

Curriculum Vitae

of

DR. MD. MIZANUR RAHMAN SARKER Ph.D., Post Doc.

Professor

Department of Agricultural Statistics

Faculty of Agribusiness Management

Sher-e-Bangla Agricultural University (SAU)

Sher-e-Bangla Nagar, Dhaka 1207, Bangladesh

and

Part-time Lecturer

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Summary

I was a **Dean**, Faculty of Agribusiness Management and a **Chairman** of the Department of Agricultural Statistics at Sher-e-Bangla Agricultural University. I am a **founder and chief moderator** of ICT and Career Development Club, SAU and I was a **President** one of the teacher welfare organizations, coordinator of a training course and team leader of research teams, so, I co-ordinate the meeting and workshop frequently in my professional platforms.

I obtained my Ph.D. in Economics in 2011, Japan. I have done a JSPS Postdoctoral Fellow in Japan. I am a **Part-Time Lecturer** at the Graduate School of Agricultural and Life Sciences, the University of Tokyo, and I have served as a **foreign visiting scholar** at Hitotsubashi University and as a **visiting professor** at the University of Tokyo. I am an examiner of the **Bangladesh Public Service Commission** (BPSC), Bangladesh Agricultural University, Open University, Sylhet Agricultural University and Patuakhali Science and Technology University. Moreover, I am an **expert member** for the project proposal evaluation of University Grants Commission (UGC) of Bangladesh, a panel reviewer of BANBEIS, Ministry of Education, **steering and technical committee** member of IMED and Social Science Research Council, Ministry of planning. I have research experiences with Bangladesh Accreditation Council, Ministry of Science and Technology, and University Grants Commission (UGC) of Bangladesh.

From the very beginning of my professional life, I am doing multidisciplinary research in the field of Environmental Economics, Health Economics and Technologies adoption in multicultural environment with interdisciplinary team at different organizations for sustainable development of Bangladesh. I worked as an Scientific Officer (3 years 8 months) at Bangladesh Rice Research Institute (BRRI), lecturer and assistant professor (3 years 7 months) at **Bangladesh Agricultural University** and associate professor and professor at (18 years 3 months) at She-e-Bangla Agricultural University. When I was a Scientific Officer under the Department of Agricultural Economics at BRRI, I served as Principal and Co-principal Investigator at different national and international projects with collaboration to IRRI, ICLARM, IFAD for sustainable development of farmers' livelihoods with multinational team in the different ecosystem etc.

I have substantial research experience in Social Sciences of more than **twenty five (25)** years working in different development issues using the different Statistical Softwares like as SPSS, STATA and R programing etc. During this tenure, I have executed around 100 research and development projects for survey in poverty reduction, microenterprise, development, environment, migration, child labor as Lead Researcher, Econometrician and Data Management Specialist etc. I have published **63** scholarly articles,

books, chapters, conference papers, and research reports at home and abroad. Most of the cases, I am lead author as well as I have published five article as a single author.

I have multinational and multicultural research experiences such as Japan, Thailand and Bangladesh, which gave me a mixture of experience. I have travel and presentation experiences in Asia, Europe, America and Africa. Moreover, I have several years' policy relevant consultancy experience in the different national, multinational and international organizations like DoF (GoB), MoPME (GoB), IMED (GoB), NGOs, UNICEF project, World Bank project, Asian Development Bank project with a focus on microcredit, agriculture, social development and education for sustainable development in Bangladesh.

In addition, as a university teacher, I supervise the research work of my undergraduate and post graduate students of the Departments of Agricultural Economics, Agricultural Statistics and Finance and Management of Sher-e-Bangla Agricultural University, Dhaka. Moreover, I am supervising two Ph. D. students of Bangladesh University of Professional and one Ph.D. student of Sher-e-Bangla Agricultural University.

In Details

Personal Information

Name	:	Md. Mizanur Rahman Sarker
Date of birth	:	25th December 1973
Nationality	:	Bangladeshi (by birth)

Education / Professional studies

	Educational Level	Year of passing	Division/Class	Board/University
1.	Ph. D. in Economics	2011	-	Hitotsubashi University, Tokyo, Japan
2.	M. S. in Ag. Statistics	1997	1st Class	Bangladesh Agricultural University
3.	B. Sc. Ag. Econ. (Hons.)	1994	1st Class	Bangladesh Agricultural University
4.	H. S. C. (Science Group)	1990	1st Division	Comilla Board
5.	S. S. C. (Science Group)	1988	1st Division	Comilla Board

Professional Experience Records

	Position	Organization	Responsibilities	Duration
1.	Professor	Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka	Teaching and Research	March, 2014 to Date
2.	JSPS Postdoctoral Fellow	Graduate School of Economics, Hitotsubashi University, Tokyo, Japan	Research	October, 2015 to September, 2017
3.	Associate Professor	Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka	Teaching and Research	March, 2010 to March, 2014
4.	Assistant Professor	Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka	Teaching and Research	June, 2006 to March, 2010
5.	Assistant Professor	Department of Agricultural Statistics, Bangladesh Agricultural University, Mymensingh	Teaching and Research	March, 2005 to May, 2006
6.	Lecturer	Department of Agricultural Statistics, Bangladesh Agricultural University, Mymensingh	Teaching and Research	October, 2002 to March, 2005
7.	Scientific Officer	Agricultural Economics Division, Bangladesh Rice Research Institute (BRRI), Gazipur	Research	February, 1999 to October, 2002
8.	Research Assistant	Department of Agricultural Economics, Bangladesh Agricultural University, Mymensingh	Research	October, 1998 to February, 1999

Present Job Responsibility

Description of the Job

Teaching

- Responsible for teaching to the graduate and under-graduate level of students by means of lectures, tutorials, discussion, seminars demonstrations and workshops in different courses of Econometrics, Biostatistics and Research Methodology.
- Planning and coordinating the academic activities of the department in cooperation with the other members of the department.
- Selecting textbooks, reading materials, and other resources.
- Engaging students in discussions and facilitating learning and providing guidance on course content and academic expectations.
- Contributing to the development and revision of departmental curricula and collaborating with colleagues to ensure courses are up-to-date and relevant.

