 - Impact of AWD on farm incomes and water savings in Bangladesh, funded by 3ie. Village dynamics and rural transformation in South Asia funded by BMGF.
 - Climate change adaptation in the Charlands of Bangladesh funded by USAID.
 - Evaluation and scaling of climate-smart agriculture in Bangladesh funded by ADB.
 - Sustainable intensification and diversification in Coastal Bangladesh funded by USAID.
 - Promoting Cereal systems initiative for South Asia (Bangladesh) funded by USAID.
 - Develop and promote stress tolerant rice varieties in South Asia (Bangladesh) funded by BMGF.
 - Develop and promote green super rice varieties in Asia (Bangladesh) funded by BMGF.
 - Adoption and impact of stress tolerant rice varieties in South Asia funded by BMGF.
 - Rice value chain analysis in Bangladesh funded by USAID.
- Design and implement innovative socioeconomic research studies, manage sub-grants to partners, develop partnerships with multiple stakeholders, and built capacity of the national research systems.
- Monitor project performance through indicators and evaluate project performance and results. Apply adaptive

and learning approach to iteratively evaluate project results and impacts.

- Coordinate and communicate project activities and organize project meetings and workshops.
- Coordinate and manage IRRI Agrifood Policy Platform's R4D activities in Bangladesh. Serve as focal person to coordinate socioeconomic research with national and international partners.
- Represent organization and project in technical discussion with stakeholders.

Sep 2010 to present

Employer: Institute for Social and Environmental Research Nepal (ISER-N), Nepal

Position: Research Advisor

Major responsibilities:

- Provide guidance to develop institute's research strategies and programs.
- Participate in important meetings and provide suggestion for successful functioning of the organization.
- Help write/review project proposals and provide guidance to implement projects.

Nov 2007 to Jul 2010

Employer: International Rice Research Institute, Philippines

Position: Postdoctoral Fellow (Agricultural Economist)

Major accomplishments:

A. Research-for-Development

- Designed and implemented cross-country research on rice landscape management, irrigation management and farmers' livelihoods; conducted an economic analysis of water use trade-off across the landscape; and analyzed institutional aspects of small-scale irrigation schemes in the uplands of Laos, Thailand, & Vietnam.
- Designed and implemented large-scale cross-country farm household surveys, and collected large-scale primary and secondary data using appropriate methods and tools.
- Analyzed survey data using state-of-the-art quantitative and qualitative analytical methods and tools. The sustainable livelihood framework approach was used to study farmers' livelihoods; a mathematical modelling approach was used to analyze resource flow interactions and water use trade-off across the landscape; and an econometric approach was used to analyze poverty and food security.
- Analyzed the adoption and impact of improved technologies on farmers' livelihoods.
- Wrote technical and non-technical papers, published scientific papers, and communicated results to policymakers and other stakeholders.

B. Management

- Led and managed the agricultural research-for-development project titled "Rice landscape management for raising water productivity, conserving resources, and improving livelihoods in upper catchments of the Mekong and Red River Basins (Lao PDR, Thailand, and Vietnam)."
- Established partnerships with different organizations in three countries, managed sub-grants to the partners, and helped build the research capacity of the partner institutions.
- Provided technical and managerial leadership to projects for planning, budgeting, staffing, & implementation.
- Successfully organized high-level stakeholders' meetings, workshops, and policy dialogues.
- Coordinated and communicated project activities regularly with the project leaders and donors.
- Prepared periodic technical and financial reports for donors.

Oct 2005 to Sep 2007

Employer: Japan International Research for Agricultural Sciences, Japan

Position: Japan Society for Promotion of Science (JSPS) Research Fellow

Major accomplishments:

- Led and managed a water management research project title "Role of social capital and water management institution on land and water resources management in Southeast Asia."

- Designed and implemented farm-household surveys to study farmers' land and water resources management strategies in Cambodia and Northeast Thailand.
- Used quantitative analytical methods including Regression Analysis and Principal Component Analysis to analyze the role of social capital and water institutions on management of small-scale irrigation systems.
- Analyzed cross-country temporal pattern of changes in human capital and social capital in Asia using the multiple-wave of World Value Survey data collected worldwide by the University of Michigan, USA.
- Communicated research findings through working papers, journal articles, and conference proceedings.
- Established partnerships with different organizations in two countries and managed sub-grants provided to the collaborators in three countries.
- Coordinated and communicated project activities regularly with the project leader and donors.
- Prepared periodic financial and technical reports to the donor.

Sep 2002 to Aug 2005

Employer: International Rice Research Institute, Philippines

Position: Postdoctoral Fellow (Agricultural Economist)

Major accomplishments:

- Led and managed the research project titled "Economic cost of drought and farmers' risk coping mechanisms in South and Southeast Asia (China, India, and Thailand)."
- Designed and implemented large-scale cross-country farm household surveys. Large volumes of cross-section primary and time-series secondary data from three countries were collected, managed and analyzed.
- Conducted economic analysis of drought and farmers' coping mechanisms to drought using appropriate econometric tools and a case study approach.
- Communicated research findings through various means including scientific, technical and non-technical reports, edited book, working papers, journal articles, and presentation in international meetings.
- Established partnerships with different organizations in three countries, managed sub-grants to the partners, and helped strengthen the research capacity of the partner institutions.
- Managed and completed the project including the writing of project completion reports.
- Served as a focal person to liaison with internal and external stakeholders including the donor.

Jun 2000 to Aug 2002 (Academic)

Employer: Institute of Agriculture and Animal Science (IAAS), Tribhuvan University, Nepal

Position: Assistant Professor, Department of Agricultural Economics

Major accomplishments:

- Taught courses on agricultural economics and statistics to undergraduate and graduate students, and involved in different research projects. I taught subjects on agricultural development, farm management, production economics, agricultural marketing, microeconomics, applied statistics, and econometrics.

Jun 2000 to Aug 2002 (Research)

Employer: Institute of Agriculture and Animal Science, Tribhuvan University, Nepal

Position: Member of a multidisciplinary research team in several projects listed below.

