

Curriculum Vitae

SHAHRINA AKHTAR, *PhD*

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<https://scholar.google.com/citations?user=SIhxP8AAAAAJ&hl=en>

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ResearchGate: Shahrina Akhtar

Reviewer: PLOS ONE

Areas of Expertise

- *Agricultural and Climate Change R&D:* Extensive experience in research and development for agriculture and climate change, with a focus on advancing sustainable practices, agricultural technology adoption, and climate-resilient solutions.
- *Natural Resource Management:* Skilled in sustainability analysis, natural resource optimization, and environmental impact assessments to enhance agricultural productivity and ecosystem resilience.

Management Skills

- *Project Leadership & Operations:* Proficient in organizing and managing complex agricultural and climate-related R&D projects, encompassing program design, strategic planning, and operational oversight.
- *Stakeholder & Partnership Engagement:* Strong capability in fostering productive relationships with national and international stakeholders, supporting effective team collaboration, and facilitating cross-sector partnerships.
- *Monitoring, Evaluation, and Dissemination:* Expertise in monitoring project progress, evaluating outcomes, and disseminating findings through publications, workshops, and media.

Core Strengths

- *Program Development & Resource Management:* Adept at designing impactful programs, managing budgets, and allocating resources to achieve project goals efficiently.
- *HR and Technical Supervision:* Experienced in guiding teams, supervising technical workflows, and enhancing team capacities for optimal performance.
- *Coordination and Collaboration:* Skilled in liaising with local and international partners, facilitating coordination for cohesive project execution, and driving sustainable outcomes.

Contributions as a resource person: Contributions as a resource person of the Climate Change, Environment and Social Management Plan (ESMP) and Social, Environmental and Climate Assessment Procedures (SECAP).

Student Supervisor: Supervising MS students of Agricultural Universities.

Education: PhD (Agronomy), MS (Crop Botany), MSc (Climate Change and Development), BSc (Agriculture); *details of schooling and certificates/degrees obtained are given in Appendix I.*

Professional Experience:

Organization: Krishi Gobeshona Foundation (KGF), Dhaka, Bangladesh

Designations: Specialist (Technical) & Research Adviser - March 2021 to till date
Technical Officer - November 2015 to February 2021
Program Officer – October 2013 to October 2015

Work Details:

i. *Project management*

- Research Advising: responsible for delivering robust research on a range of high-profile issues.
- Managing, in consultation with the resource scientists, the preparation of contracts and grant letters, equipment purchases, analysis of financial statements, adjustment of budgets and schedules, and project closures;
- Review of final research project reports, and recommendations for follow-up if needed.

ii. *Program development*

- Working with the research project leaders and project reviewers to develop plans and strategies.
- Formulation of Research project Proposals specially on Climate Change and Agriculture in consultation with national and international researchers.

iii. *Monitoring and evaluation*

- Regular Field Monitoring along with desk monitoring and Evaluation and prepare report for follow up.

iv. *Liaison and Collaboration*

- Collaboration with project leaders and other working scientists of NARS institutes, universities and NGOs in the identification and evaluation of emerging and key R&D issues of local and national importance. in a particular region.
- Assistance in developing collaborative research programs with national and international organizations and establishing linkages with similar platforms;
- Working with other KGF officials along with the commercialization of agricultural technologies.

v. *Special Assignments*

- Specially assigned to work with the Committee for preparing KGF organogram and policy document (Administrative, Financial and Operational).
- Assigned desk officer of KGF-BKGET funded Commissioned Research Project “Modeling Climate Change Impact on Agriculture and Developing Mitigation and Adaptation Strategies for Sustaining Agricultural Production in Bangladesh”; two CGP Projects under 4th Call, one Technology Commercialization project “BAU-Bro chicken conservation and piloting their producer-group farming” and Eighteen projects under Lump Sum Grants Program.
- Directly involved with the KGF-BKGET funded all projects under Competitive Grants Program; Commissioned Research Program; Capacity enhancement Program; International Collaborative Program (with ACIAR, CIMMYT & IRRI) and Technology Piloting Program to maintain tracking of all completed, on-going and upcoming projects information for smooth operation of the foundation.
- Responsible to prepare Annual Report of KGF and BKGET and to prepare the Presentation for Annual General Meeting of KGF and BKGET.
- Responsible to ensure technical and logistic support to Channel 24 for the program “কেজিএফ রূপান্তরের কৃষি”

vi. *Dissemination and publication*

- Assisting researchers in writing, editing, and publishing research results.