Research

- Conduct, guide and supervise research and provide expert service to different projects related to economic and fiscal impact modeling, forecasting, econometric modeling, input/output analysis etc.
- Formulating research questions, hypotheses, and methodologies and collecting, analyzing, and interpreting data.
- Writing and submitting research papers, articles, and books to academic journals and publishers.
- Ensuring that research findings are communicated effectively to both academic and general audiences.
- Engaging in interdisciplinary research collaborations within and outside the institution.
- Participating in research networks, conferences, and workshops to share findings and develop new ideas.
- Ensuring that research is conducted ethically, following institutional and governmental guidelines.
- Evaluating grant proposals and research reports from other scholars
- Collaborating with industry, government, or non-profit organizations to implement research outcomes.

Others

- Attending various types of academic and administrative meetings in-side and out-side of the university.
- Performing such other functions and discharges such other duties as may be prescribed by the Statutes or assigned by the Vice-Chancellor, Deans and Academic Heads.
- Supervising the activities of other teachers, staff s and students.

Administrative Experience

	Position	Organization	Duration
1.	Chairman	Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka	December 5 th , 2024 to date
2.	Dean	Faculty of Agribusiness Management, Sher-e-Bangla Agricultural University, Dhaka	September, 2019 to September, 2021
3.	Chairman	Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka	May, 2012 to April, 2014
4.	Syndicate Member	Sher-e-Bangla Agricultural University, Dhaka	2020 to 2021
5.	Member, Research Advisory Committee	Sher-e-Bangla Agricultural University Research System (SAURES)	2014-2016 and 2019 to 2021.
6.	Member, Planning, Development and Works	Sher-e-Bangla Agricultural University, Dhaka	September, 2019 to September, 2021
7.	An expert Member for the project proposal evaluation	University Grants Commission (UGC) of Bangladesh, 2023	2023
8.	A panel reviewer	Grant for Advanced Research in Education, BANBEIS, Ministry of Education	From 2023 to date

Visiting Appointments

	Position	Program	Duration
1.	Visiting Professor	BRIDGE fellowship 2024, Japan Society for the Promotion of Science	March 1 to 30, 2024.
2.	Visiting Researcher	Graduate School of Frontier Sciences, The University of Tokyo, Japan	April, 2015 to September, 2015
3.	Visiting Foreign Scholar	Institute of Economic Research, Hitotsubashi University, Tokyo, Japan	December, 2014 to March, 2015

Awards and Grants

	Country	Date	Details
1.	China	May 31 to 1 June, 2024	Travel award from ADBI to present a paper in the 11th Conference on Asia and Pacific Economies (CAPE) at Xi'an Jiaotong-Liverpool University, Suzhou, China (Not availed).
2.	Japan	March 1 to 30,	BRIDGE fellowship 2024, Japan Society for the

		2024.	Promotion of Science
3.	China	August 28 to September 8, 2023	Grant awarded to attend the 2023 International Training Workshop on Open Science and SDGs in Beijing, China.
4.	Malawi	June 25 to July 1, 2023	Grant awarded to join the 8th Annual Agriculture, Nutrition and Health Academy Week in Malawi.
5.	Singapore	June 13-14, 2018	Invitation with Travel award from ADBI in the Authors' Workshop – "Water Insecurity and Sanitation in Asia" – Book Project
6.	Japan	October 2015 to September, 2017.	JSPS Postdoctoral Fellowship, Japan Society for the Promotion of Science
7.	Singapore	June 13-15, 2017	Travel award from Grant-in-Aid for JSPS Research Fellow to attend the 11th World Conference of the Spatial Econometrics Association (SEA), Singapore Management University (SMU)
8.	USA	November 9–12, 2016	Travel award from Grant-in-Aid for JSPS Research Fellow to attend the 63rd Annual North American Meetings of the Regional Science Association International. Minneapolis, MN, USA
9.	Japan	December, 2014 to March 2015.	Visiting Foreign Scholar, Institute of Economic Research, Hitotsubashi University, Japan.
10.	Nepal	December 10- 14, 2013	Grant awarded to attend the 27th Biannual Research and Training Workshop at Kathmandu, Nepal
11.	Thailand	2013	Invitation with Travel award to attend the South Asian Network for Development and Environmental Economics (SANDEE) Summer School in Environment and Resource Economics, 2013, Thailand.
12.	Japan	October, 2006 to March, 2011.	MONBUKAGAKUSHO Scholarship, awarded by the Ministry of Education, Science, Sports and Culture of Japan.
13.	USA	2009	Travel award for the attending the 9th Annual Conference in Science and Technology in Society, 2009, USA.
14.	Japan	May 13, 2009	Invited Lecture on "Arsenic Contaminated Ground Water as a Threat for Human Health in South Asia: Evidence from Bangladesh" at Okayama University,

			Japan.
15.	Japan	2008	Institute of Economic Research Travel Award-2008, Hitotsubashi University, Japan.
16.	Spain	2008	As2008 scholarship, awarded by the Second International Congress Arsenic in the Environment
17.	Japan	2006	Exchange Researcher fellowship-2006 (Not availed), Regional Research Institute of Agricultural Production (RRIAP), Nihon University, Japan.
18.	Bangladesh	2005	Young Teacher Travel Award-2005 (USAID), Bangladesh Agricultural University, Mymensingh, Bangladesh.

Publications (from most recent) in Journals/Conference/Seminar

International Journals

No.	Year	Authors	Title & Details
63.	2024	Jahan, N., Alam, M.M., Ali, M.S., Mazumder, M.S.U. and Sarker, M.M.R.	Breaking Barriers: Strategies for Overcoming Constraints Faced by Women-led Small-scale Dairy Farm Entrepreneurs in Rural Bangladesh. Indian Journal of Animal Production and Management, 40(4), pp.269-278.
62.	2024	Chew, B.H., Maxwell, L., Anyiam, F.E., Menouni, A., Kurniawan, T.A., Dimobe, K., Sharma, T.P.P., Ali, G.A.M., Shah, R.D.T., Saleem, R., Mashroofa, M.M., Nasr, M., Abbas, B., Atapattu, A.J., Mahmoud, M., Singh, N. and Sarker, M.R.	Statements on Open Science for Sustainable Development Goals. Data Science Journal, 23: 49, pp. 1–8.
61.	2024	Haq, I., Khan, M., Chakma, S., Hossain, M.I., Sarkar, S., Rejvi, M.R.A., Salauddin, M. and Sarker, M.M.R.	Determinants of household adoption of clean energy with its rural–urban disparities in Bangladesh. Scientific Reports, 14(1), p.2356.
60.	2024	Haq, I., Hossain, M.I., Rukon, M.R., Habib, M.J., Tithy, T.A., Hasan, M.A., Akter, S., Rejvi, M.R.A., Uddin, M.S.G., Sarker,	Individual-and community-level factors associated with the presence of adequate iodized salt in households in Bangladesh: a multilevel modelling approach. International Health, p.ihae016.