1. Off-season production and marketing of lime/lemon in Nepal, 2000-2003. The agriculture research project funded by the UK Department for International Development (DFID).
2. Improvement of post-harvest shelves life of horticultural commodities in the Hills of Nepal, 2001-2004. The agriculture research project funded by DFID.
3. Production and marketing of vegetables in Lamjung District, Nepal, 1999-2002. A project funded by DFID.
4. Water management study program, 2001-2002. The agriculture research project on irrigation management systems and water institutions in Terai of Nepal funded by the Rockefeller Foundation.

Jun 1993 to Mar 1995

Employer: Directorate of Research, IAAS, Tribhuvan University, Nepal

Position: Research Assistant

Major accomplishments:

- Assisted team leader to design and implement field research activities and writing reports.
- Collected and analyzed data on fruits and vegetables production and marketing in the western Nepal.
- Collect and analyzed data on farmers' managed irrigation systems in Hills and Terai region of Nepal.

LIST OF PUBLICATIONS

Book

1. **Bhandari H**, et al. 2022. *Structural transformation in Asian rice economies: implications for future rice research and development*. 345p. (under review).
2. Shrestha RB, Ali Y, **Bhandari H**, Islam MA. (editors). 2020. *Family farmers' cooperatives: ending poverty and hunger in South Asia*. (Dhaka (BD): SAARC Agriculture Center. 228 p.
3. Pandey PR, **Bhandari H**, Bokhtiar SM. (editors). 2019. "Seeds Without Borders" initiative in South Asia: Current status and future directions. SAARC Agriculture Centre, Dhaka, Bangladesh. 206 p.
4. Pandey PR, **Bhandari H**. (editors). 2018. *Rice technological innovation and value chain development in South Asia: Current status and future directions*. Dhaka (Bangladesh): SAARC Agriculture Centre. 164 p.
5. **Bhandari H**. 2014. The economics of groundwater irrigation in rice-based systems in Nepal. LAP LAMBERT Academic Publishing, GmbH & Co. KG, Saarbrücken (Germany).
6. Pandey S, **Bhandari H**, Hardy B. (editors). 2007. *Economic costs of drought and rice farmers' coping mechanisms: a cross-country comparative analysis from Asia*. Los Baños (Philippines): International Rice Research Institute. 203 p.

Peer-reviewed journal articles

1. Alam GMM, Sarker MNI, Gatto M, **Bhandari H**, Naziri D. 2022. *Impacts of COVID-19 on the fisheries and aquaculture sector in developing countries and ways forward*. Sustainability, 14(1):1-13
2. Dikitanan RC, Pede VO, Rejesus RM, **Bhandari H**, Alam GMM, Andrade RS. 2022. *Assessing returns to research investments in rice varietal development: Evidence from the Philippines and Bangladesh*. Global Food Security, 33:100646.
3. Islam Faijul, Alam GMM, Begum R, Sarker MNI, **Bhandari H**. 2022. *Farm level adaptation to climate change: insight from rice farmers in the coastal region of Bangladesh*. Local Environ, 27(6): 671-681.
4. Mamun AA, Islam ARMT, Alam GMM, Sarker MNI, Erdiaw-Kwasie MO, Bhandari H, Mallick J. 2022. *Livelihood vulnerability of Charland communities to climate change and natural hazards in Bangladesh: An application of livelihood vulnerability index*. Nat Hazards, 2022. DOI: 10.1007/s11069-022-05599-y.
5. Mishra AK, Pede VO, Arouna A, Labarta R, Andrade R, Veettil P, **Bhandari H**, Laborte AG, Balie J, Bouman B. 2022. *Helping feed the world with rice innovations: CGIAR research adoption and socioeconomic impact on farmers*. Global Food Security, 33:100628.
6. Yamano T, **Bhandari H**, Malabayabas ML, Habib MA, Das SK. 2021. *Bidding for seed price via mobile phone: A case of submergence-tolerant rice in northern Bangladesh*. Food Policy (submitted).
7. Shrestha RB, **Bhandari H**, Pandey S. 2022. *Profit efficiency of smallholder vegetable farms in Nepal: implications for improving household income*. Frontiers in Sustainable Food Systems, 5:691350.
8. Assefa Y, Yadav S, Mondal MK, Bhattacharya J, Parvin R, Sarker SR, Rahman M, Sutradhar A, Prasad, PVV, **Bhandari H**, Shew AM, Jagadish SVK. 2021. *Crop diversification in rice-based systems in the polders of Bangladesh: Yield stability, profitability, and associated risk*. Agricultural System, 187, 102986.
9. Bairagi S, **Bhandari H**, Das SK, Mohanty S. 2021. *Flood-tolerant rice improves climate resilience, profitability, and household consumption in Bangladesh*. Food Policy, 105:102183.
10. Islam F, Alam GMM, Begum R, Sarker MNI, **Bhandari H**. 2021. *Vulnerability, food security and adaptation to climate change of coastal rice farmers in Bangladesh*. In: Alam GMM et al. (eds). Climate vulnerability and resilience in the Global South. Pp 187-197. Switzerland: Springer, Cham.

