Curriculum Vitae of Md. Sadique Rahman



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I, Md. Sadique Rahman, working as 'Professor' at the Department of Agricultural Finance and Management, Faculty of Agribusiness Management, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. I have completed my PhD in Agricultural Economics from Bangladesh Agricultural University. I completed postdoctoral research from the Department of Food, Agriculture, and Bioresources, Asian Institute of Technology (AIT), Thailand. My postdoctoral research focused on climate smart agriculture and food security in Bangladesh's coastal regions. Previously I worked at Bangladesh Agricultural Research Institute (BARI) under the Department of Agricultural Economics as a 'Scientific Officer'. I have published 5 book chapters and more than 50 articles in peer reviewed journals. I have conducted 20 socio-economic surveys for different organizations and have supervised MS students at Sher-e-Bangla Agricultural University. I have experience in collaborating with FAO, IPM-CRSP (USAID), CIP, University of Oxford etc.

Specialization: Expertise in data collection, policy review and analysis, econometric modelling with cross sectional data, financial and economic cost-benefit analysis, impact evaluation of policy intervention using quasi experimental approach, and review report writing. My research focus includes but not limited to impact assessment, technology adoption, climate change adaptation, perception and governance aspects of climate intervention, renewable energy, food security, aquaculture economics etc.

ACADEMIC PROFILE

Ph.D, **Agricultural Economics**, Bangladesh Agricultural University, 2018

M.S, **Agricultural Finance**, Bangladesh Agricultural University, 2006

B.Sc, **Agricultural Economics**, Bangladesh Agricultural University, 2004

PROFESSIONAL EXPERIENCE (17 YEARS OF EXPERIENCE)

a. Teaching and Research:

- **'Professor'** (12th September 2022 to present) in the Department of Agricultural Finance and Management, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- **'Associate Professor'** (12th September, 2018 to 11th September, 2022) in the Department of Management and Finance, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- '**Postdoctoral Fellow'** (01 November 2021 to 30 April, 2022), Asian Institute of Technology (AIT), Thailand.
- '**Assistant Professor'** (10th April, 2012 to 11th September, 2018) in the Department of Management and Finance, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- '**Scientific Officer'** (15th February, 2007 to 9th April, 2012) in the Department of Agricultural Economics, Bangladesh Agricultural Research Institute (BARI), Gazipur, Bangladesh.

b. Administrative:

- '**Departmental Chair'** (18th March, 2025 to till date) in the Department of Agricultural Finance and Management, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- '**Departmental Chair'** (18th March, 2019 to 17th March, 2021) in the Department of Management and Finance, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- '**Departmental Chair'** (14th May, 2014 to 30th September, 2014) in the Department of Management and Finance, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.
- **'Associate Director'** (24 September, 2023 to 09 September, 2024), Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka, Bangladesh.

c. Student Supervision:

- Supervised more than 20 MS students in the Department of Agricultural Economics, Development and Poverty Studies, and Management & Finance, Sher-e-Bangla Agricultural University (SAU), Dhaka, Bangladesh.

d. Consultancy:

- **'Local Consultant'** (1st September, 2019 to 25th November, 2019) IDMODEL project, University of Oxford, UK.
- **'Subject Matter Specialist',** May 2023, Technical Status Paper on Livestock Financing and Insurance in Bangladesh, LDDP, FAOBD.
- **'National Consultant-Rural Finance Expert'** (19 October 2023- 15 May 2024), Food and Agriculture Organization of the UN, Bangladesh.
- **'Financial Analyst'** (19 May 2024- 31 August 2024), Food and Agriculture Organization of the UN, Bangladesh.

e. ***Other experiences***

- Conducted 20 socio-economic surveys at field level in different regions of Bangladesh for different research projects using paper questionnaire and computer software surveybe/surveyCTO.

