

Curriculum Vitae of Dr. Muhammad Humayun Kabir

Professional Status: Dr. Muhammad Humayun Kabir

Professor

Department of Agricultural Extension & Information System

Faculty of Agriculture

Sher-e-Bangla Agricultural University

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Date of Birth: 15-01-1981

Educational Background:

Name of Degree	Name of University	Passing year
PhD in GIS	Universiti Sains Malaysia	2015
MS in Agricultural Extension and Information System	Sher-e-Bangla Agricultural University	2006
B.Sc. in Agriculture (Hons)	Sher-e-Bangla Agricultural University	2004

Duties and responsibilities:

My duties and responsibilities are to teach the undergraduate and postgraduate students, supervise postgraduate students' research work and conduct research individually. In the undergraduate level, I conduct classes entitled Application of GIS in agriculture; Technology diffusion and adoption, and Project planning, monitoring and evaluation. In the postgraduate level, I conduct two courses entitled Statistics for Socio-economic Research and Agricultural Knowledge and Information System. In addition, I supervise postgraduate student's research work covering issues like adoption of sustainable agricultural technology, adaptation to climate change etc.

Research Interest:

Adoption of environment friendly agriculture, Climate change adaptation, Food security, GIS, Impact analysis

Employment record

Name of position	Name of University	Responsibility	Duration
Part time teacher	Sher-e-Bangla Agricultural University	Teaching	25 th August, 2005 to 31 st May, 2006
Lecturer	Sher-e-Bangla Agricultural University	Teaching	1 st June, 2006 to 31 st May, 2008
Assistant Professor	Sher-e-Bangla Agricultural University	Teaching, Supervision student research work, conduct personal research	1 st June, 2008 to 31 st May, 2015
Associate Professor	Sher-e-Bangla Agricultural University	Teaching, Supervise student research work, conduct research personally	1 st June, 2015 to 31 st May, 2019
Professor	Sher-e-Bangla Agricultural University	Teaching, Supervise student research work, conduct research personally	1 st June, 2019 to till date

Project Experience

1. M. H. Kabir, 2009-2010. Farmers' Perception on the Harmful Effects of Agro-chemicals on Environment; Funded by Sher-e-Bangla Agricultural University Research System (SAURES).
2. M. H. Kabir, 2016-2017. Use of climate resilient technologies in vegetable farming: determinants and constraints. Funded by Sher-e-Bangla Agricultural University Research System (SAURES).
3. K. Z. Hossein and M. H. Kabir, 2017-2018. Analysis Gap between Farmers' Risk Perception and Use of Adaptation Strategies to Climate Change. Funded by University Grants Commission (UGC).
4. M. Z. Azad, W. A. Setu and M. H. Kabir, 2017 – 2018. Homeowners knowledge, attitude and practices of roof top gardening at Dhaka city: an approach to reduce environmental pollution. Funded by National Science and Technology (NST).
5. M. S. U. Mazumder; M. R. Islam, M. H. Kabir and M. N. Islam, 2018-2019. Does foundation training have an impact on teachers' class performance? Funded by National Academy for Educational Management (NAEM).

6. M. M. Abdullah and M. H. Kabir, 2018-2019. Determinants of Mobile use by the farmers in receiving agricultural information. Funded by Sher-e-Bangla Agricultural University Research System (SAURES).

7. M. H. Kabir, 2019-2020. Effectiveness of public and private agricultural extension services towards capacity building of the farmers in Bangladesh. Funded by Sher-e-Bangla Agricultural University Research System (SAURES).