11. Mamun AA, Islam ARMT, Alam GMM, Sarket MNI, Erdiaw-Kwasie MO, **Bhandari H**, Mallick J. 2022. Livelihood vulnerability of charland communities to climate change and natural hazards in Bangladesh: An application of livelihood vulnerability index. Research Square, 2022. DOI: 10.21203/rs.3.rs-1238670/v1.
12. Pandey S, Yadav S, Hellin J, Balie J, **Bhandari H**, Kumar A, Mondal MK. 2020. *Why technologies often fail to scale: Policy and market failures behind limited scaling of alternate wetting and drying in rice in Bangladesh*. Water, 12, 1510.
13. Yadav S, Mondal MK, Shew A, Jagadish SVK, Khan ZH, Sutradhar A, **Bhandari H**, Humphreys E, Bhattacharya J, Parvin R, Rahman M, Chandna P. 2020. *Community water management to intensify agri productivity in the polders of the coastal zone of Bangladesh*. Paddy and Water Env, 18:331-343.
14. Bhattacharya J, Saha N, Mondal MK, **Bhandari H**, Humphrey E. 2019. *The feasibility of aus-aman-rabi cropping systems in the polders of the coastal zone of Bangladesh*. Field Crops Research, 234:33-46.
15. **Bhandari H**, Mishra AK. 2018. *Impact of demographic transformation on future rice farming in Asia*. Outlook on Agriculture, 47(2):125-132.
16. Tripathi BP, **Bhandari H**, Ladha JK. 2019. Rice strategy for Nepal. Acta Scientific Agri, 3(2):171-180.
17. Ahmed MT, **Bhandari H**, Gordoncillo PU, Quicoy CB, Carnaje GP. 2018. *Factors affecting extent of rural livelihood diversification in selected areas of Bangladesh*. SAARC Journal of Agri, 16(1):7-21.
18. Rahman MS, Mandal MAS, Kajisa K, **Bhandari H**. 2017. *Farm Size and Productivity in Rice Farming: recent empirical evidence from Bangladesh*. Bangladesh Journal of Political Economy, 31(5):51-70.
19. Gurung K, **Bhandari H**, Paris T. 2016. *Transformation from rice farming to commercial aquaculture in Bangladesh: Implications on gender, food security, and livelihood*. Gender, Tech & Dev 20(1): 49-80.
20. Rahman MS, Mandal MAS, Kajisa K, **Bhandari H**. 2016. *Determinants of rice production efficiency in Bangladesh*. Bangladesh J. of Political Econ, 31(3):151-170.
21. Ahmed MT, **Bhandari H**, Gordoncillo PU, Quicoy CB, Carnaje GP. 2015. *Diversification of rural livelihoods in Bangladesh*. Journal of Agricultural Economics and Rural Development 2(2): 32-38.
22. Fox P, **Bhandari H**, Mondal M. 2015. *Challenges and potential of increasing agricultural productivity in the Asian mega-deltas: Bangladesh an example*. Rising Asia, April-June (1): 56-59.
23. Rahman MS, Mandal MAS, **Bhandari H**. 2015. *Determinants of technical inefficiency of rice production in groundwater irrigation markets in Bangladesh*. Bangladesh J. of Political Econ, 31(2):403-420.
24. Khanam, TS, **Bhandari H**, Mohanty S. 2014. *Rice price inflation and its impacts on poverty and livelihoods: Insights from Bangladesh*. Journal of Food, Agriculture & Environment, 13(2):107-117.
25. Balagtas JV, **Bhandari H**, Cabrera E, Mohanty S, Hossain M. 2014. *Did the commodity price spike increase rural poverty? Evidence from a long-run panel in Bangladesh*. Agricultural Economics, 45(3):303-312. Received award for the best paper published in Agricultural Economics in 2014.
26. Pandey S, Rosegrant MW, Sulser T, **Bhandari H**. 2011. *Rice price crisis: causes, impacts, and solutions*. Journal of Agriculture and Development, 7(2):1-15.
27. **Bhandari H**, Yasunobu K. 2009. *What is social capital? A comprehensive review of the concept*. Asian Journal of Social Sciences, 37(3):480-510.
28. Pandey S, **Bhandari H**, Ding SJ, Prapertchob P, Sharan R, Naik D, Taunk SK, Sastri ASRAS. 2007. *Coping with drought in rice farming in Asia: insights from a cross-country comparative study*. Agricultural Economics, 37(S1): 213-224.
29. **Bhandari H**, Pandey, S. 2006. *Economics of ground water irrigation in Nepal: Some farm-level evidences*. Journal of Agricultural and Applied Economics, 38 (1): 185-199.
30. Dhakal DD, Gotame TP, Bhattarai S, **Bhandari H**. 2002. *Assessment of lime and lemon production in Nepal*. Journal of Institute of Agriculture and Animal Science, 23: 48-58.
31. **Bhandari H**. 2001. *Impact of shallow tubewell irrigation on crop production in the Terai region of Nepal*. The Philippines Agricultural Scientist, 84 (1): 102-113.

Book chapters

1. **Bhandari H**, Nafees M. 2020. *Strengthen the multi-dimensionality of family farming to promote social innovations contributing to territorial development and food systems that safeguard biodiversity*,

- environment and culture* (Pillar 7). In: Shrestha RB, et al. (eds). "UN decade of family farming 2019-2028: Regional action plan to implement the UNDRR for achieving the SDGs in South Asia. Dhaka (Bangladesh): SAARC Agriculture Center. Chapter 8.
2. Pandey PR, Pandey H, **Bhandari H**. 2019. *Sharing crop varieties to enhance food security: Assessment of the "seeds without borders" initiative in the SAARC member states*. In: Pandey PR, Bhandari H, Bokhtiar SM. (eds). "Seeds without borders initiative in South Asia: Current status and future directions. Pp 1-18.
 3. Salam MU, Mahalder BK, **Bhandari H**, Kabir MS, Sarkar ARS, Nessa B, Ali MA. 2019. *Policy directions towards increasing rice productivity—lessons from Bangladesh*. In: Hasanuzzaman M, Fujita M, Nahar K, Biswas JK (eds). *Advances in rice research for abiotic stress tolerance*. Pp 895-913.
 4. **Bhandari H**, Kumar P, Samal P. 2017. *Structural transformation of the Indian rice sector*. In: Mohanthy S, Chengappa PG, Mruthyunjaya H, Ladha JK, Baruah S, Kannan E, Manjunatha AV, editors. *The future rice strategy for India*. Pp 107-135.
 5. **Bhandari H**, Janaiah A, Mohanty S. 2016. *Rice sector in India: performance, policies, and challenges*. Chapter 7. In: Ramasamy C, Ashok KR, editors. *Vicissitudes of agriculture in the fast growing Indian economy: Challenges, strategies, and the way forward*. New Delhi (India): Academic Foundation.
 6. **Bhandari H**, Mohanty S. 2014. *Reducing the environmental footprint of rice production*. A policy note. IN Dawe D, Jaffee S, Santos N., editors. *Rice in the shadow of skyscrapers: policy choices in a dynamic East and Southeast Asian setting*. The World Bank-FAO-IRRI joint publication. Pp 47-53.
 7. Pandey S, Paris T, **Bhandari H**. 2010. *Household income dynamics and changes in gender roles in rice farming*. In: Pandey et al., editors. *Rice in the global economy: strategic research and policy issues for food security*. Los Banos (Philippines): IRRI. Pp 93-112.
 8. Pandey S, **Bhandari H**. 2010. *Rice production in Cambodia. Will exports continue to grow?* In: Dawe, D, editor. *The rice crisis: markets, policies, and food security*. Oxford (UK): EarthScan. Pp 233-252.
 9. Pandey S, **Bhandari H**. 2008. *Drought: economic costs and research implications*. In: Serraj J, Bennett J, Hardy B, editors. *Drought frontiers in rice: crop improvement for increased rainfed production*. Singapore: Los Banos (Philippines): IRRI. Pp 3-18.
 10. **Bhandari H**, Pandey S, Sharan R, Naik D, Hirway I, Taunk SK, Sastri ASRAS. 2007. *Economic costs of drought and rice farmers' drought-coping mechanisms in eastern India*. In: Pandey S, Bhandari H, Hardy B, editors. *Economic costs of drought and rice farmers' coping mechanisms: a cross-country comparative analysis from Asia*. Pp 43-112.
 11. Prapertchob P, **Bhandari H**, Pandey S. 2007. *Economic costs of drought and farmers' drought-coping mechanism in northeast Thailand*. In: Pandey S, Bhandari H, Hardy B, eds. Pp 113-148.
 12. Ding S, Chen C, **Bhandari H**, Pandey S. 2007. *Economic costs of drought and rice farmers' drought-coping mechanisms in southern China*. In: Pandey S, Bhandari H, Hardy B, editors. Pp 149-184.
 13. Pandey S, **Bhandari H**. 2007. *Drought risk and coping mechanisms in Asia—summary and recommendations*. In: Pandey S, Bhandari H, Hardy B, editors. Pp 185-203.
 14. **Bhandari H**, Shivakoti GP. 2005. *Groundwater markets and irrigation potential in south Asia: a micro study from Nepal*. In: Shivakoti GP, Vermillion DL, Lam WF, Ostrom E, Pradhan U, Yoder R, editors. *Asian Irrigation in Transition*. Pp. 127-153. New Delhi (India): Sage publications.