RESEARCH WORK COMPLETED

Total research work	As Principal investigator	As Co-Principal investigator
20	06	14

COURSES TAKEN OVER THE LAST 3 YEARS

Course title	Level	Teaching Learning Strategy
Basic Econometrics	Graduate	Lecture, Visual Presentation, Assignment
Financial Management	Graduate	Lecture, Visual Presentation, Assignment, Field visit
Risk Management in Agriculture	Graduate	Lecture, Visual Presentation, Assignment, Case study
Agricultural Finance	Graduate	Lecture, Visual Presentation, Assignment
Advanced Research Methodology	Post-graduate	Lecture, Visual Presentation, Assignment, Case study
Financial Management in Agriculture	Post-graduate	Lecture, Visual Presentation, Assignment

PROFESSIONAL MEMBERSHIP

a. Bangladesh Agricultural Economists Association (BAEA)
b. International Association of Agricultural Economics (IAAE)
c. Australasian Agricultural and Resource Economics Society (AARES)

SUPERVISION OF MS STUDENTS

Total	As major supervisor	As Co-supervisor
21	13	08

LANGUAGE

Language	Understanding	Speaking	Reading	Writing
Bengali	Excellent	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent	Excellent

RESEARCH GRANT RECEIVED AS PI AND CO-PI

Approximately **USD 350,000** AS PI and CO-PI. Major completed research projects are as follows:

01 Acceptance of solar radiation modification (SRM) in the context of a climate-vulnerable South Asian country: Public perception and their associated factors. Funded by The Degrees Initiative, UK. Year: 2024-2026.

02 Understanding farmers' incentives to adopt short duration rice variety in flash flood prone Haor (freshwater wetland) ecosystem in Bangladesh. Funded by SANDEE/ICIMOD, Year: 2023-2024.

03 Strengthening food safety planning and governance (FSPG), Food vendors capacity strengthened (FVC), and public awareness project. Funded by FAO. Year:2023

04 Feasibility study of Diversified Resilient Agriculture for Improved Food and Nutrition Security (RAINS) project. Funded by FAO. Year: 2022

05 Drivers of adoption and livelihood status of the smallholder drought tolerant rice varieties growers in northern Bangladesh. Funded by Sher-e-Bangla Agricultural University Research System (SAURES). Year: 2020-2021

06 Impact of Improved Aquaculture Technologies on Productivity and Livelihood of Fish Farmers in Bangladesh. Funded by National Agricultural Technology Programme (NATP)-II. Year: 2018

07 Policy Option for Supporting Agricultural Diversification in Bangladesh. Funded by Food and Agriculture Organization (FAO). Year: 2013

AWARD AND FELLOWSHIP RECEIVED

- Islamic Development Bank and The World Academy of Sciences (IsDB-TWAS) post-doctoral fellowship.
- Awarded Integrated Pest Management Innovation Lab (IPM IL) fellowship from IPMIL-USAID for PhD research.
- Director General's award for securing first position in foundation training course at BARD.

TRAINING COURSES RECEIVED

Name of Institution	Period	Topic of Training	Duration
A) Data analysis related			
BRAC James P Grant School of Public Health	29 – 30 April 2026	Qualitative data analysis using Nvivo	2 days
Bangladesh Agricultural Research Council (BARC)	29 May-02 June, 2022	Application of impact assessment methods in agriculture	05 days
South Asian Network on	15-17 and 22-24	Computable General	06 days

Economic Modeling (SANEM)	October, 2020	Equilibrium (CGE) model	
Thriving skills	27-28 September, 2020	Structural equation modeling using AMOS	02 days
Global Public Health Research Organization (GPHRO)	04-05 January, 2020	Systematic review and meta-analysis	02 days
South Asian Network on Economic Modeling (SANEM)	09-10 January, 2019	Impact Evaluation	02 days
Interdisciplinary Centre for Food Security (ICF)	08-13 August, 2017	Application of statistical methods for analysis of data by STATA	06 days
Sher-e Bangla agricultural University (SAU)	08-16 May, 2016	Data analysis by statistical package STATA	09 days
Sher-e Bangla agricultural University (SAU)	6th April, 2015	Analysis of productivity and efficiency	01 day
Bangladesh Agricultural Research Council (BARC)	16-20 May, 2010	Econometric Analysis through diff. softwares	5 days
Bangladesh Agricultural Research Council (BARC)	23-31 Dec, 2009	Spatially explicit analysis	9 days
Bangladesh Agricultural Research Institute (BARI)	15-26 Nov., 2009	Computer skill for data management, analysis and reporting	14 days
B) Research methods related			
South Asian Network for Development and Environmental Economics (SANDEE)	17 – 21 February, 2025	Winter school in Research Methods	05 days
South Asian Network on Economic Modeling (SANEM)	24-28 February, 2021	Kobo toolbox-mobile based data collection tool	04 days
Mendeley/Library association of Bangladesh	19-20 September, 2020	Reference management	02 days
South Asian Network for Development and Environmental Economics (SANDEE)	30th April to 17th May, 2018	Summer school in environmental and resource economics	18 days
Graduate Training Centre (GTI)	25th April to 7th May, 2009	Research Methodology	13 days
Bangladesh Agricultural Research Council (BARC)	22-25 March, 2008	Research Methods and Data Analysis	4 days
C) Basic computer literacy related			
Graduate Training Centre (GTI)	19 February to 3 March, 2005	Basic of MS-Office	15 days
Bangladesh Agricultural Research Institute (BARI)	April 3-5, 2010	Maintenance & troubleshooting of computer	3 days
D) Administrative rules related			
Bangladesh Academy for Rural Development (BARD)	Oct. 26- Feb. 22, 2009	Foundation Training Course	4 months
Bangladesh Agricultural Research Institute (BARI)	5 -18 March, 2007	Orientation Course	15 days
E) Teaching method related			
Sher-e Bangla agricultural University (SAU)	3-5 March, 2016	Curricula development and teaching learning assessment	03 days