Paper published in national and international journals:

1. M.H. Kabir, M.H. Bhuiyan, and M.R. Islam. 2007. Adoption of Selected T. Aman Production Technologies by the farmers. Journal of Sher-e-Bangla Agricultural University. Vol.2 (1):7-11.
2. M.H. Kabir, M.H. Bhuiyan, and M.R. Islam 2007. Extension Media Contact by the Farmers in Adopting Selected T. Aman Production Technologies. Journal of Agricultural Science and Technology. Vol.8 (2):85-89.
3. M.S.U. Mazumder and M.H. Kabir. 2008. Micro-credit and Poverty Reduction: A Case of a Village of Comilla. Journal of Agricultural Education and Technology. Vol.11 (1&2):115-120.
4. M.H. Kabir, M.M. Alam and R. Roy. 2010. Farmers' Perception on the Harmful Effects of Agro-chemicals on Environment. International Journal of Sustainable Agricultural Technology. 6(11):1-5.
5. T. Sultana, M.S.Ulla, M.H. Kabir and T. Bagum. 2011. Involvement of Rural Women in Agribusiness. Bangladesh Journal of Progressive Science and Technology. 9 (1): 57-60.
6. M.H. Kabir and R. Rainis. 2012. Farmers' perception on the adverse effects of pesticide on environment: a case of Bangladesh. International journal of sustainable agriculture, 4(2): 25-32.
7. M.H. Kabir and R. Rainis. 2013. Integrated pest management farming in Bangladesh: present scenario and future prospect. Journal of agricultural technology, 9(3):515-527.

8. M.H. Kabir and R. Rainis. 2013. Determinants and methods of integrated pest management adoption in Bangladesh: an environment friendly approach. *American-Eurasian journal of sustainable agriculture*, 7(2):99-107.
9. M.H. Kabir and R. Rainis. 2013. Sustainable development strategies and challenges for promotion of integrated pest management program in Bangladesh agriculture: *American-Eurasian journal of agricultural and environmental sciences*, 13(7):988-995.
10. M.H. Kabir and R. Rainis. 2014. Adoption and intensity of integrated pest management (IPM) vegetable farming in Bangladesh: an approach to sustainable agricultural development. *Environment, Development and Sustainability*, 17(6):1413-1429.
11. M.H. Kabir and R. Rainis. 2015. Do farmers not widely adopt environment friendly technologies: lesson from integrated pest management (IPM)? *Modern Applied Sciences*, 9(3):208-215.
12. M.M. Haque, M.H. Kabir and N. A. Nishi. 2016. Determinants of Rice farmers' adoption of integrated pest management practices in Bangladesh. *Journal of Experimental Agriculture International*, 14(4): 1-6.
13. M.H. Kabir and R. Rainis. 2017. Are Spatial Factors Important in the Adoption of Eco-Friendly Agricultural Technologies? Evidence on Integrated Pest Management (IPM). *Journal of Geographic Information System*, 9, 98-113.
14. M. H. Kabir, M. J. Azad, M.M. Rahman, M.M. Alam, and M. Z. Haque. 2017. Potato farmers post harvest problems in Joypurhat district of Bangladesh. *Journal of Experimental Bioscience*, 8(2): 23-28.
15. M.H. Kabir, M.S. Islam, M.S. Ali and M. M. Abdullah. 2018. Farmers perception towards harmful effects of climate change on agriculture. *Asian Journal of Agricultural Extension, Economics & Sociology*, 27(1): 1-8.
16. M. Z. Alam, M. S. Islam, and M.H. Kabir. 2018. Problems faced by the bean farmer in selected areas of Pabna district in Bangladesh. *Research in Agriculture, Livestock and Fisheries*, 5(1): 11-18.