Conference proceedings

1. Bairagi S, **Bhandari H**, Das SK, Mohanty S. 2018. *Impact of submergence-tolerant rice varieties on smallholder farmers' income and expenditure: farm-level evidence from Bangladesh*. A paper presented at the Agricultural & Applied Economics Association Annual Meeting, Washington, D.C., 5-7 Aug 2018.
2. Hasan MR, Paudel KP, Bampasidou M, **Bhandari H**, 2018. *Rice production self sufficiency in Bangladesh: role of technology, plot, and farmer*. 2018 Annual Meeting, February 2-6, 2018, Jacksonville, Florida 266641, Southern Agricultural Economics Association.
3. Sarkar, MAR, Haque ME, Siddique MAB, **Bhandari H**. 2017. *Priorities in rice breeding in Bangladesh: A market demand approach to develop an ideal product profile*. Pp 25-28. In: Sayyed I, editor. *Transforming rice breeding: cutting edge breeding approaches*. A Conference Proceedings. Dhaka, Bangladesh: IRRI.

4. Rahman MS, Mandal MAS, **Bhandari H**. 2015. *Determinants of contract choice in groundwater irrigation markets in Bangladesh*. Pp 197-216. In Humphreys et al., (editors). Revitalizing the Ganges coastal zone: Turning science into policy and practices. Conference Proceedings. Colombo, Sri Lanka: CGIAR Challenge Program on Water and Food.
5. Islam R, **Bhandari H**, Russell T. 2014. *Value chain analysis of premium quality rice in Bangladesh*. In Proceedings of the 8th ASAE International Conference, 14-17 October 2014, Dhaka, Bangladesh.
6. Sarkar AR, **Bhandari H**. 2014. *Productivity, yield gap & resource use efficiency in hybrid rice production in Bangladesh*. In Proceedings of the 8th ASAE Int'l Conf., 14-17 October 2014, Dhaka, Bangladesh.
7. Rahman MS, Mandal MAS, Kajisa K, **Bhandari H**. 2014. *Structural changes of irrigation in Bangladesh: a synthesis of FGDs from 96 villages*. In Proceedings of the 8th ASAE International Conference, 14-17 October 2014, Dhaka, Bangladesh.
8. **Bhandari H**, Mohanty S, Hossain M. 2011. *Hybrid rice in Bangladesh: current status and future prospects*. In Proceedings of the 7th ASAE Int'l Conference, 13-15 Oct 2011, Hanoi, Vietnam.
9. **Bhandari H**, Chowdhury A, Mohanty S. 2011. *Dynamics of rural transformation in two villages in Bangladesh 1988-2010*. In Proceedings of the 7th ASAE Int'l Conf., 13-15 Oct 2011, Hanoi, Vietnam.
10. Pandey S, **Bhandari H**. 2010. *Economics of hybrid rice in tropical Asia: major issues and opportunities*. Proceedings of the 5th Hybrid Rice Symposium, Changsha, China, 12-14 September 2008. Los Banos (Philippines): IRRI and Beijing (China): CNHRRDC and CNRRI.
11. Gurung H, **Bhandari H**, Velasco L, Keonakhone T, Pandey S, Velarde O, Samson B. 2008. *Poverty, water and livelihoods: a case of two upper-catchments villages in the northern Lao PDR*. Proceedings of the 2nd International Forum on Water and Food Vo. I, November 10-14, 2008. Addis Ababa, Ethiopia. CGIAR Challenge Program on Water and Food.
12. Pandey S, **Bhandari H**, Gurung H. 2008. *Upland-lowland linkages, poverty reduction and sustainability: perspectives from Southeast Asia*. Book of abstracts of int'l symposium on Interdependencies between Upland and Lowland Agriculture. 1-4 April 2008. Stuttgart (Germany): Univ. of Hohenheim. Pp 1-2.
13. **Bhandari H**, Pandey S. 2001. *Groundwater markets, rice productivity, and poverty alleviation: empirical evidence from Terai of Nepal*. In: Peng S, Hardy B, editors. Rice research for food security and poverty alleviation. Proceedings of the IRRC, 31 March-3 April 2000. Los Banos (Philippines): IRRI, pp. 657-666.