PUBLICATIONS

A) Journal articles (indicates corresponding author; IF indicates impact factor)*

1. Anchalee Nuansri, **Md. Sadique Rahman**, & Farhad Zulfiqar (2026). Drivers of participation in agribusinesses by agricultural cooperatives: evidence from Thailand. International Journal of Agricultural Sustainability, 24(1), 2751288. https://doi.org/10.1080/14735903.2026.2751288 (Q1/IF 5.9)

2. **Md. Sadique Rahman***, and Acharjee, D. C. (2026). Is it economically rational to switch to short-duration rice varieties? Evidence from climate vulnerable freshwater wetland areas. Applied Economics, 1–15. https://doi.org/10.1080/00036846.2026.2646321 (Q2/IF 2.2)

3. **Md. Sadique Rahman***, Fatema Sarker, Muhammad Humayun Kabir, Chad M Baum, Christine Merk and Md Roconuzzaman (2026) Stakeholder and expert opinion of solar radiation modification in South Asia: insights into perceptions, geopolitical, and governance concerns in Bangladesh. Environmental Research Communication, 8, 035035. https://doi.org/10.1088/2515-7620/ae5473 (Q1/IF 2.9)

4. Md. Hayder Khan Sujan, Mou Rani Sarker, Md Abdur Rouf Sarkar, Monira Sultana, **Md. Sadique Rahman**, Sharif Ahammad, Maruf Khan (2025) Harnessing Rice Combine Harvester Adoption for Sustainable Agriculture in the Haor (Wetland) Ecosystem of Bangladesh. The Australian Journal of Agricultural and Resource Economics, 69(4), 836-854. https://doi.org/10.1111/1467-8489.70055 (Q1/ IF 2.4)

5. Somaiya Rahman, Gazi M.A Jalil., Mst. Shopna Akter, Mohammad Marzouq Wafi, **Md. Sadique Rahman*** (2025). Farmers Adaptation Strategies to Drought and Their Adoption Determinants in Northwestern Parts of Bangladesh, Agricultural Science Digest, 1-7. (Q3)

6. Md Ashik Ur Rahman, Farhad Zulfiqar, **Md Sadique Rahman,** Sushil Kumar Himanshu, Rajendra Prasad Shrestha, Avishek Datta (2025) Exploring small-holder farmers' adaptation strategies under soil salinity impacts in coastal areas of Bangladesh. Environmental Development, 54, 101123. https://doi.org/10.1016/j.envdev.2024.101123 (IF 4.8)

7. **Md. Sadique Rahman***, Md. Hayder Khan Sujan, Md. Sherf-Ul- Alam, Shaheen Akter (2024) Clean energy transition in rural Bangladesh: Challenges in adoption and impact, Energy Sources, Part B: Economics, Planning, and Policy, 19(1), 2420338. https://doi.org/10.1080/15567249.2024.2420338 (IF 3.8/Q1)

8. Toma Deb Nath, **Md. Sadique Rahman***, Arindam Biswas, Rahat Ahmed Juice (2024) Livestock farming and women empowerment in rural Bangladesh: a mixed method approach. CABI Agriculture and Bioscience, 5, 86. https://doi.org/10.1186/s43170-024-00294-3 (IF 3.8/Q1)

