

CURRICULUM VITAE

Md. Akhtaruzzaman Khan (PhD)

Professor, Department of Agricultural Finance
Bangladesh Agricultural University, Mymensingh-2202

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Date of Birth: 20.08.1977



RESEARCH INTEREST

- Food security and poverty alleviation through sustainable agriculture management
- Risk management in Agriculture
- Resource and Environmental Economics
- Micro finance and poverty alleviation
- Fisheries & Livestock economics and management

EDUCATIONAL QUALIFICATION

- PhD in Economics, 2012, Norwegian University of Life Sciences, Norway
- M.S. in Agricultural Economics (Finance), 2003, Bangladesh Agricultural University, Mymensingh, Bangladesh
- B. Sc. in Agricultural Economics (Hons), 1999, Bangladesh Agricultural University, Mymensingh, Bangladesh.

EMPLOYMENT STATUS

- **Oct. 2015 to date** Professor, Department of Agricultural Finance, Bangladesh Agricultural University Mymensingh, Bangladesh.
Job responsibilities: Teaching (60%), Research (40%).
Teaching: the offering courses are ‘Risk Management in Agriculture, Resource and Environmental Economics and Micro-finance Management at post-graduate level. Land Resource Economics, Public Finance and Financial Management at undergraduate level.
- **Oct. 2011 to Oct. 2015** Associate Professor, Department of Agricultural Finance, Bangladesh Agricultural University Mymensingh, Bangladesh.
- **Jun. 2005 to Oct. 2011** Assistant Professor, Department of Agricultural Finance, Bangladesh Agricultural University, Mymensingh, Bangladesh
- **Oct. 2002 to Jun 2005** Lecturer, Department of Agricultural Finance, Bangladesh Agricultural University, Mymensingh, Bangladesh

ACADEMIC AWARDS

1. Best paper award, 2016 from International Institute of Fisheries Economics and Management (IIFET) on Economics of Sustainable Aquaculture Development, Aberdeen, Scotland.
2. Research Grant, Inequality and Social Justice, Perspectives from the Global South, Eighth South-South Institute, 2015, Durban, South Africa.
3. Best paper award, 2014 from International Institute of Fisheries Economics and Management (IIFET) on Rational Fishing, Brisbane, Australia.
4. Research award for PhD thesis, 2013 from International Association of Aquaculture Economics and Management (IAAEM), Washington, USA.
5. Research Scholar at University of Rhode Island (URI), USA, August 2009 to July 2010.
6. PhD scholarship by Norwegian government “Quota Scholarship” from January 2008 to December 2012.
7. “Professor Lutfur Rahman Memorial Trust” award for undergraduate result, 2000 by the Faculty of Agricultural Economics and Rural Sociology, Bangladesh Agricultural University, Bangladesh.
8. “Bakergonj Upazila Student Welfare Association” award for academic result in Secondary School Certificate examination.

PUBLISHED ARTICLES

1. Md. Al Amin Sarker, Fatimah Mohamed Arshad, Md. Ferdous Alam, Zainal Abidin Mohamed & Md. Akhtaruzzaman Khan (2016) Feed technology and production performance of Thai koi (*Anabas testudineus*) in Bangladesh, *Journal of Applied Aquaculture*, 28:2, 76-91, DOI: 10.1080/10454438.2016.1169469
2. Md. Al Amin Sarker, Fatimah Mohamed Arshad, Md. Ferdous Alam, Zainal Abidin Mohamed & Md. Akhtaruzzaman Khan (2016) Stochastic modeling of production risk and technical efficiency of Thai koi (*Anabas testudineus*) farming in Northern Bangladesh, *Aquaculture Economics & Management*, 20:2, 165-184
3. Mohammad Aatur Rahman Mahbuba Siddiki, Md. Akhtaruzzaman Khan (2016) Impact of Credit on Tribal Livelihoods and Food Security in Bangladesh, *Journal of Emerging Issues in Economics, Finance and Banking (JEIEFB) An Online International Research Journal* (ISSN: 2306-367X) 2016 Vol: 1 Issue: 1
4. M.T. Uddin, M.A. Khan and M. M. Islam, (2015) Integrated farming and its impact on farmer's livelihood in Bangladesh, *SAARC Journal of Agriculture*, 13(2): 61-79.