Working papers

1. Timsina J, Bhandari H, Tharayil Shereef, TS. 2021. COVID-19 and the agri-food systems in Bangladesh: A review of impacts, adaptations and policy response. A technical report. Dhaka (Bangladesh): IRRI.
2. **Bhandari H**. 2018. Bangladesh-IRRI Collaborative 5-Year Work plan 2018. IRRI, Bangladesh (unpub.).
3. **Bhandari H**, Meah N. 2017. IRRI country strategy-Bangladesh. IRRI, Bangladesh (unpublished).
4. Fox P, **Bhandari H**. 2015. Rice development strategy for Bangladesh. IRRI, Bangladesh (unpublished).
5. Ladha JK, **Bhandari H**, Tripathi BP. 2015. Rice development strategy for Nepal. IRRI (unpublished).
6. Pandey S, **Bhandari H**. 2009. *Drought, coping mechanisms and poverty: insights from rainfed rice farming in Asia*. IFAD Occasional Paper No. 7. Rome (Italy): IFAD.
7. **Bhandari H**, Yasunobu K. 2009. *Human values, social capital, and sustainable development: a cross-country analysis from Asia*. JIRCAS Working Report No. 62. Tsukuba (Japan): JIRCAS.
8. Ding S, Pandey S, Chen C, **Bhandari H**. 2004. *Drought and farmers' coping strategies in poverty-afflicted rural China*. A discussion paper. Institute for Dev. Policy and Management, Manchester, UK. 19 p.

Policy briefs, posters, research papers, and others

1. **Bhandari H**, Chakravorty U, Emerick K, Habib MA. 2022. *Reducing electricity use in irrigation: Results from a randomized control trial in Bangladesh*. Applied Research Program on Energy and Economic Growth (EEG) Policy Brief. London (UK): Oxford Policy Management and the UKAid.
2. Co-authored. 2021. *The 2nd rapid assessment of COVID-19 impacts on Bangladesh's agri-food system*. Dhaka (Bangladesh): FAO, CGIAR, and IFAD.
3. Co-authored. 2021. *The impact of COVID-19 on the rice value chain in Bangladesh*. The FAO Value Chain

- Report No. 4. Dhaka (Bangladesh): FAO and IRRI.
4. **Bhandari H**, Balie J, Pede V, Meah N. 2020. *Impact of COVID-19 on the rice value chain in Asia*. Policy Brief. May 2020. Los Banos (Philippines): IRRI.
 5. **Bhandari H**, Yadav S, Mondal M. 2017. *Rice self-sufficiency in Bangladesh. What it means in a scenario of climate change*. Polder Tidings, 2(2):4-5.
 6. Alam MM, Ahmed S, **Bhandari H**. 2017. *Dry direct-seeded rice increased profitability in Bangladesh*. CSISA Quarterly Newsletter, October 2017.
 7. Ghimire DJ, Axinn WG, Bhandari PB, Bhandari H, Thornton R, Inter-university Consortium for Political and Social Research (ICPSR). 2017. *Chitwan Valley Family Study: Labour Outmigration, Agricultural Productivity and Food Security, Nepal, 2015-2017*. An open access database: Ann Arbor, Michigan: ICPSR.
 8. **Bhandari H**. 2016. *Healthy rice seedlings for improved livelihoods*. CSISA Quarterly Newsletter, December 2016. Available at <http://csisa.org/healthy-rice-seedlings-for-improved-livelihoods/>.
 9. Bhandari H, Minj A, Begum T, Sarker P. 2016. *Empowering women farmers in the polder communities of Bangladesh*. Rice today, November 2016.
 10. **Bhandari H**, Mohnaty S, Chowdhury A. 2015. *Constraints of smallholder farmers in Bangladesh. A qualitative assessment. A poser paper*. The VDSA Project 6th ARM, 2–3 April 2015, ICRISAT, India.
 11. **Bhandari H**, Sarkar AR, Mohnaty S, Chowdhury A. 2015. *Agricultural transformation in Bangladesh. A poser paper*. The VDSA Project 6th Annual Review Meeting, 2–3 April 2015, ICRISAT, India.
 12. **Bhandari H**, Sarkar AR, Mohnaty S, Chowdhury A. 2015. *Agricultural labor dynamics in Bangladesh. A poser paper*. The VDSA Project 6th Annual Review Meeting, 2–3 April 2015, ICRISAT, India.
 13. **Bhandari H**, Sarkar AR, Mohnaty S, Chowdhury A. 2015. *Rural livelihood transformation in Bangladesh. A poser paper*. The VDSA Project 6th Annual Rev. Meeting, 2–3 April 2015, ICRISAT, Hyderabad, India.
 14. Mohanty S, **Bhandari H**, Mohapatra B, Baruah S. 2015. *The ongoing transformation of rice farming in Asia*. Rice Today 14(4), Oct-Dec 2015.
 15. Gurung K, **Bhandari H**. 2014. *Does diversification of rice-based systems always lead to gender equity? A case study from Bangladesh*. Research article. The UNESCAP-CAPSA Newsletter. Palawija 31 (3):1-5.
 16. Rahman S, Mandal MAS, **Bhandari H**, Pede V. 2014. *Determinants of contract choice in groundwater irrigation markets in Bangladesh*. Poster no. 62. The Workshop on "Revitalising the Ganges Coastal Zone" held in Dhaka, Bangladesh, organized by CPWF & WLE from 21-23 Oct 2014.
 17. Sarkar MAR, **Bhandari H**. 2014. *Yield gap and resource use efficiency in hybrid rice production in Bangladesh. A poster paper*. The 4th International Rice Congress, 27-31 Oct 2014, Bangkok, Thailand.
 18. Mohanty S, **Bhandari H**. 2014. *Women rising: Asian rice farming at a crossroads*. RT, 13(4), 2014.
 19. Gurung K, **Bhandari H**, Paris T, Mohanty S. 2014. *Effects of changing rice-based agricultural systems on gender and food security in Bangladesh*. CSISA-BD Brief No. 1. Dhaka (Bangladesh): IRRI.
 20. Gurung K, **Bhandari H**, Paris T, Mohanty S. 2013. *Gender dynamics in changing rice-based agricultural systems in Bangladesh*. Policy Briefs No. 2013-1. Los Banos, Philippines: IRRI.
 21. **Bhandari H**, Mohanty S, Cabrera E. 2012. *Tracking rural poverty in BGD*. A poster. Philippines: IRRI.
 22. Pandey S, Rosegrant MW, Sulser T, **Bhandari H**. 2009. *Investing in the future. How will future investment in agriculture affect rice prices?* Rice Today, January-March: P 41.
 23. Pandey S, **Bhandari H**. 2006. *Drought perpetuates poverty*. Rice Today, April-June: P 37.