M.M.R. and Wagnew, F.			
59.	2023	Haq, I., Sarker, M.M.R. and Chakma, S.	Individual and community-level factors associated with discrimination among women aged 15–49 years in Bangladesh: evidence based on multiple indicator cluster survey. PLoS One, 18(7), p.e0289008.
58.	2022	Begum, T., Mahmud, H.M., Islam, M.S., Sarker, M.M.R. and Ahmad, S.A.	Implication of Unadopted Measures on Reducing Cigarette Smoking in Bangladesh: A Study from Corporate Employees' Perspective
57.	2022	Sarker, M.M.R. , Khan, M., Parvin, M.M., Jury, F.H. and Fagun, A.N.	Determinants of Adoption of Climate-Smart Agriculture Technologies in Rice Production in Bangladesh. American Journal of Environmental Protection, 11(4), pp.97-102.
56.	2022	Sarker, M.M.R. , Khan, M., Parvin, M.M. and Islam, S.	Economic Impact of COVID-19 on Different Groups of Peoples in South Asia: Evidence from Bangladesh. Journal of Health and Environmental Research, 8(1), pp.43-46.
55.	2022	Sarker, M.M.R. , Jury, F.H. and Khan, M.,	Micro Level Study of Ethnic and Non-Ethnic Households' Food Security and Dietary Diversity.
54.	2022	Islam, S. and Sarker, M.M.R.	Engagement of Rural Women in Homestead Agricultural Activities and Association with Different Characteristics in Bangladesh. Journal of Business and Economic Development. 7(3), 63-70.
53.	2022	Fagun, A.N., Anny, S.A. and Sarker, M.M.R.	An Empirical Study on Impact of COVID-19 on Mobile Financial Service and Saving Practices: The Case of Bangladesh. International Journal of Economic Behavior and Organization, 13(2), pp.17-28.
52.	2022	Akter M., Khan M., Beg T. H. and Sarker, M. M. R.	Determinants of Adapted Improved Sanitation in Rural and Urban of Bangladesh and Pakistan. Asian Journal of Agricultural Extension, Economics & Sociology. 40(9), 398-410.
51.	2022	Sarker, M.M.R. , Sammy, H., Khan, M. and Akhtar, N.	Modeling to Reduce the Indoor Air Pollution in Dhaka: An Evidence from Randomized Experiment of NASA Recommended Plants. International Journal of Environment and Climate Change, 12(2), pp.84-92.
50.	2021	Islam, S.S., Parvin, M. M., Fagun, A. N. and Sarker, M. M. R.	Determinates of Migration from and Within Bangladesh: A Household Level Analysis. International Journal of Sustainable Development Research.7 (4), 117 – 127.

49.	2021	Sarker, M. M. R. and Yamashita, H.	Causality Analysis between the Energy Consumption and Economic Growth in South Asia: An Evidence from Bangladesh. <i>International Journal of Energy and Environmental Research</i> . 9(1), 34-47.
48.	2021	Akter, M., Sarker, M. M. R. and Nishat, N. I.	Contextualizing the Impacts of COVID-19 in Bangladesh: An Evidence from Social and Environmental Perspective. <i>Journal of Health and Environmental Research</i> . 7 (4), 198-205.
47.	2021	Parvin, M. M. and Sarker, M. M. R.	Economic Analysis of Tomato Production in Cumilla and Rangpur Districts of Bangladesh. <i>International Journal of Agricultural Economics</i> . 6(4), 193-97.
46.	2021	Sarker M. M. R. , Nishat, N. I., Parvin, M. M. and Fagun, A. N.	Determinants of Fertility Trend at District, Divisional and Regional Levels and Policy Implication for Poverty Alleviation. <i>International Journal of Health Economics and Policy</i> . 6 (3), 92-99.
45.	2021	Sarker, M. M. R. and Fagun, A. N.	COVID-19, Food Security, Food Prices and Urban-rural Interrelationship for Sustainable Food and Nutritional Security: A Study on Dhaka City. <i>International Journal of Agricultural Economics</i> . 6(1), 67-58.
44.	2021	Akter, A. and Sarker, M. M. R.	Impacts of Climate Factors Influencing Rice Production in Bangladesh. <i>International Journal of Environment and Climate Change</i> . 11(1), 42-53.
43.	2011	Sarker, M. M. R.	Spatial Modelling of Households' Knowledge about Arsenic Pollution in Bangladesh. <i>Social Science & Medicine</i> . 74 (8), 1232-1239.
42.	2011	Sarker, M. M. R.	Modeling of the Factors Influence on Arsenicosis Status, Averting Behavior and Willingness to Pay. <i>International Journal of Ecological Economics & Statistics</i> . 21 (P11), 92-106.
41.	2011	Sarker, M. M. R.	Assessment of Arsenic Exposure to Human, Concentrations in Tube Well Water and Urine, and Body Mass Index, <i>International Journal of Environmental Science and Development</i> . 2 (1), 38-44.