9. **Md. Sadique Rahman**, Farhad Zulfiqar, Hayat Ullah, Sushil K. Himanshu, Mofasser Rahman, Avishek Datta (2024) Does the adoption of homestead gardening increase dietary diversity in climate-vulnerable coastal areas? Evidence from Bangladesh. Asia Pacific Journal of Reginal Science, 8, 859-878. https://doi.org/10.1007/s41685-024-00347-5 (IF 1.9/Q2)

10. Md. Hayder Khan Sujan, Mohammad Mizanul Haque Kazal, Md. Akhteruzzaman, Sima Kundu, Md. Kamrul Islam, **Md. Sadique Rahman** (2024) Economic viability of releasing Bt cotton in Bangladesh: An early insight. Heliyon, 10, e30589**.** https://doi.org/10.1016/j.heliyon.2024.e30589 (IF 4/Q1)

11. Shah Johir Rayhan, **Md. Sadique Rahman**, Kaiyu Lyu (2024) Increasing Boro rice productivity through credit: Evidence from Bangladesh. Agricultural Economics-Czech, 70(2), 49-59. https://doi.org/10.17221/341/2023-AGRICECON (IF:2.2/Q2)

12. Debasish Chandra Acharjee**, Md. Sadique Rahman**, Kamal Gosh, Md Ruhul Amin, G M Monirul Alam and Mohammad Ismail Hossain (2023) An Analysis of Fish Farming Profitability and Marketing Efficiency of Selected Fish Species in Bangladesh. Journal of Fisheries and Environment, 47(3), 102-115. (Q4/Cite score: 1)

13. Sharmin Akter, **Md. Sadique Rahman⁎,** Shopna Akter, Shirajum Manjira, Tahrima Haque Beg (2023) Factors driving the shifting of land from rice to aquaculture farming in Bangladesh. Journal of Agribusiness and Rural Development, 70(4), 369-377. http://dx.doi.org/10.17306/J.JARD.2023.01719

14. Debasish Chandra Acharjee, **Md. Sadique Rahman**, Kamal Gosh, GM Monirul Alam, A.B.M. Mahfuzul Haque, and Mohammad Ismail Hossain (2023) Factors influencing fish farmers' decision in selecting the right market outlet: empirical evidence from Bangladesh, Journal of Applied Aquaculture, https://doi.org/10.1080/10454438.2023.2299029 (IF: 1.2/Q2)

15. Shah Johir Rayhan, **Md. Sadique Rahman**, Kaiyu Lyu (2023) The role of rural credit in agricultural technology adoption: The case of Boro rice farming in Bangladesh, Agriculture, 13, 2179. https://doi.org/10.3390/agriculture13122179 (IF: 3.6/Q1)

16. Moniruzzaman, Sadika Haque, A.K. Enamul Haque, **Md Sadique Rahman***, A.H.M. Saiful Islam, Md Abdus Salam (2023) Farmer's perception, observed trend and adaptation measures to climate change: Evidence from wheat farmers in Bangladesh. Journal of Agriculture and Food Research, 14, 100873. https://doi.org/10.1016/j.jafr.2023.100873 (IF: 3.8/Q1)

17. Ranjan Roy, Moynul Hasan Monju, Mou Leong Tan, **Md. Sadique Rahman**, Shilpi Kundu, Md. Shahinoor Rahman, Byomkesh Talukder, Md. Simul Bhuyan (2023) Determining synergies and trade-offs between adaptation, mitigation and development in coastal socio-ecological systems in Bangladesh. Environmental Development, 48, 100936. https://doi.org/10.1016/j.envdev.2023.100936 (IF: 5.4/Q1)

18. Muhammad Humayun Kabir, Sk. Md. Nur-e-Alam, Avishek Datta, Mou Leong Tan, **Md. Sadique Rahman*** (2023) Understanding vegetable farmers' adoption, dis-adoption, and non-adoption decisions of pest management by pheromone trapping. Plos One, 18(9), e0292254. https://doi.org/10.1371/journal.pone.0292254 (IF: 3.75/Q1)

19. Sadika Haque, Md Salman, **Md Sadique Rahman***, Abu Torab M.A. Rahim, Md Nazmul Hoque (2023) Mothers' dietary diversity and associated factors in megacity Dhaka, Bangladesh. Heliyon, 9, e19117. https://doi.org/10.1016/j.heliyon.2023.e19117 (IF: 4.0/Q1)