Other publications

1. Village Dynamics in South Asia (VDSA). A project completion report. Los Banos (Philippines): IRRI.
2. Pandey S, Bhandari H. 2010. *Rice landscape management for raising water productivity, conserving resources, and improving livelihoods in the upper catchments of the Mekong and Red River Basins*. CPWF Project Final Report. Los Banos (Philippines): IRRI. 131 p.
3. Pandey S, Bhandari H, Naik D, Ding S, Prapertchob P, Sharan R, Taunk SK, Sastri ASRAS. 2006. *Coping with drought in rice farming in Asia: insights from Asia*. Poster paper. Los Banos (Phil.): IRRI.
4. Pandey S, Bhandari H, Sharan R, Naik D, Taunk SK, Sastri ASRAS. 2005. *Economic costs of drought and farmers' risk coping mechanisms in eastern India*. A final research report submitted to the Rockefeller

- Foundation (unpublished). April 2005. 120 p.
5. Prapertchob P, Bhandari H, Pandey S. 2005. *Economic costs of drought and farmers' risk coping mechanism in northeast Thailand*. The project completion report. April 2005. 97 p.
 6. Ding S, Pandey S, Chen C, Bhandari H. 2005. *Rice farmers' coping mechanisms to drought in southern China*. A research report submitted to Rockefeller Foundation (unpublished). May 2005. 144 p.
 7. Dhakal DD, Bhattarai S, Bhandari H, Bastakoti RC. 2003. *Marketing systems of lime and lemon in Nepal*. A final report submitted to the Hill Agriculture Research Project (HARP). Rampur (Nepal): IAAS/TU.
 8. Bhandari H, Gautam D. 2002. *Participatory Rural Appraisal on post-harvest and marketing practices of major horticultural crops in Nepal*. A research report submitted to HARP. Rampur (Nepal): IAAS/TU.
 9. Bhandari H. 2000. *The economics of groundwater irrigation in rice-based systems in Terai of Nepal*. Unpublished PhD thesis. University of the Philippines (UPLB), Los Banos, Philippines.

Key presentations

1. *COVID-19 impacts and adaptations in rice and fish value chains in Bangladesh*. A webinar presentation organized by the CGIAR Research Program on Policies, Institutions, and Markets (PIM), IFPRI, Washington, D.C., USA, 29 Nov 2021.
2. *Rice economy in Asia: Technological and economic challenges and opportunities for the future*. A webinar presentation organized by the Department of Agricultural Economics, Bangladesh Agricultural University, Mymensingh, Bangladesh, 29 Sep 2021.
3. *Strengthening the multi-dimensionality of family farming to promote social innovations contributing to territorial development and food systems that safeguard biodiversity, environment, and culture in South Asia*. SAARC Agricultural Center Regional Consultation Meeting on the UN Decade of Family Farming, Dhaka, Bangladesh, 5-6 Nov 2020.
4. *IRRI's climate change research programs in Bangladesh*. The Gobeshona6 International Conference, Dhaka, Bangladesh. Jan 2020.
5. *Global rice production, consumption, trade: past trends and future directions*. The Gimje Jipyongseon Rice International Forum, Gimje City, Korea, 30 Sep–2 Oct, 2019.
6. *IRRI and Bangladesh partnership: improving livelihoods through rice research and development*. The 6th CGIAR Advisory Committee Meeting, Dhaka, Bangladesh, 23 May 2018.
7. *Turning rainfed environments into productive rice bowls: unlocking the potential*. The Centenary Conference of the Indian Economic Association. Andhra Pradesh, India, 27-30 Dec 2017.
8. *Rice economy of Bangladesh: performance and future directions*. The Centenary Conference of the Indian Economic Association. Andhra Pradesh, India, 27-30 Dec 2017.
9. *Structural transformation in Bangladesh rice sector: implications on policy and market*. A keynote paper. The Policy Dialogue Meeting on Climate Smart Agriculture in Bangladesh, 20 Nov 2016, Asian Development Bank, Dhaka, Bangladesh.
10. *Transformational change in Bangladesh rice economy*. A keynote paper. The 5th National Convention and International Agricultural Conference, 29-30 Sep 2016, KIB, Dhaka, Bangladesh.
11. *Farm level structural transformation in Asian agriculture*. A keynote paper. IRRI-GRiSP Science Week, 26-30 January 2015, IRRI, Los Baños, Philippines.
12. *Rural labor outmigration and agricultural productivity in Nepal*. Workshop on “integrating social and agricultural sciences in Nepal,” 30 Nov 2014, Kathmandu, Nepal.
13. *Structural transformation in Asian rice economies: implications for rice research and development*. The 4th International Rice Congress, 27-31 Oct 2014, Bangkok, Thailand.

PROJECT PROPOSALS AND CONCEPT NOTES

Led or contributed to write the following concept notes and project proposals.

1. *Adaptation assessment for spatial planning of investments in rice-based agri-food systems in Asia*. A US\$