40.	2010	Sarker, M. M. R.	Determinants of Arsenicosis Patients' Perception and Social Implications of Arsenic Poisoning through Groundwater in Bangladesh. International Journal of Environmental Research and Public Health. 7(10), 3644-3656.
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National Journals

No.	Year	Authors	Title & Details
39.	2020	Islam, S. S., Sarker, M. M. R. , Akter, M. and Khan, M.	Income, expenditure and ownership of livestock of marginal farmers in the rural and peri-urban areas of Rajshahi. Bangladesh Journal of Science and Technology. 17(1- 4). 67-72.
38.	2020	Islam, S. S., Sarker, M. M. R. , Akter, M. and Khan, M.	Women Empowerment Status in the Decision Making Process of Indigenous People in Rajshahi. Bangladesh Journal of Science and Technology. 17(1- 4), 73-78.
37.	2019	Parvin, M. M. and Sarker, M. M. R.	Profitability analysis of cauliflower growers in Cumilla district of Bangladesh. J. Bangladesh Soc. Agric. Sci. Technol. 16 (1- 4): 83-88.
36.	2018	Begum, T., Sarker, M. M. R. , Nessa M. and Abdullah, T.	Improvement of lifestyle of rural households: values-based holistic approach compared to sole microcredit approach. Journal of the Bangladesh Society for Agricultural Science and Technology. 15(1- 4), 11-16.
35.	2018	Begum, T., Sarker, M. M. R. , Nessa, M. and Abdullah, T.	Impact of agricultural credit and determinants of repayment of farmers in Natore. Bangladesh. Journal of the Bangladesh Society for Agricultural Science and Technology. 15 (1- 4),17-24.
34.	2017	Akter, M., Sarker, M. M. R. , Mukul, A. Z. A. and Rayhan, S. J.	Impact of agricultural credit and determinants of repayment of farmers in Natore, Bangladesh. Journal of the Bangladesh Society for Agricultural Science and Technology. 14 (1- 4), 29-34.
33.	2017	Rahman, M. R., Sarker, M. M. R. , Quayum, M. A. and Latif, M. A.	Profitability analysis and comparative trade advantage of improved varieties of lentil in Bangladesh. Journal of the Bangladesh Society for Agricultural Science and Technology. 14 (1- 4), 59-65.
32.	2016	Sarker, M. S. H., Ghosh, A. K. and Sarker, M. M. R.	Regional Variation of Perceptions' of Vulnerable Women on Agricultural and Environmental Basic Issues. Journal of the Bangladesh Society for Agricultural Science and Technology. 13(1- 4):169-174.

31.	2013	Sarker, M. M. R. , Ghosh, A. K. and Islam, M. S.	Scenario of Extreme Poverty and Food Insecurity of Rural Vulnerable Households. Journal of the Bangladesh Society for Agricultural Science and Technology. 10 (3&4), pp. 5-10.
30.	2008	Sarker, M. M. R.	Determinates of Arsenicosis Patients Treatment Cost in Rural Bangladesh. Bangladesh Journal of Environmental Science. 4(1), pp. 80-83.
29.	2006	Sarker, M. M. R.	Profitability of Integrated Rice-Fish Farming in Bangladesh. Journal of the Bangladesh Society for Agricultural Science and Technology. 3 (3&4), pp. 125-128.
28.	2006	Sarker, M. M. R. , Quayum, M. A., Hossain, M. Z. and Main, M. R. U.	Comparative Economic Analysis of HYV and Hybrid Rice Production in the Selected Areas of Gazipur District. Journal of the Bangladesh Society for Agricultural Science and Technology, 3 (1&2), pp. 25-28.
27.	2005	Main, M.R.U., Karim, M. A., Sarker, M. M. R. , Ali, M. Y. and Chowdhury, K. M. E.	Profitability of Selected Cropping Patterns in Some Selected Areas of Rangpur District. Journal of the Bangladesh Society for Agricultural Science and Technology, 2 (3&4), pp. 73-76.
26.	2005	Sarker, M. M. R. , Akhtar, N. and Main, M. R. U.	Environmental Kuznets U-Curve for Different Countries: An Empirical Analysis. Bangladesh Journal of Environmental Science, 11(1), pp. 177-180.
25.	2005	Akhtar N., Sarker, M. M. R. , Mahbub, M and Hossain, F.	Optimization of Medium Composition for Xylanase Production by Thermomyceslanuginosis. Bangladesh Journal of Agricultural Sciences, 32(1), pp. 1-7.
24.	2004	Quayum, M. A., Sarker, M. M. R. , Rahman, M. S. and Chowdhury, K. M. E.	A Survey on the Socio-Economic Aspects of Rice-Wheat Production System Research at Chuadanga. Bangladesh Journal of Progressive Science and Technology, 2(2), pp. 197-200.
23.	2004	Sarker, M. M. R. , Alam, M. S., S. Islam and Alam, M. M.	Resource Exploitation for Irrigated Boro Rice Cultivation Under Favourable Production Environments. Bangladesh Journal of Agricultural Sciences, 31 (1), pp. 1-7.
22.	2003	Sarker, M. M. R. , Alam, M. S. and Akhtar N.	Pesticide Use in Modern Rice Production: The Issue of Farmers' Health and Environment. Bangladesh Journal of Environmental Science, 1, pp. 77-87.
21.	2003	Tarafder, N. A., Hossain, S. M. M., Hossain, M. Z. and Sarker, M. M. R.	Effect of Intercropping on the Growth and Yield of Edible Podded Pea. Bangladesh Journal of Agricultural Sciences, 30(2), pp. 193-199.
20.	2003	Sarker, M. M. R. , Alam, M. S. and Chowdhury, K. M. E.	Allocation Efficiency in Irrigated Boro Rice Production: The Case of Mymensingh Farms. Bangladesh Journal of Agricultural Sciences, 30 (1), pp. 91-99.

19.	2003	Siddique, M. A. B., Mustafi, B. A. A., Sarker M. M. R. , and Muttaleb, M. A.	Marketing of Boro Paddy by Farmers in Selected Areas of Mymensingh District. Bangladesh Journal of Agricultural Sciences, 30 (1), pp. 15-22.
18.	2002	Sarker, M. M. R. , Mustafi, B. A. A., Siddique, M. A. B. and Hossain M. Z.	Three Decades Growth Scenario and Supply Response of Rice in Bangladesh. Bangladesh Journal of Agricultural Sciences, 29 (1), pp. 151-158.
17.	2001	Quayum, M.A., Sarker, M. M. R. and Mustafi, B. A. A.	Comparative Profitability of Hybrid Rice and BRRI Varieties in some selected Favourable Environments in Bangladesh. Bangladesh Journal of Science and Technology, 3(2), pp. 281-286.
16.	2001	Sarker, M. M. R. , Hossain, M. I. and Quddus, M.A.	Growth Performance and Sub-sectorial Variation of Fish Production in Bangladesh During the Period 1972/73 to 1994/95. Bangladesh Journal of Agricultural Sciences, 28(2), pp. 335-344.