vii. Preparation of various reports, power point presentation for internal use of KGF and to provide Ministry of Agriculture for ED, KGF. Continuing with the responsibility of Rapporteur for workshops, conferences, seminars along with preparation of the proceedings for the perusal and approval of ED, KGF (as and when instructed by ED, KGF or senior colleagues).

viii. Continuing with the responsibility to support the Executive Director, Krishi Gobeshona Foundation in preparing and maintaining data, information, policy documents, working papers and proceedings for board meetings, AGM and other meetings.

Organization: Robi Axiata Limited (Multinational Company-10 years)

Designation: Specialist of Branch Operations and Support

Duration: October 2010 to September 2013

Designation: Head of AKTEL Customer Relationships Program

Duration: April 2004 to September 2010

Work Details:

Branch operation, coordination, and support, reporting and analysis, Development and implementation of Standard Operating Procedure (SOP), Designing training modules and conducting various training sessions, strategy development for Building strong relationships, retaining and winning back customers.

Professional Growth Efforts and Achievement:

- i. **ACIAR John Dillon Fellowship, 2022**
- ii. **Participated in various in-service training, both national and international workshops, conferences etc.**

Title of Thesis Papers of Researches to fulfill Degrees & Fellowship:

- i. Masters in Crop Botany, 2005: EVALUATION OF SEED VIGOR, CROP PHENOLOGY AND YIELD OF CHICKPEA GENOTYPES
- ii. Doctor of Philosophy in Agronomy, 2020: GENOTYPE AND PLANTING DATE EFFECTS ON PHENOLOGY, GROWTH AND YIELD OF WHITE MAIZE
- iii. MSc in Climate Change and Development: UNDERSTANDING THE MAGNITUDE OF CLIMATE CHANGE ASSOCIATED HEAT STRESS THREATS TO COMMERCIAL LAYER CHICKENS IN BANGLADESH BY USING TEMPERATURE-HUMIDITY INDEX
- iv. John Dillon fellowship of ACIAR: Coordinator of the Project: BRIDGING THE IMPACT GAP FOR SCIENTISTS, FARMERS AND POLICYMAKERS

Publications:

Scientific Papers:

As principal author: 05

a. National: 03

b. International: 02

1. **Akhtar, S.**, J. U. Ahmed, A. Hamid and M. R. Islam. 2010. Evaluation of chickpea (*Cicer arietinum* L.) genotypes for quality seedlings. The Agriculturists, 8 (2): 102-110
2. **Akhtar, S.**, J. U. Ahmed, A. Hamid and M. R. Islam. 2010. Genotypic variability in growth and yield attributes of chickpea (*Cicer arietinum* L.). Bangladesh Agron. J., 13 (1&2): 108-116
3. **Akhtar, S.**, M.J.Ullah. A. Hamid, M.S. Islam and M.K.U. Ahamed. 2021. Growth, phenology and yield of white maize genotypes as influenced by varying sowing dates in rabi season 2016-2017. J. Expt. Biosci. 12(1): 37-48
4. **Akhtar, S.**, M.J. Ullah, A. Hamid, M.S. Islam, M.K.U. Ahamed, and Islam, M.R., 2021. Sowing date effects on

