

**CURRICULUM VITAE**  
**OF**  
**MD. JAHANGIR KABIR**



**Contact Details:**

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**Date of Birth:** 1<sup>st</sup> July 1974

**Summary Biography:**

I am an agricultural resource economist with significant experience to work in South Asia in a range of agricultural and livelihood development projects. After completing a Bachelor of Science in Agricultural Economics (Hons) and Master of Science in Agricultural Economics, I joined Bangladesh Jute Research Institute (BJRI), Dhaka in October, 2000 as a “Scientific Officer” and worked extensively there for 3 years on economic analysis of Jute and Jute based cropping systems. From November 2003 – May 2009, I worked for Wheat Research Centre of Bangladesh Agricultural Research Institute (BARI), Dinajpur as a “Scientific Officer” concentrating on economic analysis of wheat and wheat-based cropping systems and rural livelihood analysis through a range of inter-disciplinary projects for five and half years. I worked in a range of internationally collaborative research projects in partnership with International Maize and Wheat Improvement Centre (CIMMYT), CABI-UK, International Livestock Research Institute (ILRI), International Rice Research Institute (IRRI) and Australian Centre for International Agricultural Research (ACIAR) in Bangladesh. From 2009-2011 worked for Bangladesh Rice Research Institute (BRRI), Gazipur concentrating on economic analysis of rice and rice-based cropping systems and rural livelihood analysis and contributed a range of ACIAR, IRRI and IFAD projects. From January 2012- May 2016, I conducted Ph.D. research in the University of Queensland, Australia on ‘The Sustainability of Rice-Based Cropping Systems in Coastal Bangladesh: Bio-Economic Analysis of Current and Future Climate Scenarios. From May 2016- May 2018, I worked for BRRI as Senior Agricultural Economist, subsequently promoted as a Principal Agricultural Research Scientist (Economics) in May, 2018 and have been working there until today. Currently, I am contributing to a number of inter-disciplinary ACIAR projects and a US-Aid funded project. My key skills are conducting socioeconomic and policy research on bio-economic modelling, cost benefit and value chains analysis, assessment of impact of

climate change on productivity and profitability of farm produces, impact of research and technologies on micro and macro level, farmers' adaptation behaviour and strategies to cope with trend and shocks, wellbeing of farm households, providing training to farmers, researchers and extension personnel, writing policy brief and published paper in peer reviewed journals.

## **Employment History:**

### ***Position-1***

Job title: Principal Scientific Officer

Company name and location: Agricultural Economics Division

Bangladesh Rice Research Institute

Joydebpur, Gazipur-1701

Bangladesh

Duration: 17th May 2018 to date (Full time, 40 hours/wk, permanent)

### ***Position-2***

Job title: Senior Scientific Officer

Company name and location: Agricultural Economics Division

Bangladesh Rice Research Institute

Joydebpur, Gazipur-1701

Bangladesh

Duration: 20th May 2009 to 16th May 2018 (Full time, 40 hours/wk, permanent)

### Tasks accomplished:

1. Conduct socioeconomic and policy research on rice and rice based cropping systems.
2. Undertake a range of surveys such as reconnaissance survey, farmers' group discussion, farm household surveys, case studies and key informants interview.
3. Facilitate trials at farm level on modern varieties and technologies of rice based cropping systems for cropping systems intensification in the stress prone ecosystems.
4. Collect, collate and analyse survey and experimental data.
5. Evaluate the impacts of climate change on farming systems and investigate farmers' response in terms of adaptation to climate changes as well as assessing impact of research and technologies on micro and macro level.
6. Conduct research to assess the risks of particular cropping systems under uncertain weather and variability in prices of farm commodities through developing enterprise and stochastic budgets and bio-economic modelling.

7. Carry out research to evaluate socio-economics impacts of modern technologies.
8. Contribute in research aimed to ensure efficient and economic use of scarce resources by farmers for sustainable agricultural development.
9. Provide training to farmers, researchers and extension personnel on farm management, marketing of farm product, records keeping, budgeting, monitoring, evaluation and financial aspects of farm business.
10. Draw policy guidelines to reduce yield gap of rice to improve livelihood of rice growers.
11. Writing policy brief, scientific reports and presenting the reports in different conference, seminar and workshop.
12. Prepare Project Proposal for fund on agricultural research and development related project (s).
13. Supervising the activities of scientific assistants and scientific officers.
14. Undertaking different administrative activities and financial management.