20. **Md Sadique Rahman***, Md Hayder Khan Sujan, Md Sherf-Ul-Alam, Monira Sultana, Mst Shopna Akter (2023) Adoption of improved management practices of livestock: Case of small-scale farmers in rural Bangladesh. Heliyon, 9, e18667. https://doi.org/10.1016/j.heliyon.2023.e18667 (IF: 4.0/Q1)

21. **Md. Sadique Rahman**, Farhad Zulfiqar, Hayat Ullah, Sushil K. Himanshu, Avishek Datta (2023) Farmers' perceptions, determinants of adoption, and impact on food security: case of

climate change adaptation measures in coastal Bangladesh. Climate Policy. https://doi.org/10.1080/14693062.2023.2212638 (IF: 6.05/Q1)

22. Faruque As Sunny, Mohammad Ariful Islam, Taonarufaro Tinaye Pemberai Karimanzira, Juping Lan, **Md. Sadique Rahman**, Huang Zuhui (2023) Adoption impact of solar based irrigation facility by water-scarce northwestern areas farmers in Bangladesh: Evidence from panel data analysis. Frontiers in Energy Research, 10, 1101404. https://doi.org/10.3389/fenrg.2022.1101404 (IF:3.85/Q2)

23. M. H. Kabir, S. Afroz, M. M. Alam and **M. S. Rahman** (2023) Rural women's attitude and involvement in post-harvest processing of vegetables. Journal of Animal and Plant Science. 33(2). https://doi.org/10.36899/JAPS.2023.2.0622 (IF= 0.54/Q4)

24. **Md. Sadique Rahman**, Farhad Zulfiqar, Hayat Ullah, Sushil K. Himanshu, Avishek Datta (2023) Status and drivers of households' food security status in climate-sensitive coastal areas of Bangladesh: A comparison between the exposed and interior coasts. International Journal of Sustainable Development and World Ecology. 30(1), 81-94. https://doi.org/10.1080/13504509.2022.2123409 (IF= 4.87/Q1)

25. Faruque As Sunny, Taonarufaro Tinaye Pemberai Karimanzira, Wenhuan Peng, **Md. Sadique Rahman,** Huang Zuhui (2022) Understanding the determinants and impact of the adoption of technologies for sustainable farming systems in water-scarce areas of Bangladesh. Frontier in Sustainable Food Systems, 6, 961034. https://doi.org/10.3389/fsufs.2022.961034 (IF= 5.0/Q1)

26. **Md. Sadique Rahman*,** Md. Hayder Khan Sujan, Debasish Chandra Acharjee, Rezoyana Kabir Rasha, Mofasser Rahman (2022) Intensity of adoption and welfare impacts of drought-tolerant rice varieties cultivation in Bangladesh. Heliyon, 8(5), https://doi.org/10.1016/j.heliyon.2022.e09490 (IF= 3.77/Q1)

27. Faruque As Sunny, Linlin Fu, **Md Sadique Rahman**, Taonarufaro Tinaye Pemberai Karimanzira, Huang Zuhui (2022) What influences Bangladeshi Boro rice farmers' adoption decisions of recommended fertilizer doses: A case study on Dinajpur district. Plos One, 17(6), e0269611. https://doi.org/10.1371/journal.pone.0269611 (IF= 3.24/Q1)

28. Muhammad Humayun Kabir, Sandip Biswas, **Md. Sadique Rahman**, Md. Saiful Islam, Mou Leong Tan (2022) Determinants of vegetable growers' knowledge and willingness to adopt botanical pesticides. International Journal of Pest Management, https://doi.org/10.1080/09670874.2022.2066733 (IF=1.90/Q1)

29. Sanaullah Panezai, Moniruzzaman, Shahab E. Saqib, **Md. Sadique Rahman**, Zannatul Ferdous, Sobia Asghar, Ayat Ullah, Niaz Ali (2022) Rural households' food security and its determinants in coastal regions of Bangladesh. Natural Resources Forum, https://doi.org/10.1111/1477-8947.12250 (IF=1.82/ Q2)

30. Faruque As Sunny, Linlin Fu, **Md Sadique Rahman**, Zuhui Huang (2022) Determinants and Impact of Solar Irrigation Facility (SIF) Adoption: A Case Study in Northern Bangladesh. Energies, 15, 2460. https://doi.org/10.3390/en15072460 (IF=3.0/Q2)

31. **Md. Sadique Rahman*** (2022) Farmers' perceptions of integrated pest management (IPM) and determinants of adoption in vegetable production in Bangladesh, International Journal of Pest Management, 68(2), 158-166. https://doi.org/10.1080/09670874.2020.1807653 (IF=1.90/ Q2)