As co-author: 16

a. National: 05

b. International: 11

1. Hamid, A., J. Ullah, A. Hossain, A. Islam, and **S. Akhtar**. 2016. Response of Indigenous Rice Cultivars to Applied Fertilizers in Tidal Floodplain of South-Central Coastal Region of Bangladesh. Academia J. of Agril Res 4(4): 168-175; DOI: 10.15413/ajar.2016.0144; ISSN: 2315-7739
2. Ullah, M.J., M.M. Islam, K. Fatima, M.S. Mahmud., M.S., **S. Akhtar**, J. Rahman and M. Quamruzzaman. 2017. Comparing modern varieties of white maize with landraces in Bangladesh: Phenotypic traits and plant characters. J. Expt.Biosci.8 (1):27-40
3. Ullah, M.J., M.M. Islam, K. Fatima, M.S. Mahmud, .M.S., **S. Akhtar**, J. Rahman and M. Quamruzzaman. 2017. Comparing modern varieties of white maize with landraces in Bangladesh: Ear characters. J.Expt.Biosci.8 (1): 49-58
4. Hossain, M. S., F. Yeasmin, M. M. Rahman, **S. Akhtar** and M. A. Hasnat, 2018. Role of Insect Visits on Cucumber (*Cucumis sativus* L.) Yield. J. Biodivers. Conserv. Bioresour. Manag. 4(2); DOI: <https://doi.org/10.3329/jbcbm.v4i2.39854>
5. Islam, M.R., M. Hasan, N. Akter, and **S. Akhtar**. 2021. Cytokinin and gibberellic acid alleviate the effect of waterlogging in mungbean (*Vigna radiata* L. Wilczek) Journal Clean Was, 5(1): 21-26. DOI: <http://doi.org/10.26480/jcleanwas.01.2021.21.26>
6. Hossain. J. Ahmed, G.U., Rashid, M.M, **Akhtar, S** And Rahman, M M, 2021. Effect of aqua-drugs and chemicals on shrimp health and production in Khulna, Bangladesh. Bangladesh J. Fish. (2021) 33(1): 89-97. DOI: <https://doi.org/10.52168/bjf.2021.33.11>

phenology and yield of white maize genotypes during Kharif season under subtropical environment. *International Journal of Natural and Social Sciences*, 2021, 8(1): 81-90; ISSN: 2313-4461 & 2617-6637

5. **Akhtar, S.**, M.J. Ullah, A. Hamid, M.S. Islam, M.K.U. Ahamed, and M.S. Masum. 2021. Influence of sowing dates on the phenological development, growth, and yield of white maize genotypes (received acceptance letter, will be published in June, 2021)

7. Biswas, J.C., Haque, M.M., Maniruzzaman, M. **Akhtar, Sh.** and Kalra, N., Coastal and Marine Pollution in Bangladesh: Pathways, Hotspots and Adaptation Strategies. *European Journal of Environment and Earth Sciences* (26-34) DOI: <https://doi.org/10.24018/ejgeo.2021.2.4.133>
8. Haque, M. M., Biswas, J. C., Salahin, N., Khairul, M., **Akhter, S.**, Akhtar, S., Maniruzzaman, M., & Shahadat, M. (2022). Tillage systems influence on greenhouse gas emission factor and global warming potential under rice-mustard-rice cropping system. *Archives of Agronomy and Soil Science*, 00(00), 1–16. <https://doi.org/10.1080/03650340.2021.2020758>
9. Biswas, J. C., Haque, M. M., Maniruzzaman, M., **Akhtar, S.**, & Biswas, J. K. (2021). POTASSIUM-BEARING MINERALS IN SOILS OF BANGLADESH: DISTRIBUTION , RELATIONSHIPS WITH POTSSIIUM AVAILABILITY AND RESPONSE OF RICE TO POTASSIUM FERTILIZER. 1(1), 55–70.
10. Biswas, J. C., Haque, M. M., Maniruzzaman, M., **Akhtar, S.**, & Biswas, J. K. (2021). GREENHOUSE GAS EMISSION AND CARBON SEQUESTRATION DURING WHEAT CULTIVATION. 1(1), 71–80.
11. Biswas, J. C., Haque, M. M., Hossain, M. B., Maniruzzaman, M., Zahan, T., Rahman, M. M., Sen, R., Ishtiaque, S., Chaki, A. K., Ahmed, I. M., **Akhtar, S.**, Ahmmed, F., Hossain, M. F., Akhter, S., Kamruzzaman, M., Biswas, J. K., Alsuhaibani, A. M., Gaber, A., & Hossain, A. (2022). Seasonal Variations in Grain Yield, Greenhouse Gas Emissions and Carbon Sequestration for Maize Cultivation in Bangladesh. *Sustainability (Switzerland)*, 14(15), 1–15. <https://doi.org/10.3390/su14159144>
12. Hossain, D., Salam, A., Ahmed, S., Habiba, M. U., **Akhtar, S.**, Islam, M., Hoque, S. A. M., Selim, A. S., & Rahman, M. (2023). Relationship of Meteorological Data with Heat Stress Effect on Dairy Cows of Smallholder Farmers. *Sustainability* **2023**, 15(1), 85; <https://doi.org/10.3390/su15010085>
13. Kubra, K., Mondol, A. H., Ali, M. M., **Akhtar, S.**, Ahmed, A. S. S., Bhuyan, S., Rahman, M., Siddique, A. B., Reza, A., & Islam, T. (2023). Assessment of As, Cr, Cd , and Pb in urban surface water from a subtropical river : contamination, sources, and human health risk. *International Journal of Environmental Analytical Chemistry*, 00(00), 1–21. <https://doi.org/10.1080/03067319.2023.2170232>
14. Islam, M. R., Rahman, M. A., Anik, A. R., Biswas, J. K., **Akhtar, S.**, Uddin, M. N., & Ahmed, S. (2023). The role of minor cereals in food and nutrition security in Bangladesh: constraints to sustainable production. *Food Security*. <https://doi.org/10.1007/s12571-023-01364-6>
15. Mohammad, M., Khadijatul, A., Edris, K., Anwar, A., Mondol, H., & **Akhtar, S.** (2023). Bioaccumulation and sources of metal (loid) s in fish species from a subtropical river in Bangladesh : a public health concern. *Environmental Science and Pollution Research*, 0123456789. <https://doi.org/10.1007/s11356-023-31324-8>
16. Ahmed, A. S. S., Billah, M. M., Ali, M. M., Guo, L., **Akhtar, S.**, Bhuiyan, M. K. A., & Islam, M. S. (2025). Microplastic characterization and factors influencing its abundance in coastal wetlands: Insights from the world’s largest mangrove ecosystem, Sundarbans. *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-025-36044-9>