Book Chapters

No.	Year	Authors	Title & Details
15.	2019	Sarker, M. M. R. , and Yamashita, H.	A spatial panel modeling of water and sanitation insecurity and policy implications in South Asia: an evidence from Bangladesh. In Y. N., Araral E. and K. E. Seetha Ram, eds. Water Insecurity and Sanitation in Asia.
14.	2017	Sarker, M. M. R.	Migration Flows in South Asia. In S. Bandyopadhyay, A.Torre, P. Casaca and T. Ponce Dentinho, eds. Regional Cooperation in South Asia: Socio-economic, Spatial, Ecological and Institutional Aspects. pp. 47-68. Berlin: Springer.

Other Publications

No.	Year	Authors	Title & Details
13.	2024	Sarker, M. M. R. , and Akhtar, N.	Open data and digital transformation for way forward to achieve the sustainable development goals in Bangladesh. 15th International Seminar of BJSPSAA, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, February 24, 2024.

12.	2021	Sarker, M. M. R., Ahmad, M. M. And Deb, U.	Arsenic and arsenicosis threat to achieve the sustainable development goals, The Eighth International Congress Arsenic from Nature to Humans, 7-9 June, 2021. Netherlands (Online).
11.	2020	Sarker, M. M. R. and Akhtar, N.	Plant health to accelerate the achieving of the Sustainable Development Goals. 11th International Seminar of BJSPSAA. Rajshahi University, Rajshahi, February 15, 2020.p. 41.
10.	2019	Sarker, M. M. R., and Islam, R. M.	Fertility Trend, District, Divisional and Regional levels Spatial Modeling in Bangladesh. Bangladesh Statistical Association. 17 th National Statistical Conference, July 26-27, 2019. P. 22.
9.	2019	Sarker, M. M. R. and Yamashita, H.	Effectiveness of Holistic Community Development on Households' Well-being and Women Empowerment: Evidence From Panel Data. Population Association of America. 2019 Annual Meeting. Austin, Texas, April 10 – 13, 2019.
8.	2019	Sarker, M. M. R.	Household Food Security, Dietary Diversity and Consumption Status of Rural Vulnerable Peoples: Evidence from Micro Level Survey. 10th International Seminar of BJSPSAA. Sher-e-Bangla Agricultural University, Dhaka. March 16, 2019.pp. 42.
7.	2017	Sarker, M. M. R. and Yamashita, H.	A Spatial Panel Modeling in Health Environment: An Evidence from the Use of Improved Sanitation and Drinking Water Source. 11th World Conference of the Spatial Econometrics Association (SEA), Singapore Management University (SMU), Singapore. June 13-15, 2017.
6.	2016	Sarker, M. M. R. and Yamashita, H.	Spatial Modeling of Poverty and Policy Implications in South Asia: Evidence from Bangladesh. The 63rd Annual North American Meetings of the Regional Science Association International.
5.	2010	Sarker, M. M. R.	Land System Vulnerability and Resilience of Shrimp Farming in the Coastal Zone of Bangladesh. 11 th International Symposium on Environmental Geotechnology and Sustainable Development, 15-18 August, 2010, Beijing, China, p. 255.
4.	2010	Islam, A. B. M. R., Sarker, M. M. R., Ahmed, S. A.	Arsenic exposure to rural population in Bangladesh. The Third International Congress on Arsenic in the Environment, May 17-21, 2010, Tainan, Taiwan, pp. 286-287.
3.	2008	Sarker, M. M. R.	Respondents' Perception and Social Implication of Arsenicosis and Mitigation Technology Adaptation for Arsenic Free Water in Bangladesh. Proceedings of the International Conference on the Second International Congress Arsenic from Nature to Humans, 21-23 May, 2008, Valencia, Spain, p. 363.

2.	2008	Sarker, M. M. R.	Spatial Probit and the Regional Patterns of Arsenic Threat in South Asia: Evidence from Bangladesh. II World Conference of the Spatial Econometrics Association, New York, USA, November 18-19, 2008, pp. 32.
1.	2008	Sarker, M. M. R.	Modeling of Arsenicosis Risks on Family Life and Child Development and Respondents Perception in Rural Bangladesh. 55th Annual North American Meetings of the Regional Science Association International, New York, USA, November 19-22, 2008,

Submitted for Publication

1. 'Determinants and Prediction of farmers' adoption choice of climate-smart agriculture technologies in shrimp farming: Application of Machine Learning-based Algorithms' has been submitted in the Journal of World Development.
2. 'Breaking Barriers: Strategies for Overcoming Constraints Faced by Women-led Small-scale Dairy Farm Entrepreneurs in Rural Bangladesh' has been submitted in Indian Journal of Animal Production and Management.
3. 'Impact of Fintech on Climate- Smart Agriculture Technology Adoption and Productivity in Agriculture: Evidence from Rice and Maize Cultivation' has been submitted in the Journal of Agricultural Finance Review.
4. 'Estimating the productivity of pesticide use in Brinjal and Cauliflower Cultivation in Bogura District' has been submitted in the Journal of Outlook on Agriculture.
5. 'Arsenic and Arsenicosis: Threat to Achieve the Sustainable Development Goals' has been submitted in the Journal of Water, Sanitation and Hygiene for Development.
6. 'Statements on Open Science for Sustainable Development Goals' has been submitted in the Data Science Journal.
7. 'Performance of Aquaculture and women involvement: An evidence from Pabda fish farming in Bangladesh' has been submitted in the Journal of Aquaculture International.