17. M. Parvez, K. Z. Hossain, and M.H. Kabir. 2018. Adoption extent of organic vegetable farming in Bogra district, Bangladesh. *International Journal of Science and Business*, 2(1): 61-72.
18. M. S. Islam., M. S. Islam., M.H. Kabir., M. Z. Alam., and S. M. Nur-e-Alam. 2019. Use of communication media by the Bean farmers. *International Journal of Science and Business*, 3(2): 126-137.
19. M. S. Islam., M.H. Kabir., M. S. Ali., M. S. Sultana., and M. Mahasin. 2019. Farmers' knowledge on climate change effects in agriculture. *Agricultural Science*, 10: 386-394.
20. M. S. Sultana., M. S. Ali., M. R. Islam., M.H. Kabir., and M. K. Hasnat. 2019. Effectiveness of Krisoker Janala in Disseminating Agricultural Information: An Innovative Tool. *Open Journal of Social Sciences*, 7: 272-280.
21. T. M. Rakib., M.H. Kabir., M. R. Islam and M. S. Islam. 2019. Profitability of Vegetable Cultivation by the Integrated Pest Management (IPM) Farmers. *American Journal of Agricultural Research* 4: 60.
22. Nasrin, S., M.H. Kabir., M. M. Alam and M. S. Islam. 2019. Farmers Knowledge on Pesticide Application in Vegetable Cultivation. *International Journal of Applied Agricultural Science*, 5(6) 144-151.
23. Rahman, M. Z., M.H. Kabir., M. M. Alam and M. S. Islam. 2019. Determinants of Tobacco Cultivation in Kustia District, Bangladesh. *International Journal of Agricultural Extension*, 7(3) 239-246.
24. Peal, M. A. R., Kabir, M. H., Mazumder, M. S. U., Debnath, P. and Biswas, A. (2020). Farmers' extent of adaptation strategies towards salinity effects in agriculture. *Journal of Science, Technology and Environment Informatics*, 09(01), 618-628. Crossref: <https://doi.org/10.18801/jstei.090120.63>

Book chapter:

M. H Kabir and S. U. Mazumder. 2012. *Micro-credit and Poverty Reduction*. Lambert Academic Publishing, Germany.

Participation in national and international Workshop/Training program:

1. A Training program on "Research methodology for social science researcher" sponsored by SAU, Dhaka and organized by BARD, Kotbari, Comilla, Bangladesh, 06- 24 April, 2008.
2. Certificate course on Geographic Information System (GIS),” sponsored by SAU, Dhaka and organized by Jahangirnagar University, Dhaka, Bangladesh 12 May to 09 June, 2008.
3. Impact of Climatic Changes in Bangladesh, Organized by Jahangirnagar University, Savar, Bangladesh, 13-14 June, 2008.
4. Use of Library resources (Database) and End Note, Organized by the Library Section of University Sains Malaysia, Penang, Malaysia, 28 March, 2012.
5. Arc GIS seminar 2012. Extend the reach of your GIS. Organized by ESRI Malaysia, 2012 and University Sains Malaysia at School of Humanities, USM, Malaysia, 18 April, 2012.
6. Rasch Model Analysis and Factor Analysis for Questionnaire Validation. Organized by Institute of Post Graduate Studies, University Sains Malaysia, 24 April, 2012.
7. Qualitative and Quantitative data analysis, Organized by the Institute of Post Graduate Studies, University Sains Malaysia, Malaysia, 19 November, 2012.
8. Multiple Regression Analysis including Binary and Multinomial Logit model, Organized by the Institute of Post Graduate Studies, University Sains Malaysia, Malaysia, 6 March, 2013.
9. Curriculum Development and Teaching-Learning Assessment. Organized by Higher Education Quality Enhancement Cell, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh dated July 17-21, 2016.
10. Workshop on the Science and Governance of Solar Radiation Management (SRM). Organized by the Bangladesh Centre for Advanced Studies (BCAS) and the Solar Radiation Management Governance Initiative (SRMGI) at Dhaka, Bangladesh dated 27 February, 2017.
11. Geoengineering the Climate: Impacts and the Developing World, 1st Summer School at Beijing Normal University, 17-21 July 2017, Beijing, China.

12. Geoengineering the Climate: Impacts and the Developing World, 2nd Summer School at Beijing Normal University, 12-16 August 2019, Beijing, China.

13. Expert consultation on land degradation base map 2000 preparation of Bangladesh. Implemented by FAO and GEF agency and organized by ministry of forest, environment and climate change on 10th October, 2019.

14. Validation workshop on developing agricultural climate services training manual. Organized by Sher-e-Bangla Agricultural University and AMISDP on 15th December, 2019.

Award/Scholarship

1. Sher-e-Bangla Agricultural University (Former Bangladesh Agricultural Institute) Merit scholarship for B.Sc. Ag. (Hons) from 2000 to 2003.

2. The World Academy of Sciences (TWAS) and Universiti Sains Malaysia (USM) fellowship for Ph.D. program from 2012 to 2015.