32. **Md. Sadique Rahman*,** Md. Hayder Khan Sujan, Md. Sherf-Ul-Alam, Muhammad Humayun Kabir (2021) Adoption and dis-adoption of farm mechanization in Bangladesh:

Case of rice-wheat thresher. Emirates Journal of Food and Agriculture, 33(12), 1000-1007. https://doi.org/10.9755/ejfa.2021.v33.i12.2794 (IF=1.04/Q3)

33. **Md. Sadique Rahman***, Monoj Kumar Majumder (2021) Drivers of adoption and impacts of an eco-friendly agricultural technology in Bangladesh. SN Business and Economics, 1, https://doi.org/10.1007/s43546-021-00165-3

34. **Md Sadique Rahman***, Mohammad Mizanul Haque Kazal, Shah Johir Rayhan, Md. Hayder Khan Sujan (2021) Potential for productivity improvements by implementing improved management practices in pond polyculture of Indian major carps in Bangladesh. Aquaculture International, https://doi.org/10.1007/s10499-021-00799-y (IF=2.23/Q2)

35. **Md. Sadique Rahman***, Monoj Kumar Majumder, Md. Hayder Khan Sujan, Shirajum Manjira (2021) Livelihood status of coastal shrimp farmers in Bangladesh: Comparison before and during COVID-19. Aquaculture Reports, 21. https://doi.org/10.1016/j.aqrep.2021.100895 (IF=3.21/Q1)

36. **Md Sadique Rahman***, Mohammad Mizanul Haque Kazal, Shah Johir Rayhan, Shirajum Manjira (2021) Adoption determinants of improved management practices and productivity in pond polyculture of carp in Bangladesh, Aquaculture and Fisheries. https://doi.org/10.1016/j.aaf.2021.08.009 (Q2)

37. **Md. Sadique Rahman***, Monoj Kumar Majumder, Md. Hayder Khan Sujan (2021) Adoption determinants of biogas and its impact on poverty in Bangladesh, Energy Reports, Vol. 7, 5026-5033. https://doi.org/10.1016/j.egyr.2021.08.027 (IF=6.87/Q1)

38. Moniruzzaman, **Md. Sadique Rahman***, Md. Hayder Khan (2021) Determinants of Small-Scale Mechanization for Potato Farming: A Case from Bangladesh. Journal of Nepal Agricultural Research Council, 7, 75-82. https://doi.org/10.3126/jnarc.v7i1.36923

39. **Md. Sadique Rahman*** (2021) Determinants of integrated pest management (IPM) practices dis-adoption in vegetables production in Bangladesh, International Journal of Tropical Insect Science, 41, 487-494. https://doi.org/10.1007/s42690-020-00231-7 (IF=0.56/ Q3)

40. Md. Hayder Khan Sujan, Mohammad Mizanul Haque Kazal, Md. Sekender Ali, **Md. Sadique Rahman** (2021) Cost-benefit analysis of mud crab fattening in coastal areas of Bangladesh, Aquaculture Reports, Vol. 19. https://doi.org/10.1016/j.aqrep.2021.100612 (IF=2.28/ Q1)

41. Asma Akter, Fazlul Hoque, **Md. Sadique Rahman**, Emmanuel Kiprop, Mohammad Shah Jahan, and Xianhui Geng* (2021) Determinants of adoption of homestead gardening by women and effect on their income and decision making power, Journal of Applied Horticulture, Vol. 23(1): 59-64. https://doi.org/10.37855/jah.2021.v23i01.12 (Q4)

42. Mohammad Mizanul Haque Kazal, **Md. Sadique Rahman***, Shah Johir Rayhan (2020) Determinants and impact of the adoption of improved management practices: Case of freshwater prawn farming in Bangladesh, Aquaculture Reports, Vol. 18. https://doi.org/10.1016/j.aqrep.2020.100448 (IF=2.28/ Q1)

43. **Md Sadique Rahman***, Mohammad Mizanul Haque Kazal, and Shah Johir Rayhan (2020) Impacts of the training of mud crab farmers: An adaptation strategy to cope with salinity intrusion in Bangladesh, Marine Policy, Vol 120. https://doi.org/10.1016/j.marpol.2020.104159 (IF=3.22/Q1)