5. M. Razib Hossain, A.K.M. Amin, D.C. Achargee,, M. S. Rahman, M. Ahmed and M. A. Khan (2015) Changes in Biodiversity and its Impact on Agro-ecosystem in Some Selected Areas of Mymensingh District, Bangladesh, *IOSR Journal of Agriculture and Veterinary Science*, Volume 8, Issue 12, Ver.II.
6. Kamrunnaher, Mitra S, Khan MA (2015) Effect Of Foreign Direct Investment on GDP, Export And Domestic Investment: Bangladesh Perspective, *Journal of Innovation and Development Strategy*, Volume-9, Issue-2.
7. M. T. Uddin, M.A. Khan and A. Jannat (2015) Productivity and Profitability of Integrated and Mixed Farming: A Comparative Socioeconomic Study in Bangladesh, *Bangladesh Journal of Crop Science Vol 25, No. 1 & 2*.
8. M. A. Rahman, F. Ahmed, M. S. Islam¹ and M. A. Khan (2015) Pond fish culture and needs for credit: A study in selected areas of Tangail district *Journal of Bangladesh Agricultural University*, Vol. 13 No.: 1.
9. Huda F A, and Khan M A (2014) Policy Instruments for Reducing Nitrogen Fertilizer Based Emission: Under Policy Conflict of Self Sufficiency of Food versus Sustainable Management of Agriculture. *Journal of Earth Science and Climate Change* 5: 207. doi:[10.4172/2157-7617.1000207](https://doi.org/10.4172/2157-7617.1000207)
10. Md. Al Amin Sarker, Fatimah Mohamed Arshad, Md, Ferdous Alam, Zainal Abidin Mohamed and Md. Akhtaruzzaman Khan (2014) Economics of Thai Koi (Climbing Perch, Anabas Testudineus) Farming in Pond in Bangladesh, *Trends in Agricultural Economics*, DOI 10.3923/tae.2014
11. Madan Mohan Dey, Praduman Kumar, Oai Li Chen, Md. Akhtaruzzaman Khan, Nagesh Kumar Barik Luping Li, Ayut Nissapa, and Ngoc Sao Pham,(2013) “Potential impact of genetically improved carp strains in Asia” *Food Policy* Vol. 43, 2013: 306-320.
12. Md. Akhtaruzzaman Khan, Md. Ferdous Alam and Khan Jahirul Islam (2012) “The impact of co-management on household income and expenditure: an empirical analysis of common property fishery resource management in Bangladesh” *Ocean & Coastal Management*, Vol. 65, 2012: 67-78
13. Md. Ferdous Alam, Md. Akhtaruzzaman khan and A.S.M. Anwarul Huq (2012) “Technical efficiency in tilapia farming of Bangladesh: a stochastic frontier production approach” *Aquaculture International*, Vol. 20, No. 4.
14. Md. Akhtaruzzaman Khan and Fakir Azmal Huda (2012) “Comparative Performance between Genetically Improved and Traditional Silver Barb Strain: A Bio-Economic Analysis” *Progressive Agriculture* Vol. 23, No. 1& 2.
15. Akhtaruzzaman Khan, Fakir Azmal Huda and Akhtarul Alam (2010) “Farm Household Technical Efficiency: A Study on Rice Producer in Selected Areas of Jamalpur District in Bangladesh” *European Journal of Social Sciences*, Vol.: 14, No. 2, 2010: 262-271.