3. TWAS and Beijing Normal University sponsorship for the training program “Geoengineering the climate” at 1st Summer School, Beijing Normal University, China in July, 2017.

4. TWAS and Beijing Normal University sponsorship for the training program “Geoengineering the climate” at 2nd Summer School, Beijing Normal University, China in August, 2019.

5. Sixth International Geoengineering Governance Summer School program co-sponsored by University California Los Angeles (UCLA) School of Law, the Forum for Climate Engineering Assessment, the Solar Radiation Management Governance Initiative, the Harvard Solar Geoengineering Research Program, and the Carnegie Climate Geoengineering Governance Initiative (C2G2) from August 5-11, 2019 at the Banff Centre, Canada.

Foreign experience/Mobility

Country	Duration	Purpose
India	12 th March, 2003 to 29 th March, 2009	Academic Tour
Malaysia	March, 2012 to October, 2015	Ph.D. program
China	16 th July -22 July 2017	1 st summer school program on Ggeoengineering the climate
China	12 th August -16 August 2019	2 nd summer school program on Ggeoengineering the climate

Supervise M.Sc. thesis

1. Constraints faced by the farmers in Cassava cultivation (Co-supervisor)
2. Knowledge gap in use of Wheat production technologies among the Wheat growers of Rangpur District (Co-supervisor)
3. Farmers extent of adaptation strategies towards salinity effects in agriculture (Co-supervisor)
4. Pest management problems faced by the potato farmers (Co-supervisor)
5. Adoption of organic vegetable farming by the farmers of Bogra District (Co-supervisor)
6. Problems faced by the farmers in floating vegetable cultivation (Supervisor)
7. Attitude of the houseowners' towards roof top gardening at Dhaka city (Supervisor)
8. Post-harvest problems of potato farmers in Joypurhat District (Supervisor)
9. Livelihood resilience of flood affected households in north-western Bangladesh (Co-supervisor)
10. Assessing socio-economic status of tea garden workers in Sylhet District (Co-supervisor)
11. Use of media in receiving information by the Mango growers (Supervisor)
12. Adoption of broiler production practices by the farmers (Co-supervisor)
13. Problem faced by the Bean farmers in Pabna district (Co-supervisor)
14. Farmers knowledge on pesticide application in vegetable cultivation (Supervisor)
15. Farmers perception towards harmful effects of climate change on agriculture (Supervisor)
16. Involvement of farm women in post-harvest processing of vegetables (Supervisor)
17. Determinants of Tobacco cultivation by the farmers of Kustia District (Supervisor)
18. Profitability of vegetable cultivation using IPM practices (Supervisor)
19. Adoption extent of Swarna Rice varieties by the farmers (Co-supervisor)
20. Assessing Farmers knowledge on food safety (Co-supervisor)
21. Determinants of farmers' use of Mobile phone in receiving agricultural information (Supervisor)
22. Farmers fertilize use gap between recommend and practice dose in rice cultivation (Co-supervisor)
23. Use of Integrated Crop Management (ICM) practices by the farmers (Supervisor)
24. Potato farmers' knowledge gap on using agrochemicals (Supervisor)
25. Factors influencing use of roof top gardening at Dhaka city (Co-supervisor)
26. Adoption of modern jute production technologies by the farmers (Co-supervisor)

27. Use of Best Management Practices (BMPs) by the farmers of Savar Upazila of Bangladesh (Supervisor)

28. Use of media in receiving information by the roof top gardeners (Co-supervisor)

Supervise Ph.D. Thesis

1. Green Industrialization of Readymade Garments Sector in Bangladesh (Co-supervisor)
2. Effects of Using Selected Post-Harvest Practices to Strengthen Vegetable Export Market (Co-supervisor)

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Professional Involvement:

- ❖ Reviewer of some selected journals of Science Domain International (SDI) publication.
- ❖ Reviewer of the Journal Agricultural Science and Technology.
- ❖ Member of Agriculturist Association of Bangladesh (AAB).
- ❖ Member of Bangladesh Agricultural Extension Network (BAEN).