44. **Md Sadique Rahman***, Mohammad Mizanul Haque Kazal, and Shah Johir Rayhan (2020) Improved management practices adoption and technical efficiency of shrimp farmers in Bangladesh: a sample selection stochastic production frontier approach, The Bangladesh Journal of Agricultural Economics, 41(1), 47-58. http://dx.doi.org/10.22004/ag.econ.304169

45. **Md Sadique Rahman***, Mohammad Mizanul Haque Kazal, and Shah Johir Rayhan (2020) Adoption and impacts of improved mud crab fattening practices on the productivity and wellbeing of coastal farmers in Bangladesh, Aquaculture International, https://doi.org/10.1007/s10499-020-00584-3 (IF=1.36/ Q2)

46. **Md Sadique Rahman***, Shirajum Manjira, Monoj Kumar Majumder, and Sajia Rahman (2020) Socio-economic determinants of off-season summer tomato cultivation, International Journal of Vegetable Science, https://doi.org/10.1080/19315260.2020.1771503 (Q3)

47. **Md. Sadique Rahman*** and M. Harun-Ar-Rashid (2020) Farmers' Perception of Integrated Pest Management and its Impact on Cucumber Production in Bangladesh, Journal of Bangladesh Agricultural University. 18(3): 674-679. https://doi.org/10.5455/JBAU.58830

48. Dalia Debnath, **MD. Sadique Rahman,** Debasish Chandra Acharjee, Waqas Umar Latif and Liping Wang (2019) Empowering women through microcredit in Bangladesh: an empirical study, International Journal of Financial Studies, Vol. 7: 37. https://doi.org/10.3390/ijfs7030037 (ESCI/ Q4)

49. Md. Sadique Rahman*, and George W. Norton (2019) Adoption and impacts of integrated pest management in Bangladesh: evidence from smallholder bitter gourd growers, Horticulturae, Vol. 5: 32. https://doi.org/10.3390/horticulturae5020032 (IF=2.33/ Q2)

50. **Md. Sadique Rahman***, and George W. Norton (2019) Farm-level Impacts of Eggplant Integrated Pest Management: A Stochastic Frontier Production Function Approach, International Journal of Vegetable Science, 25(6) https://doi.org/10.1080/19315260.2019.1566188 (Q3)

51. **Md. Sadique Rahman***, George W. Norton and M. Harun-Ar Rashid (2018) Economic impacts of integrated pest management on vegetables production in Bangladesh, Crop protection, 113, 6-14. https://doi.org/10.1016/j.cropro.2018.07.004 (IF 2.17/ SCI/ Q1)

52. **M.S. Rahman** (2013) Socio-Economic Determinants of Off-farm Activity Participation in Bangladesh, Russian Journal of Agricultural and Socio-Economic Sciences, 1(13), 3-7. http://dx.doi.org/10.18551/rjoas.2013-01.01

53. **M.S. Rahman*** and Zerina Haque (2013) Adoption of selected wheat production technologies in two Northern Districts of Bangladesh, International Journal Agricultural Research Innovation and Technology, 3(1), 5-11. https://doi.org/10.3329/ijarit.v3i1.16043

54. **M.S. Rahman*,** S.J Rayhan and A.Z.A Mukul (2013) Determinants and Constraints of Crop Diversification in Bangladesh, International Journal of Bio-Research, Vol. 15(7): 20-23.

55. Tanvir Mahmud Bin Hossain*, M.A Monayem Miah, **Md. Sadique Rahman** and Sahadat Hossain (2012) Impact of irrigation cost support by Bangladesh Government in rice production through agricultural cash subsidy system, Bangladesh Research Publication Journal, Vol. 6(4): 380-392.

56. Q.M. Shafiqul Islam*, **M.S. Rahman** and M.A. Matin (2011) Efficiency of Brinjal Growers in Selected Areas of Bangladesh, Bangladesh Journal of Agriculture, Vol. 35(1): 23-31.

57. **M.S. Rahman***, M.A. Monayem Miah, Moniruzzaman and S. Hossain (2011) Impact of Farm Mechanization on Labour Use for Wheat Cultivation in Northern Bangladesh, The Journal of Animal and Plant Sciences, Vol. 21(3): 589-594. (IF 0.54/ SCIE/ Q3)

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C) Book

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D) International Conferences and workshops

1. Md. Sadique Rahman (2025) Public and expert perception regarding solar radiation modification: A qualitative study from Bangladesh. The Degrees Global Forum, May 12-16, 2025, Cape Town, South Africa.
2. Md. Sadique Rahman (2024) Acceptance of solar radiation modification (SRM) in the context of a climate-vulnerable South Asian country: Public perception and their associated factors. Socio-Political Fund Research Planning Workshop, 28-30 May 2024, Istanbul, Turkey.