16. Madan Mohan Dey; Praduman Kumar; Ferdinand J. Paraguas; Chen Oai Li; Md. Akhtaruzzaman Khan; Nartaya Srichantuk (2010) "Performance and Nature of Genetically Improved Carp Strains in Asian Countries" *Aquaculture Economics & Management*, 14:3–29, 2010.
17. Md. Akhtaruzzaman Khan, Khan Jahirul Islam and Md. Ferdous Alam,(2009) "Growth Performance and Factors Affecting Growth of Production", Area and Export in the Fisheries Sub-Sector of Bangladesh, *Metropolitan University Journal*, Vol.: 2, No. 1, 2009, Sylhet, Bangladesh
18. M.A. Khan, K,J. Islam, F.A. Huda and M.S. Rahman, " Management and Profitability of Fish Seed Production", *Bangladesh Journal of Extension Education*, Vol.: 20, No. 1&2, 2008: 99-107.
19. M.A. Islam, R.K. Talukder and M.A. Khan, "Technical Efficiency of the Hatchery Operators in Fish Seed Production Farms in Bangladesh", *Bangladesh Journal of Agricultural Economics*, Vol.: XXX, No.: 1 (2007), Page: 95-108
20. M. A. Khan, M. Khokan Bepari and M.A. Bashar " Effectiveness of BRAC and ASA Credit on Rural Livelihood Improvement – A Farm level Study", *Bangladesh Journal of Progressive Science and Technology*, Vol. 5, No. 2, 2007.
21. M. Khokan Bepari and M. A. Khan, "Performance Analysis of Savoy Ice-Cream Factory with Special Emphasis on Financial Performance", *Bangladesh Journal of Progressive Science and Technology*, Vol. 5, No. 2, 2007.
22. M.A. Awal, M.A. Hossain, S.R. Saha and M.A. Khan "An Economic Analysis of Sweet Potato Cultivation in Some Selected Char Areas of Bangladesh" *Journal of Bangladesh Agricultural University*, Vol. 2 No.: 2, 2006.
23. M. H. Rahman, M. A. Khan, M. H. Kabir and M. M. Rahman "Profitability and Resource Use Efficiency of BR-29 Boro Paddy Production in Jamalpur District", *Journal of Bangladesh Agricultural University*, Vol.:3, No.: 1, June 2005, Page: 189-195.
24. M. S. Alam, M. A. Khan and M. A. Bashar, "Profitability and Factors Affecting Production of Carp Polyculture in Jessore District." *Journal of Progressive Agriculture*. Vol.: 15, No.: 1, June 2004, Page: 1-8.
25. Hossain, M.I., M.N. Huda, M.E.A. Begum, M.A. Khan and M.G. Rabbani. 2004. "A Study on Price Spreads of Major Crops in Selected Markets of Bangladesh", *Journal of Applied Sciences*, 4 (4): 513-520.
26. M.A. Hossain, M. A. Khan and M.A. Bashar, "Availability, Utilization Repayment and Profitability of Potato production Credit in Munshigonj District". *Journal of Bangladesh Society for Agricultural Science and Technology*, Vol.: 1, No.: 1&2, December 2004, Page: 57-62.
27. M.A. Khan, F. Alam, "Technical Efficiency of the Hatchery Operators in Fish Seed Production Farms in Bangladesh", *Bangladesh Journal of Agricultural Economics*, Vol.: XXVI, No.: 1 & 2 (2003), Page: 55-70.

28. P. Akther, M.A. Khan and M.A. Mannan, “Adequacy, Utilization Repayment and Profitability of Pond Fish Credit in Mymensingh District. *Bangladesh Journal of Training and Development*, Vol.: 16, No.: 1 & 2.

PAPERS IN PROGRESS

1. The Impact of Community-Based Aquaculture on Poverty and Inequality: Evidence from Seasonal Floodplain Areas of Bangladesh (Submitted to “Journal of Environment and Development Economics”).
2. Impact of Climate Change on Agriculture GDP: Bangladesh Perspectives.
3. Production Risk of Pangas (*Pangasius hypophthalmus*) Fish Farming in Bangladesh
4. Profit Efficiency, Farm Size and Sustainability: An Empirical Analysis of Fish Farming Converted from Rice Fields in Bangladesh.
5. Capacity and Factors Affecting Capacity Utilization of Marine Fisheries: A Case of Gill-net Fleet in the Bay of Bengal.
6. An Overview of Fisheries Sector in Bangladesh: Past Trends, Present Status and Future Prospects.

EXPERIENCE IN RESEARCH PROJECT

1. Carbon and Ecological Footprint of Intensive Aquaculture System in Bangladesh, Principal Investigator, Funded by NST (Ministry of Science and Technology), Bangladesh, from July 2015 to June 2016.
2. Promoting Socially Inclusive and Sustainable Agricultural Intensification in West Bengal and Bangladesh, Principal Investigator, Funded by Australian Center for International Agricultural Research (ACIAR), from January 2016 to December 2019.
3. “Poverty Squares and Gender Circles: Unraveling Agriculture Gaps, Challenges and Opportunities in the Eastern Gangetic Plains, Co-investigator, Funded by UDAID, from September 2015 to August 2016.
4. Upgrading Pangas and Tilapia Value Chains in Bangladesh, Component Leader (Production and Environment) Funded by DANIDA, from March 2015 to February 2019.
5. Effects of Climate Change on income diversity, poverty and vulnerability: Evidence from southern part of Bangladesh, Principal Investigator, Funded by Bangladesh Agricultural Research System (BAURES), July 2014 to June 2015.
6. Integrated Farming and its Impact on Farmers’ Livelihood in Bangladesh, Co-investigator, funded by World Bank through BARC, December 2012 to November 2013.