***Position-3***

Job title: Scientific Officer

Company name and location: Agricultural Economics Division

Wheat Research Centre

Bangladesh Agricultural Research Institute

Nashipur, Dinajpur- 5200

Bangladesh

Duration: 11th November 2003 to 19<sup>th</sup> May 2009 (Full time, 40 hours/wk, permanent)

Tasks accomplished:

1. Conduct socioeconomic and policy research on wheat-based cropping systems.
2. Undertake a range of surveys such as focus group discussion and farm household surveys and key informants interview.
3. Collect, collate and analyse survey and experimental data.
4. Carry out research to evaluate socio-economics impacts of modern technologies.
5. Contribute in research aimed to ensure efficient and economic use of scarce resources by farmers for sustainable agricultural development.
6. Provide training to farmers, researchers and extension personnel on farm management, marketing of farm product, records keeping, budgeting, monitoring, evaluation and financial aspects of farm business.

7. Facilitate trials at farm level on modern varieties and technologies of wheat-based cropping systems for intensification of cropping in the northwest Bangladesh.
8. Draw policy guidelines to reduce yield gap of wheat to improve livelihood of wheat growers.
9. Writing scientific reports and presenting the reports in different conference, seminar and workshop.
11. Prepare Project Proposal for fund on agricultural research and development related project (s).
12. Supervising the activities of scientific assistants.
13. Undertaking different administrative activities and financial management.

***Position-4***

Job title: Scientific Officer

Company name and location: Economics and Marketing Research Division

Bangladesh Jute Research Institute

Manik Mia Avenue, Dhaka- 1207

Bangladesh

Duration: 2<sup>nd</sup> October 2000 to 10<sup>th</sup> November 2003 (Full time, 40 hours/wk)

Tasks accomplished:

1. Plan and design socio-economic and marketing research programme.
2. Conduct research on different aspects of marketing of crops as well as agro-processing related constraints.
3. Analyse marketing structure and performance at retail, wholesale and primary level.
4. Conduct socio-economic studies to assess the level of technology adoption at farm level.
5. Assess project impacts towards the goal of achieving poverty reduction, income generation of gender related programme.
6. Conduct research programme on impact of research fund on farmers' level.
7. Prepare survey questionnaire and schedule to conduct socio-economic and other research studies.
8. Carry out farm level surveys for collecting necessary data.
9. Collect, collate and analyse survey and experimental data statistically.
10. Prepare research reports and scientific papers on the basis of research studies.
11. Prepare project proposal on different development activities conducting by the institute.
12. Coordinate training activities on socioeconomic aspects, crops production and profitability meant farmers and extension agents.

**Educational qualification:**

1. (a) Name of the Degree: Doctor of Philosophy  
(b) Duration: About four years (01/2012 to 05/2016)  
(c) Awarding body: The University of Queensland, Australia  
(d) Major: Agriculture and Resources Economics  
(e) Result: Successfully awarded
  
2. (a) Name of the Degree: Master of Science  
(b) Duration: Two years (01/1998 to 12/1999)  
(c) Awarding body: Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh  
(d) Major: Agricultural Economics  
(e) Result: CGPA 3.68/4.00
  
3. (a) Name of the Degree: Bachelor of Science in Agricultural Economics (Honours)  
(b) Duration: Four years (07/1991 to 06/1995), Degree conferred on December, 1997  
(c) Awarding body: Bangladesh Agricultural University  
(d) Major: Agricultural Economics  
(e) Result: Second Class

**Professional development:***1. Expertise Topics*

Agricultural development in South Asia

Farming systems economics

Bio-economic modelling

Rural livelihood analysis

Climate change impact, adaptation and adaptive capacity analysis

Cost-benefit analysis

Risk analysis

Project appraisal

*2. Computer Software Skills:* MS Office, SPSS, STATA, @RISK, Eviews, Front 41, EasyReg. and APSIM