Supervised Post-graduate Students

Ph.D

	Year	University	Thesis Title
1.	Ongoing	Bangladesh University of Professionals	Adoption Impact of Climate Smart Agriculture Technologies in Rice and Wheat Production on Food Security and Nutrition in the Peri-urban and Rural Area in Bangladesh

2.	Ongoing	Bangladesh University of Professionals	Technical Efficiency and Profitability: A Study on Winter Cauliflower and Tomato Cultivation in Selected Areas of Cumilla and Rangpur Districts in Bangladesh
3.	Ongoing	Sher-e-Bangla Agricultural University	Effect of Community Based Dairy Farming on Rural Women's Livelihood

MS

	Year	Department & University	Thesis Title
4.	2023	Agricultural Statistics, SAU	Assessing the Impact of the Old Age Allowance Program within Bangladesh's Social Safety Nets Framework
5.	2022	Agribusiness and Marketing, SAU	Determinants of Dairy Farmers' Income Generation through Cooperative Farming Practice: Evidence from Northern Bangladesh
6.	2021	Agricultural Statistics, SAU	Financial Profitability Analysis and Estimating the Productivity of Bean Production in Some Selected Areas of Mymensingh District
7.	2021	Agricultural Statistics, SAU	Determinants of Pesticide Use and Risk Protective Behaviour in Cauliflower Production
8.	2021	Agribusiness and Marketing, SAU	An Empirical Study on Impact of Covid-19 on Mobile Financial Service and Saving Practices: The Case of Bangladesh
9.	2021	Agricultural Statistics, SAU	Determinants of Pesticide Use in Brinjal Production
10.	2021	Agribusiness and Marketing, SAU	Profitability Analysis of Homestead Vegetables Production in Some Selected Areas of Netrokona District
11.	2021	Agribusiness and Marketing, SAU	A Study on the Engagement of Rural Women in Dwelling Agricultural Activities in Selected Areas of Dhamrai, Dhaka
12.	2021	Agricultural Statistics, SAU	Investigation of the Farm Productivity and Technical Efficiency of Bean Production in Mymensingh District of Bangladesh
13.	2021	Agribusiness and Marketing, SAU	Factors Affecting the Access to credit of Women Entrepreneurs in Some Selected Areas of Dhaka Districts
14.	2021	Development and Poverty Studies, SAU	Determinants of New Technology Adoption in Mango Farming: An evidence from Chittagong Hill Tracts
15.	2021	Agribusiness and Marketing, SAU	Engagement of Rural Women in Dwelling Agricultural Activities

16.	2021	Agricultural Statistics, SAU	A Study on Profitability Analysis of Boro Rice Cultivation in Some Selected Areas of Laxmipur District
17.	2021	Agricultural Economics, SAU	Profitability and Resource Use Efficiency on Maize Production in Some Selected Areas of Chandpur District
18.	2020	Agricultural Statistics, SAU	Profitability and Resource Use Efficiency of Boro Rice BRRI Dhan-28 Production in Some Selected Areas of Chuadanga District in Bangladesh
19.	2020	Development and Poverty Studies, SAU	Livelihood Status of Street Vegetables Vendors in Selected Locations of Dhaka City
20.	2020	Agricultural Statistics, SAU	Impacts of Climate Factors Influencing Rice Production in Bangladesh
21.	2020	Agricultural Economics, SAU	Technical Efficiency of Boro Rice Cultivation in Jamalpur District: An Evidence from BRRI Dhan29
22.	2020	Agricultural Statistics, SAU	A Productivity Analysis with Comparison on Boro Rice and Jute Production in Shibpur Upazilla of Madaripur District
23.	2019	Agricultural Statistics, SAU	An Economic Analysis of Katarivog Rice Cultivation in Parbatipur areas of Dinajpur District
24.	2019	Agricultural Economics, SAU	Profitability and Technical Efficiency Analysis of Potato Production in Some Selected Areas of Munshiganj District in Bangladesh
25.	2018	Development and Poverty Studies, SAU	Profitability of Litchi Cultivation: A Study on Poverty Reduction in Selected Areas of Pabna District
26.	2018	Development and Poverty Studies	Comparative Study of Microcredit Recipients of NGOs and Determinants of Their Perception of Poverty Alleviation
27.	2018	Development and Poverty Studies, SAU	Profitability of Onion Cultivation by the Farmers in Selected Areas of Pabna District in Bangladesh
28.	2018	Agricultural Statistics, SAU	Profitability and Resource Use Efficiency of Boro Rice Production in Some Selected Areas of Chuadanga District in Bangladesh
29.	2018	Agricultural Economics, SAU	Profitability and Technical Efficiency of Boro Rice Production in Some Selected Areas of Panchagarh District in Bangladesh
30.	2016	Development and Poverty Studies, SAU	Profitability and Resource Efficiency of Boro Rice in Sherpur District of Bangladesh
31.	2015	Management and Finance, SAU	Agricultural Credit Structure and Determinants of Credit Repayment in Some Selected Areas of Natore District
32.	2014	Agricultural Statistics, SAU	Household Food Consumption Status and Its Determinants of Some Selected Areas in Bangladesh

Reviewer of the Journals

No.	Name of the Journal
1.	International Journal of Agricultural Sustainability
2.	Asian Research Journal of Agriculture
3.	IGI Global
4.	Journals of Sher-e-Bangla Agricultural University
5.	Bangladesh Journal of Agricultural Sciences
6.	BUP Journal, Bangladesh University of Professionals

Ongoing Research

	Title	Details
1.	Impact of the Adoption of Climate-Smart Agriculture (CSA) Technologies for Rice Production on Food Security in the Haor Area of Sunamganj	Funded by Sher-E-Bangla Agricultural University Research System (SAURES)
2.	Climate Smart Disaster Risk Management Practices for Resilience Building in the Northern Part of Bangladesh	Funded by University Grants Commission (UGC) of Bangladesh

Major Completed Research Projects

International Donor Funded Projects

	Position	Title	Details
1.	Principal Investigator	Determinants and Prediction of farmers' adoption choice of climate-smart agriculture technologies in shrimp farming: Application of Machine Learning-based Algorithms	Japan Society for the Promotion of Science (JSPS), Tokyo, Japan
2.	Principal Investigator	Panel Modeling of Effectiveness of Holistic Community Development on Social Capital Formation and Environmentally Sustainable Farming Practices: New Evidence from a Field	Japan Society for the Promotion of Science (JSPS), Tokyo, Japan