7. Farm Household Technical Efficiency – A Study on Rice Producer in Some Selected Areas in Bangladesh, Principal Investigator, Bangladesh Agricultural Research System (BAURES), July 2006 to June 2007.
8. Spices Crops Production and Marketing in Bangladesh, Research team member, funded by World Bank (WB) through BARC, July 2006 to June 2007.
9. Achieving Greater Food Security and Eliminating Poverty by Dissemination of Genetically Improved Silver barb (*Barbodes gonionotus*) to Fish Farmers, Co-investigator, funded by ADB and WorldFish Center, April 2004 to March 2007

EXPERIENCE AS CONSULTANT

1. Worked as consultant in WorldFish, Bangladesh- CSISA-BD Project, Jul-Sep /2015
2. Worked as consultant in WorldFish, Bangladesh- CSISA-BD Project, Feb-Mar/2015
3. Worked as consultant in WorldFish, Bangladesh- MCDP Project, Mar – Jun / 2015
4. Worked as National Consultant (Analyst) in FAO, Bangladesh, January 2015
5. Worked as consultant in WorldFish, Bangladesh- SHOUHARDO Project, September 2014
6. Worked as consultant in WorldFish, Bangladesh- Nobo-Jibon Project, August 2014

REPORT WRITING

1. Aquaculture for improved income, food security and livelihood: Initiative and success, WorldFish, Bangladesh
2. Effects of climate change on income diversity, poverty and vulnerability: Evidence from southern part of Bangladesh
3. Household based aquaculture-horticulture for family consumption and income, WorldFish- Bangladesh
4. Aquaculture for family nutrition and income, WorldFish, Bangladesh
5. Small Scale Aquaculture Development for Sustainable Livelihood: Initiative and Success, WorldFish, Bangladesh
6. Efficiency, Risk and Management of Fisheries Sector in Bangladesh.
7. Integrated Farming and its Impact on Farmers' Livelihood in Bangladesh.
8. Achieving Greater Food Security and Eliminating Poverty by Dissemination of Genetically Improved Carp Strains to Fish Farmers.
9. Spices Crops Production and Marketing in Bangladesh

10. Farm Household Technical Efficiency – A Study on Rice Producer in Some Selected Areas in Bangladesh.
11. Economics of Fish Seed Hatchery Management in Bangladesh.

PUBLISHED BOOK

“Krishi Shikkha (Agricultural Science Book)” text book for class VIII level (2006), approved by National Education Board, Bangladesh, Hafizia Library, Dhaka, Bangladesh.

JOURNAL REVIEWER

1. Journal of Applied Aquaculture
2. Journal of Development and Agricultural Economics
3. World Journal of Agricultural Science
4. Aquaculture Economics and Management
5. Bangladesh Journal of Agricultural Economics
6. Pakistan Journal of Social Science
7. Progressive Agriculture
8. Journal of Bangladesh Agricultural University

MASTER STUDENT SUPERVISION

1. Supervisor: 10 students completed and 8 students on going.
2. Co-supervisor: 11 students completed and 4 students on going.

PhD STUDENT SUPERVISION: 2 students (on going)

MEMBERSHIP OF PROFESSIONAL SOCIETIES

1. Member, International Institute of Fisheries Economics and Trade (IIFET).
2. Member, European Productivity and Efficiency Association.
3. Member, Bangladesh Fisheries Research Council (BFRC)
4. Member, KRISHIBID (Agriculturists’) Institution, Bangladesh.
5. Member, Bangladesh Agricultural Economists’ Association, Bangladesh
6. Member, Bangladesh Economist Association, Bangladesh
7. Advisor, “Badhon” (A blood donated social organization), Bangladesh Agricultural University, Mymensingh.

OTHER PROFESSIONAL EXPERIENCE

- **Administrative experience** Academic Member from April 2015 to March 2017, Institute of Agribusiness and Development Studies, Bangladesh Agricultural University, Mymensingh-2202

Head, Department of Agricultural Finance, Bangladesh Agricultural University, Mymensingh, from 06.08.2013 to 05.08.2015

Worked as a “House tutor” (Administrator) in Isha Khan Hall, Bangladesh Agricultural University, Mymensingh, Bangladesh, from 01.01.2004 to 31.12.2006
- **International and national conference presentation** Total 15 papers presented at international and national level.

REFEREES

1. Atle Guttormsen, Professor, NMBU School of Economics and Business, Norwegian University of Life Sciences, P. Box. 5003, 1432, Ås, Norway, Telephone: + 47 6496 5691, E-mail: atle.guttormsen@nmbu.no
2. Madan Mohan Dey, Professor, Aquaculture Economics and Management, University of Arkansas at Pine Bluff, 1200 N. University Drive, USA. Telephone: (870) 575 8108, E-mail: mdey@uaex.edu
3. Md. Ferdous Alam, Professor, Department of Economics, American International University of Bangladesh, Dhaka, Bangladesh. Cell: +88 01720 34387, E-mail: dr.ferdous@gmail.com



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(Dr. Md. Akhtaruzzaman Khan)