- 225K proposal submitted to the Asian Development Bank, Dec 2021.
2. *Incentivizing farmers to adopt climate smart agriculture for enhancing resilience and reducing GHG emissions*. A US\$ 300K proposal submitted to Foundation for Food & Agriculture Research, Nov 2021.
 3. *Situation analysis in climate-gender inequity hotspot regions in Bangladesh*. A US\$100K proposal submitted to the CGIAR Gender Platform, Sep 2021.
 4. *Sustainable intensification of the mixed farming system in the world (2022-2025)*. A US\$ 40.0 million project funded by the CGIAR.
 5. *Building resilience to climate change in the Asian Mega Deltas (2022-2025)*. A US\$ 25.0 million project funded by the CGIAR COVID-19 Hub.
 6. *Adaptations to COVID-19 effects in rice, fish, and potato value chains in Bangladesh (2021)*. A US\$ 60K budget project funded by IFPRI.
 7. *Public private partnership in rice breeding platform in Bangladesh (2020-2025)*. A US\$ 8.3 million project funded by USAID and implemented by IRRI.
 8. *Development of the sort-duration cold-tolerant rice varieties in the Haor region of Bangladesh (2020-2025)*. A US\$ 1.3 million project funded by the Krishi Gobeshona Foundation and implemented by IRRI.
 9. *Impact of submergence tolerant rice varieties in South Asia (2020-2023)*. A US\$ 500K project funded by SPIA and implemented by IRRI and Arizona State University.
 10. *Impact of AWD technology in Bangladesh (2017-2019)*. A US\$ 500K project funded by 3ie and implemented by IRRI and Tufts University.
 11. *Rice monitoring survey in South Asia (2014-2019)*. A US\$ 3.0 million project funded by BMGF.
 12. *Implementing a sustainable system on development data collection and analysis in Nepal*. A US\$ 1.0 million CN submitted to the World Bank in August 2018.
 13. *Climate change adaptation in the Charland of Bangladesh (2018-2021)*. A US\$250K project funded by the USAID PEER Program and implemented by IRRI.
 14. *Strengthening the decision making platform for establishing sustainable land use framework in coastal zone of Bangladesh using advanced GIS and ICT tools*. A US\$2.5 million CN submitted in Sep 2016.
 15. *Drivers of food choice in rural households of Bangladesh*. A US\$ 300K CN submitted Oct 2015.
 16. *Institutional and policy innovation in sustainable management and use of groundwater resources for agricultural development in South Asia*. A US\$ 5.0 million CN submitted in August 2015.
 17. *Unlocking the potential of the “polder communities” in coastal Bangladesh through improved resource use efficiency and diversified cropping system (2015-2018)*. A US\$2.5 million project proposal funded by USAID and implemented by IRRI and Kansas State University.
 18. *Appropriate scale mechanization consortium for agricultural development in Bangladesh*. A US\$2.5 million proposal submitted to USAID.
 19. *Adoption of submergence-tolerant rice varieties in eastern India and Bangladesh*. A US\$ 500K million CN submitted to the CGIAR Standing Panel on Impact Assessment in Jan 2015.
 20. *Impacts of submergence-tolerant (Sub1) rice varieties on nutrition and health in South Asia*. A US\$ 250K CN submitted to the CGIAR Standing Panel on Impact Assessment in Sep 2013.
 21. *Labor outmigration, agricultural productivity and food security in Nepal*. A US\$ 2.5 project proposal submitted to the Economic and Social Research Council, UK, Nov 2013.
 22. *Dynamics of rural household poverty and village economies in Bangladesh*. A US\$ 2.0 project proposal was submitted to DFID-ESRC, UK, September 2011.

LANGUAGE PROFICIENCY

- | | |
|---------------------------|--------------|
| 1. Nepali: | Advance |
| 2. English: | Advance |
| 3. Hindi (India): | Intermediate |
| 4. Bengali (Bangladesh): | Intermediate |
| 5. Tagalog (Philippines): | Basic |

6. Japanese (Japan): Basic

COMPUTER SOFTWARE KNOWLEDGE

- | | |
|---|--------------|
| 1. Microsoft office (<i>Word, Excel, PowerPoint, and Access</i>): | Advance |
| 2. Econometric software packages (<i>LIMDEP, SPSS, STATA</i>): | Advance |
| 3. Mathematical modeling software packages (<i>GAMS, LINDO, and SOLVER</i>): | Advance |
| 4. Other econometric software packages (<i>DEA, SAS and TSP</i>): | Intermediate |
| 5. Data collection and management software (<i>CSPro, ODK, and Surveybe</i>): | Advance |
| 6. Geographic Information System (<i>GIS</i>): | Basic |

ACADEMIC AWARDS AND SCHOLARSHIPS

1. Best article published in *Agricultural Economics Journal* in 2014, August 2015.
2. Japan Society for Promotion of Science (JSPS) research fellowship, Japan, 2005–2007.
3. University of Michigan scholarship to attend two months training on *Survey Research Techniques*, University of Michigan, USA, July–August 2002.
4. Mahendra Bidhya Bhusan, decorated by the then His Majesty King Gyanendra, 2001
5. Swedish International Development Cooperation Agency (SIDA) scholarship for one month training on *Environmental Valuation* at Goteborg University, Sweden, December 2000.
6. International student academic excellence award, UPLB, 2000.
7. Awarded life membership of *PHI KAPPA PHI* Intern'l Honour Society for Academic Excellence, 2000.
8. Awarded life membership of *PI GAMMA MU* International Honour Society of Social Sciences, 2000.
9. Awarded life membership of *GAMMA SIGMA DELTA* International Honour Society of Agriculture, 2000.
10. Excellence award on Econometrics, Summer Program in Economics, UPLB, 1995.
11. Winrock International scholarship for graduate studies at UPLB, Philippines, 1995.
12. Tribhuvan University merit scholarship for pursuing B.Sc. (Agriculture), 1990.

PROFESSIONAL AFFILIATION

1. Member: Editorial Board in the “Agricultural Systems” Journal
2. Member: Editorial Board in the “Outlook on Agriculture” Journal
3. Member: Editorial Board in the “Mountain Journal of Science and Interdisciplinary Research”
4. Member: Editorial Board in the “Pantnagar Journal of Research”
5. Member: Editorial Board in the “Benguet State University Research Journal”
6. Member: Editorial Board of the “South Asian Journal of Agriculture (SAJA).”
7. Member: Nepal Agricultural Economics Society (NAES).
8. Member: Nepal Agriculture Association (NAA).
9. Member: Philippine Agricultural Economics and Development Association (PAEDA).
10. Member: Japan Agricultural Economics Society (JAES)
11. Member: Asian Society of Agricultural Economists (ASAE)
12. Member: Bangladesh Agricultural Economist Association (BAEA)

TRAININGS ATTENDED

1. Fast track impact (get more impact). 8-9 June 2020, IRRI, Philippines.
2. Research proposal writing workshop. 10-11 September 2019, IRRI, Philippines.
3. Media and issues management workshop. 12 Sep 2018, BRRI, Bangladesh.
4. Rigorous impact evaluation in agri. using randomized control trial. 16-20 Jan 2017, IRRI, Philippines.
5. Productivity and efficiency analysis of agro-ecosystem data. 13-19 July 2016, IRRI, Philippines.