## Publications

### (a) Selected Publications

1. Kabir, M.J., Gaydon, D.S., Cramb, R. and Roth, C.H., 2018. Bio-economic evaluation of cropping systems for saline coastal Bangladesh: I. Biophysical simulation in historical and future environments. *Agricultural Systems*, 162, pp.107-122.
2. Kabir, MJ, Cramb, R, Gaydon, DS, & Roth, C 2018, 'Bio-economic evaluation of cropping systems for saline coastal Bangladesh: III Benefits of adaptation under future conditions', *Agricultural Systems*, 161, pp.28-41.
3. Kabir, M, Cramb, R, Gaydon, D & Roth, C 2017, 'Bio-economic evaluation of cropping systems for saline coastal Bangladesh: ii. Economic viability under historical and future environments', *Agricultural Systems* 155, pp.103-115.
4. Kabir, MJ, Alauddin, M & Crimp, S, 2017, 'Farm-level Adaptation to Climate Change in Western Bangladesh: An Analysis of Adaptation Dynamics, Profitability and Risks', *Land Use Policy*, 64, pp.212-224.
5. Kabir, MJ, Cramb, R, Alauddin, M, Roth, C & Crimp, S, 2017, 'Farmers' Perceptions of and Responses to Environmental Change in Southwest Coastal Bangladesh' *Asia Pacific*, 58 (3), pp.362–378.
6. Kabir, MJ, Cramb, R, Alauddin, M & Roth, C 2016, 'Farming adaptation to environmental change in coastal Bangladesh: shrimp culture versus crop diversification', *Environment, Development and Sustainability*, 18(4), pp.1195-1216.
7. Dalgliesh, N, Saifuzzaman, M, Kabir, M.J and Sattar, S.M.A (2017) Expanding the area for rabi-season cropping in southern Bangladesh, In Pearce. D and Alford, A. (Ed.). Australian Centre for International Agricultural Research. Adoption of ACIAR project outputs 2017.
8. Kabir. M J., Carberry, P.S., Nelson, R, Khan, I. A., Dalgliesh, N. P., Poulton, P.L. (2011): Economic viability of Rabi-season crops. In H. Rawsan (Ed.) *Sustainable intensification of Rabi cropping in southern Bangladesh using wheat and mungbean*. Australian Centre for International Agricultural Research. Australian Centre for International Agricultural Research: Canberra, ACIAR Technical Reports No. 78.
9. Kabir. M J and Rawson, H.M. (2011): Economics of Rabi crops and common rotations. In H. Rawsan (Ed.) *Sustainable intensification of Rabi cropping in southern Bangladesh using wheat and mungbean*. Australian Centre for International Agricultural Research. Australian Centre for International Agricultural Research: Canberra, ACIAR Technical Reports No. 78.
10. Alauddin, M, Kabir, MJ, Karim, MS, 2016 'Agroforestry and sustainable livelihoods in Fiji: two case studies; In Steve, H, Karim, MS (Ed.), *Promoting sustainable agriculture and agroforestry to replace unproductive land use in Fiji and Vanuatu*, Australian Centre for International Agricultural Research. Australian Centre for International Agricultural Research: Canberra, ACIAR Monograph MN191.
11. Alauddin, M, Kabir, MJ, Karim, MS, 2016 'Agroforestry and sustainable livelihoods in Vanuatu: insights from two case studies ; In Steve, H, Karim, MS (Ed.), *Promoting sustainable agriculture and agroforestry to replace unproductive land use in Fiji and Vanuatu*, Australian Centre for International Agricultural Research. Australian Centre for International Agricultural Research: Canberra, ACIAR Monograph MN191.

12. Kabir, MJ, Gaydon SD, Cramb, R, & Roth, HC. Performance of existing and potential cropping systems in southern coastal Bangladesh under climatic and environmental change. In 2nd International Conference on Global Food Security, 11-14 October 2015, Cornell University, Ithaca, New York, USA.
13. Kabir, M. J., Cramb, R., & Alauddin, M. Farming Adaptation to Environmental Change in Coastal Bangladesh: Shrimp Culture versus Crop Diversification. In Annual (59th) Conference of Australian Agricultural and Resource Economics Society, February 10-13, 2015, Rotorua, New Zealand.
14. Gaydon, DS, Rashid, MH, Muttaleb, MA, Sarker, MM, Chaki, A, Kabir, MJ, and Saiyed, I, 2013, Increasing cropping intensity in Bangladesh - water productivity (\$profit/mm) implications for current and future climates, in First International Conference on Global Food Security, 29th September – 3rd October 2013, Noordwijkerhout, Netherlands.
15. Baksh ME, Kabir, MJ and Paudyal, K, 2007 Modern technology for wheat cultivation has eased the poverty of Jogendranath's family: a case study in Bangladesh: Technologies for Improving Rural Livelihood in Rain-fed System in South Asia, IRRI, Philippines.
16. Baksh ME, Kabir, MJ and Paudyal, K, 2007: Providing service in tillage and seed drilling has boosted Abdul Wahab's livelihood: a case study: Technologies for Improving Rural Livelihood in Rain-fed System in South Asia, IRRI, Philippines.