Experiment			
3.	Principal Investigator	Effectiveness of Holistic Community Development on Poverty Alleviation and Sustainable Development : Experimental Evidence from Poorest of the Poor	Graduate School of Frontier Sciences, The University of Tokyo, Japan
4.	Team Leader	Elimination of Extreme Poverty and Food Insecurity through Community Empowerment	Heifer International, Dhaka
5.	Visiting Researcher	District Level Spatial Distribution of Poverty and Policy Implications in Bangladesh	Funded by Institute of Economic Research, Hitotsubashi University, Tokyo, Japan.
6.	Co-Investigator	Validation and Delivery of New Technologies for Increasing the Productivity of Flood-prone Rice Lands of South and Southeast Asia	BRRRI-IRRI Collaborative Project
7.	Social Scientist	Ecology and Management of Rice Hispa in Bangladesh	BRRRI/IRRI/DAE/CARE/NRI/CABI Collaborative Project
8.	Team Member	Rice-Fish Productivity Enhancement in Flood Prone Ecosystem of Bangladesh	ICLARM/BFRI/BRRRI/PROSHIKA Collaborative Project
9.	Team Member	Impact of the 1998 Flood on the Rice Growing Farmers in Some Selected Sites of Bangladesh	BRRRI/IRRI Collaborative Project

Bangladesh Government Funded Projects

	Position	Title and Details
1.	Principal Investigator	Adopting the Accreditation in Higher Education: A Mixed-Method Study among the Private and Public Universities funded by Bangladesh Accreditation Council (BAC)
2.	Principal Investigator	Determinants of farmers' adoption choice of climate smart agriculture (CSA) technologies in shrimp farming" funded by Sher-e-Bangla Agricultural University Research System (SAURES)
3.	Principal Investigator	Estimating the productivity of pesticide use in Brinjal and Tomato Cultivation in Jessore and Bogura Districts funded by Sher-e-Bangla Agricultural University Research System (SAURES)

4.	Project Director	Validation and adoption of climate-smart technologies (CSTs) for increasing the productivity of shrimp farming in the coastal ecosystem funded by Ministry of Science and Technology, Bangladesh
5.	Principal Investigator	Multi-plants modeling to reduce the indoor air pollution and simulation for sustainability analysis: An evidence from randomized experiment of NASA recommended plants funded by Ministry of Science and Technology
6.	Principal Investigator	Impact of Maghna-Dhanagoda Irrigation project on Farmer's Crop Production and their Livelihood pattern
7.	Principal Investigator	Fintech on climate-smart agriculture technology adoption and productivity in agriculture: evidence from rice and maize cultivation
8.	Principal Investigator	Jhum Cultivation Management Practices in Chittagong Hill Tracts
9.	Principal Investigator	Socio-economic and Psychological Consequences of Arsenic Poisoning on the Livelihood Patterns of Rural People in Selected Areas of Chandpur District
10.	Team Member	Economic Data for Geographical Information System
11.	Coordinator	Police Preparedness in Combating Terrorism

Consultancy Experiences

1. Worked as a **National Consultant** assignment entitled "Results-Based Management Technical Assistance to Support PEDP3" funded by ADB/Sida.
2. Worked as a **Consultant** assignment entitled "Verification Survey for Students Residence of Polytechnic Institute under Skills and Training Enhancement Project (STEP)" funded WB.
3. Worked as an **Economist** assignment entitled "Formative Evaluation for Basic Education for the Hard-to Reach Urban Children (BEHTRUC) Project" funded by UNICEF.
4. Worked as an **Economist** assignment entitled "Impact of increased irrigation area and participation of training on income from agriculture" funded by IMED, Bangladesh.
5. Worked as a **Team Member** assignment entitled "Impact Evaluation Study of Second Aquaculture Development Project (RSC No. C10662-BAN)"
6. Worked as an **Economist and Data Analyst** "Impact Evaluation Study on the Strengthening of Fish Inspect and Quality Control Services" funded by IMED, GoB.

Invited Lectures

	Country	Date	Details
1.	Japan	2017	Effectiveness of Holistic Community Development on Sanitation Improvement and Women Empowerment of Self Help Group: Evidence from Panel Data at Environmental Economics and Technology Workshop, Hitotsubashi University.
2.	Japan	2015	Spatial Modeling of Poverty Distribution in South Asia: An Evidence from Bangladesh. Institute of Economic Research, Hitotsubashi University, Tokyo.
3.	Japan	2009	Arsenic Contaminated Ground Water as a Threat for Human Health in South Asia: Evidence from Bangladesh at Okayama University.

Conference/Workshop Attended

	Country	Date	Details
1.	Bangladesh	March 25, 2024	Food Security Cluster Performance Monitoring Validation 2023 and Cluster Work Planning 2024 Workshop
2.	China	August 28 to September 08, 2023	International Training Workshop on Open Science and SDGs
3.	Malawi	June 26 to 30, 2023	8th Agriculture, Nutrition and Health (ANH) Academy Week
4.	Bangladesh	May 27, 2021	Pannelist at “21st National Nutrition Dialogue”
5.	Bangladesh	September 01, 2021	Workshop on “How to Implement the OBE”
6.	USA	April 10 – 13, 2019.	2019 Annual Meeting of Population Association of America
7.	Bangladesh	March 16, 2019.	10th International Seminar of BJSPSAA. Sher-e-Bangla Agricultural University, Dhaka.
8.	Bangladesh	February 17, 2019	10th International Seminar of BJSPSAA, Rajshahi University, Rajshahi
9.	Singapore	June 13-15, 2017	11th World Conference of the Spatial Econometrics Association (SEA), Singapore Management University (SMU), Singapore.
10.	USA	November 9–12, 2016.	63rd Annual North American Meetings of the Regional Science Association International. Minneapolis, MN, USA