3. Md. Sadique Rahman (2023) Progress report presented on Understanding farmers' incentives to adopt short duration rice variety in flash flood prone Haor (freshwater wetland) ecosystem in Bangladesh. 46th Biannual Research and Training Workshop, 9-12 December, 2023, Dhulikhel, Nepal.
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5. Md. Sadique Rahman (2021) Intensity of Adoption and Welfare Impacts of Drought Tolerant Rice Varieties Cultivation in Bangladesh. 10th Asian Society of Agricultural Economics (ASAE) international conference, 06-08 December, 2021, Beijing, China.
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E) Completed Research Reports

1. Understanding farmers' incentives to adopt short duration rice variety in flash flood prone Haor (freshwater wetland) ecosystem in Bangladesh, funded by SANDEE/ICIMOD.
2. Strengthening food safety planning and governance (FSPG), Food vendors capacity strengthened (FVC), and public awareness project, funded by FAOBD.
3. Feasibility study of Diversified Resilient Agriculture for Improved Food and Nutrition Security (RAINS) project, funded by FAOBD.
4. Drivers of adoption and livelihood status of the smallholder drought tolerant rice varieties growers in northern Bangladesh, funded by SAURES.
5. Impact of Improved Aquaculture Technologies on Productivity and Livelihood of Fish Farmers in Bangladesh, funded by NATP-2, BARC.

6. Impact of Off-season Hybrid Tomato Cultivation on Income and Food Security of the Growers in Some Selected Areas of Bangladesh, funded by social science research council, Ministry of Planning, GoB.
7. Impact of Environment Friendly Pest Management Technologies on Bitter gourd Production in Bangladesh, funded by Ministry of Science and Technology, GoB.
8. Comparative Study of IPM and Non-IPM Technology in Selected Vegetables Growing Areas in Bangladesh, funded by NATP-SPGR, BARC.
9. Policy Option for Supporting Agricultural Diversification in Bangladesh, funded by Food and Agriculture Organization (FAO).
10. Baseline Survey on Assessment of Potato Farmer's Perception on Abiotic Stresses and Implication for Potato Improvement Research in Bangladesh, funded by BARI and CIP.
11. Baseline Survey on Adoption and Impacts of IPM Practices in Vegetables Crops in Bangladesh, funded by BARI and IPM-CRSP (USAID).
12. Impact of Agricultural Cash Subsidy System on the Rural Farm Economy of Bangladesh, funded by Bangladesh Agricultural Research Council (BARC).
13. Role of Off Farm Income on Crop Diversification in Some Selected Areas of Bangladesh, funded by Bangladesh Agricultural Research Institute.
14. Adoption and Seed Storage Technology of Wheat in Northern Part of Bangladesh, funded by Bangladesh Agricultural Research Institute.
15. Impact of Farm Mechanization on Profitability and Labour Use for Wheat Cultivation in Northern Part of Bangladesh, funded by Bangladesh Agricultural Research Institute.
16. Socio-economic Assessment of BARI Mustard Cultivation Under Block Demonstration in Selected Areas of Bangladesh, funded by Bangladesh Agricultural Research Institute.
17. Food Security in Bangladesh: Present Status and Future Perspective, funded by Bangladesh Agricultural Research Institute.
18. Technical Efficiency of Brinjal Growers in Some Areas of Bangladesh, funded by Bangladesh Agricultural Research Institute.
19. Production, Marketing and Export Potentialities of Betel Leaf in Bangladesh, funded by Bangladesh Agricultural Research Institute.
20. Economic Feasibility of Soybean Production in Noakhali and Lakshmipur District of Bangladesh, funded by Bangladesh Agricultural Research Institute.
21. Impact Assessment of FSRD Sites of OFRD, BARI, Gazipur, funded by Bangladesh Agricultural Research Institutes.

F) Dissertations

MS

Study on Impact of RDRS Poultry Credit (Layer) on Rural Women in Some Selected Areas of Nilphamari District

PhD

Returns to Investment in Developing IPM Research and Efficiency of Vegetables Growers in Some Selected Areas of Bangladesh

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