#### **Current Research Projects and Professional Contract**

- i. Sustainable cropping systems intensification through integrated soil, water and crop management in the salt affected coastal zone of southern Bangladesh and West Bengal India, (ACIAR project LWR/2014/073 from 2016). Dr Mohammed Mainuddin (CSIRO) and Dr. Don Gaydon (CSIRO).
- iii. Improving dry season irrigation for marginal and tenant farmers in the Eastern Gangetic Plains Irrigated agriculture in the northwest region of Bangladesh, ACIAR project LWR/2012/079. Dr Mohammed Mainuddin (CSIRO) and Erik Schmidt (USQ).
- (iii) Climate change Adaptation of rural households in Charlands of Bangladesh. Dr. Humnath Bhandari, (IRRI) and Charles (Chuck) W, Kansas State University

#### **Past Research Projects and Past Professional Contract**

- (i) ACIAR Impact Assessment. Expanding the area for Rabi-season cropping in southern Bangladesh (ACIAR Project: SMCN/2005/146 from January 2017). Mr. Neal Dalgliesh.
- (ii) Promoting sustainable agriculture and agroforestry to replace unproductive land-use in Fiji and Vanuatu (ACIAR ADP/2014/013 from 2013-2014). Dr Saiful Karim (QUT, Australia) and A/Professor Mohammad Alauddin (UQ, Australia).
- (iii) Building capacity of farming communities in Cambodia, Laos, Bangladesh and India to adapt to climate change (ACIAR project LWR/2008/019 from 2010-2011). Dr Christian Roth (CSIRO), Dr. Peter R. Brown (CSIRO), Don Gaydon (CSIRO), Perry Poulton (CSIRO) and Monica Van Wensveen (CSIRO).
- (iv) Expanding the area for Rabi-season cropping in southern Bangladesh (ACIAR project LWR/2005/146 from 2007-2011). Mr. Neal Dalgliesh (CSIRO), Dr. Rohan Nelson (formerly CSIRO), Dr. Peter Carberry (CSIRO), Dr. Howard Rawson (consultant) and Mr. Perry Poulton (CSIRO).

- (v) Support to Agricultural Research for Climate Change Adaptation (SARCCAB) in Bangladesh from 2009 (IFAD/IRRI project from 2009-2011) Dr. Zainul Abedin (IRRI).
- (vi) Socio economic Assessment of Arsenic Contamination in Some Selected Areas of Bangladesh' designed to explore qualitative and quantitative effect of arsenic on the agro-environment and livelihood (IRRI Project from 2009-2011). Dr. Rafikul Islam (IRRI, Bangladesh).
- (vii) Stress tolerant rice for poor farmers in Africa and South Asia (BMG/IRRI) from 2009-2011). Dr. Thelma Parish (IRRI, Philippines).
- (viii) Scoping study of socioeconomic part of the project Building capacity of farming communities in Cambodia, Laos, Bangladesh and India to adapt to climate change (ACIAR project LWR/2008/015 in 2009). Dr. Peter R. Brown (CSIRO) and Dr. Christian Roth.
- (ix) Scoping study of Expanding the area for Rabi-season cropping in southern Bangladesh to assess the technical and economic feasibility of wheat production in southern Bangladesh (ACIAR project SMCN/2005/146 in 2006). Dr. Peter Carberry (CSIRO), Mr. Neal Dalgliesh (CSIRO), Dr. Howard Rawson (CSIRO).
- (x) Livestock & Livelihoods" crop-livestock interactions and conservation agriculture (ILRI project from 2006-2009). Dr. Olaf Erenstein (CIMMYT India) and Dr. Nils Teufel (ILRI India).
- (xi) Multi-stake holder program to accelerate technology adoption to improve Rural Livelihoods in Rainfed Eastern Gangetic Plains (IFAD TAG 634 project from 2004 – 2007. Dr Olaf Erenstein (CIMMYT India) and Dr. Kamal Paudyal (CIMMYT Nepal).
- (xii) Participatory Wheat Seed Production Program for the Improvement of Livelihoods of Marginal farmers (CABI UK project from 2004-2007). Dr. Sam Page (CABI UK).

**Professional Affiliation:**

Member of-

- (a) Australian Agricultural and Resource Economics Society(AARES)
- (b) Bangladesh Agricultural Economists' Association (BAEA)
- (c) Bangladesh Economists' Association (AEA)
- (c) National Professional Organization of the Agriculturist' (NPOA)
- (d) Bangladesh Association for the Advancement of Science (BAAS)
- (e) South Asian Network for Environmental and Natural Resources Economics (SANDEE)
- (f) Australian Alumni Association in Bangladesh
- (g) The University of Queensland Alumni Association
- (h) Bangladesh Agricultural University Alumni Association



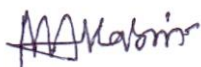
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I do hereby declare that the above statements are correct and complete to the best of my knowledge.



Dr. Md. Jahangir Kabir  
Date: 31.03.2019