11.	China	August 15-18, 2010	11 th International Symposium on Environmental Geotechnology and Sustainable Development
12.	Japan	March 29-30, 2010	Satoru Kano Memorial Publication conference, Hitotsubashi University, Japan.
13.	Japan	October 2-4, 2009	The Comparative Analysis of Enterprise Data (CAED) Conference, in Tokyo, Japan
14.	USA	November 20-22 2008.	55th Annual North American Meetings of the Regional Science Association International, New York, USA
15.	USA	November 18-19, 2008.	II World Conference of the Spatial Econometrics Association, New York, USA
16.	Spain	May 21-23, 2008	The Second International Congress Arsenic from Nature to Humans
17.	Bangladesh	September 29, 2005	Workshop on Bangladesh Country Alamanance (BAC) regarding GIS data based software jointly organize by BAURES, CIMMYT and BARC at Bangladesh Agricultural University, Mymensingh.
18.	Japan	September 12-15, 2005,	The International Conference on Research Highlights and Vanguard Technology on Environmental Engineering in Agricultural Systems, Kanazawa, Japan.
19.	Bangladesh	October 2-4, 2003	Asian Regional Conference on Public-Private Sector Partnership for Promoting Rural Development, Dhaka, Bangladesh.
20.	Bangladesh	December 19-21, 2002	The 2nd International Conference on Bangladesh Environment (ICBEN—2002), Dhaka, Bangladesh.

Training

	Country	Details
1.	Sri Lanka	International training programme on “ANH Academy Training of Trainers (ToT)”, 25 November to 29 November, 2024, Colombo, Sri, Lanka
2.	Bangladesh	Training on “IPC Acute Food Insecurity”, 14-16 March, 2023
3.	Thailand	SANDEE Summer School on “Environmental Economics” at Green University, Thailand
4.	Bangladesh	Diploma training course on “Computer Science & Technology” organized by NOTRAMS, Bogra.
5.	Japan	Training on “Intensive Japanese Language Course” organized by Hitotsubashi University, Tokyo, Japan.
6.	Bangladesh	“Scientific Report Writing Course” at GTI, Mymensingh

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| 7. | Bangladesh | Training course on "Rice Production, Communication and Office Management" at BRRI, Gazipur |
| 8. | Bangladesh | Training course on "MIS Data Capture" at BRRI, Gazipur |
| 9. | Bangladesh | Training course on "Cost and Return Analysis in Agriculture" at GTI, Mymensingh |
| 10. | Bangladesh | Training course on "Marketing Systems Research" at BRRI, Gazipur |
| 11. | Bangladesh | "Foundation Training" course at BARD Comilla |

Computer Skill

- Statistical Packages:** SPSS, STATA, R programming, Machine Learning etc.
- Diploma** in Computer Science and Technology (6 Months Course) at NTRAMS, Bogura.
- Coordinator**, "SPSS Training Course- 2015", Department of Agricultural Statistics, Sher-e-Bangla Agricultural University, Dhaka
- President**, Computer Lab and Certificate Course Management Committee, 2018, Faculty of Agribusiness Management, Sher-e-Bangla Agricultural University, Dhaka
- Associate Member**, Bangladesh Computer Society

Languages and Degree of Proficiency

Langages	Speaking	Reading	Writing
Bengali		Mother tongue	
English	Excellent	Excellent	Excellent
Japanese	Good	Good	Good

Membership of Professional Associations

International

	Membership Status	Details
1.	Country Representative	COSMOS Global Network, Singapore
2.	Member	Global Development Network, Washington DC, USA
3.	Member	Environment, Health and Development Network, UK

4.	Member	International Union for the Scientific Study of Population (IUSSP), Paris, France
5.	Member	Spatial Econometrics Association
6.	Member	Regional Science Association International, USA
7.	Member	Agriculture, Nutrition & Health Academy, UK

Regional

	Membership Status	Details
8.	Member	Asian Population Association
9.	Member	Asian Society of Agricultural Economists (ASAE)
10.	Member	East Asian Economic Association

Bangladesh

	Membership Status	Details
11.	Moderator	SAU Agricultural Economics Students Association (SAUAESA), Dhaka, 2024.
12.	Member of Editorial Board	Journal of Sher-e-Bangla Agricultural University, 2024
13.	Chief Moderator and Founder	ICT and Carrier Development Club, SAU, Dhaka , 2019 to date
14.	President	Sher-e-Bangla Agricultural University Teachers' Welfare Society, 2012-2015
15.	President	Computer Lab and Certificate Course Management Committee, 2018
16.	Member	Bangladesh Food Security Cluster
17.	Member	Research Advisory Committee, Sher-e-Bangla Agricultural University Research System (SAURES) 2014-2016, 2019 to date.
18.	Member	Steering Committee, Implementation, Monitoring and Evaluation Division (IMED), Ministry of Planning, Dhaka, 2018 to 2020.
19.	Member	Technical Committee, Implementation, Monitoring and Evaluation Division (IMED), Ministry of Planning, Dhaka, 2018 to 2020.
20.	Member	Technical and Steering Committee, Social Science Research

Council, Ministry of Planning, Dhaka, 2020 to 2021.

21.	Member	Academic Council, Sher-e-Bangla Agricultural University (SAU) since 2012.
22.	Member	Executive Committee, Faculty of Agribusiness Management, Sher-e-Bangla Agricultural University since 2012.
23.	Member	Executive Committee, Faculty of Agricultural Economics and Rural Sociology, Bangladesh Agricultural University, Mymensingh, 2003-2004 and 2004-2005
24.	Life Member	Bangladesh Agricultural Economist Association
25.	Life Member	Bangladesh Statistical Association
26.	Life Member	Japanese Universities Alumni Association in Bangladesh (JUAAB)
27.	Life Member	Bangladesh JSPS Alumni Association
28.	Member	Bangladesh Agriculturist Association
29.	Member	Bangladesh Economist Association
30.	Member	Bangladesh Association of Scientists and Scientific Professions
31.	Member	BAU teachers' Association, 2002 to 2006
32.	Member	BRRRI Scientist Association, 1999 to 2002
33.	Member	Agriculturist Association of Bangladesh (AAB)
34.	Member	Bangladesh Association for the Advancement of Science (BAAS)
35.	Associate Member	Bangladesh Computer Association

References:

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Certification

"I CERTIFY THAT ALL INFORMATION STATED IN THIS RESUME IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. I AUTHORIZE TO VERIFY THE INFORMATION PROVIDED IN THIS RESUME. "

(Md. Mizanur Rahman Sarker)