6. Participatory Impact Pathway Analysis. 9-10 September 2015, IRRI, Dhaka, Bangladesh.
7. Gender and Diversity Training. 16-17 September 2014, IRRI, Dhaka, Bangladesh.
8. Basic Project Management. 13-17 May 2012, ICDDR-B, Dhaka, Bangladesh
9. Food value chain analysis. 12-13 June 2011, IRRI, Khulna, Bangladesh.
10. CSPro database management software. 9-13 May 2011, ICRISAT, India.
11. Statistical/Econometric analysis using STATA. 5-9 May 2008, IRRI, Philippines.
12. Advance SPSS. 1-2 Dec. 2004, The Asia-Pacific Centre for Research Tech, Inc., Manila, Philippines.
13. Survey research methods and data analysis. 2 June to 28 July 2002, University of Michigan, USA.
14. Project management and reporting. 19-20 June 2001, HARP, Kathmandu, Nepal.
15. Environmental valuation techniques. 8 Nov–11 Dec 2000, Gothenburg University, Sweden.

PROFESSIONAL MEETINGS AND CONFERENCES ATTENDED

1. The Gobeshona6 International Conference. 21-24 Jan 2021, Dhaka, Bangladesh.
2. The Gobeshona6 International Conference. 20-24 Jan 2020, Dhaka, Bangladesh.
3. The Gobeshona5 International Conference. 8-11 Jan 2019, Dhaka, Bangladesh.
4. The 5th International Rice Congress. 15-17 Oct 2018, Singapore.
5. The 9th Asian Society of Agricultural Economist Int'l Conf., 11-13 January 2017, Bangkok, Thailand.
6. The 4th International Rice Congress, 27-31 October 2014, Bangkok, Thailand.
7. The 8th Int'l. Conf. of the Asian Society of Agricultural Economics, 15-17 Oct 2014, Dhaka, Bangladesh.
8. The 14th Annual Meeting of the Bangladesh Agri. Economist Association, 11 Mar 2012, Dhaka, Bangladesh.
9. The 7th Asian Society of Agricultural Economist Int'l Conf., 13-15 Oct 2011, Hanoi, Vietnam.
10. The 6th Asian Society of Agricultural Economist Int'l Conf., 28-30 August 2008, Manila, Philippines.
11. Organized an International Workshop on “Economic costs of drought and farmers’ coping mechanisms: a cross country comparative analysis”, 7-8 Dec 2004, IRRI, Los Baños, Philippines.
12. An International Workshop on “Asian Irrigation in Transition-Responding to the Challenges Ahead”, 22-23 April 2002, Asian Institute of Technology (AIT), Bangkok, Thailand.
13. Organized a National Workshop on “IAAS Curriculum Development: Meeting the Challenges for Agricultural Education in Nepal”, Feb. 15-16, 2002, Kathmandu, Nepal.

SUPERVISED RESEARCH OF GRADUATE STUDENTS

Thesis supervision of the following five Ph.D. students.

1. Samiul Islam. 2020 to present. Economic returns of IRRI's interment in rice research in Bangladesh. Universiti Putra Malaysia.
2. Hari K. Panta. 2016-2019. Policy reform and strategies for fertilizer supply chain management in Nepal. Tribhuvan University, Nepal.
3. Taznoor Samina Khanam. 2014-2018. Adoption and impact of stress tolerant rice varieties in Asia. The University of the Philippines, the Philippines.
4. Bidyuth K. Mahaldar. 2014-2018. Farmers’ knowledge management model for increasing rice production under changing climatic conditions in southwest Bangladesh, Khulna University, Khulna, Bangladesh.
5. Md. Saidur Rahaman. 2014-2018. Determinants of water price, contract mode, and production efficiency in groundwater irrigation in Bangladesh, Bangladesh Agri. Univ. (BAU), Mymensingh, Bangladesh.
6. Jeffrey D. Michler. 2012-2015. Agriculture, Food Security, and the Environment: Three Essays on Microeconomic Challenges in Rural Development. Purdue University, USA.

Thesis supervision of the following eleven M.Sc. students.

1. Zannathul Ferdousi. 2020. Farmers adaptation to climate change in Charland areas in northwest Bangladesh.

- Hajee Mohammad Danesh Science and Technology University, Dinajpur, Bangladesh.
2. Monoj Biswas. 2017-2018. Food security and nutrition condition in polders in Coastal Bangladesh. Khulna University, Khulna, Bangladesh.
 3. Priyanka Saha. 2017-2018. Trade-offs among different cropping systems in the polders of the Coastal Zone of Bangladesh. Khulna University, Khulna, Bangladesh.
 4. Puja Roy. 2017-2018. Market opportunities and trader or consumer decisions driving the adoption rate of HYV Rice in the coastal region of Bangladesh. Khulna University, Khulna, Bangladesh.
 5. Hadishur Rahaman. 2013-2014. Economic analysis of rice-based cropping patterns in coastal Bangladesh, BAU, Mymensingh, Bangladesh.
 6. Tanvir Ahmed. 2013-2015. Factors affecting rural livelihood diversification in rice-based areas of Bangladesh, The University of the Philippines at Los Baños (UPLB), The Philippines, 2015.
 7. Krishna Aryal 2001. Marketing of mandarin orange in the western hills of Nepal. IAAS/TU, Nepal.
 8. Ram B. Bhujel. 2001. Economics of wheat production: a case of Sunsari District. IAAS/TU, Nepal.
 9. Rajendra Pradhan. 2001. Effect of groundwater on rice and wheat production in Rupandehi District. IAAS/TU, Nepal.
 10. Yogendra K. Karki. 2002. Agricultural market and marketing information systems of vegetable marketing in Kathmandu valley. IAAS/TU, Chitwan, Nepal.

REVIEWED ARTICLES FROM REFEREED JOURNAL

- Agricultural Economics; Agricultural Systems; Agriculture and Human Values; Asian Journal of Agriculture and Development; Food Security; Gender, Technology, and Development; Global Food Security; Journal of Agricultural and Applied Economics; Journal of Agriculture and Animal Science; Journal of Social Science; Outlook on Agriculture; Singapore Journal of Tropical Geography; and World Development.
- Review editor, Frontiers in Sustainable Food Systems-Land, Livelihoods, and Food Security.