Book authorship:

1. Kafi, M.A., M.K. Akter, K.J. Roy, K.M. Kamaruddin and **S. Akhtar**. 2019. A Brief Review on Scope and Application of Nanotechnology in Bangladesh Agriculture. Krishi Gobeshona Foundation, Dhaka
2. Islam, M.R.; Rahman, M.A.; Anik, A.R.; **Akhtar, S.**; Biswas, J.K. 2023. Exploring the Status and Potentials of Minor Cereals in Bangladesh, Krishi Gobeshona Foundation, BARC Complex, Dhaka, Bangladesh
3. Islam, A.K.M.A, M.A. Rahman, F. Mostafa and **S. Akhtar**.2024. Handbook of Technologies for Vegetable and Oilseed Crop Production (in Bengali). BAMRAU, Gazipur.

Book chapter authorship:

Ali, M. M.; Ahmed, A.S.S.; Islam, M. S.; **Akhtar, S.**; Rahman, M. M.; 2023. Microplastics in fishes: Occurrence, impacts and future perspectives. Advances in Chemical pollution, environmental management and protection (1st ed., Vol. 22, Issue 3). Elsevier Inc. <https://doi.org/10.1016/bs.apmp.2023.06.012>

Paper in Conferences:

1. Ahmmed, M. H., Nowreen, S., Zzaman, R. U., Sharmin, A., Akhtar, S. (2023) Aquifer Storage and Recovery (ASR) technology for irrigation water supply in coastal Bangladesh. Case studies on 'Climate Change and Health Policy' by The Inter Academy Partnership (IAP), 5-7 September 2023, Strada Costiera 11, 34151, Italy
2. Ahmmed M H, Nowreen S, Moniruzzaman Md., Jamal A. H. M. S. I. M., Zzaman R U, Sharmin A, Akhtar S (2023) Effectiveness of Aquifer Storage and Recovery (ASR) Technique in Southwestern Coastal Bangladesh, 9th International Conference on Water and Flood Management-ICWFM 2023, 14-16 October 2023, Dhaka, Bangladesh.
3. Ahmmed, M. H., Nowreen, S., Sharmin, A., Zzaman, R. U., Akhtar, S. (2022). An investigation of the existing managed aquifer recharge (MAR) systems in southwestern coastal Bangladesh as drinking and irrigation water supply solution. IPWE-2023, Dhaka, Bangladesh and Reston, VA, USA, January 4-6, 2023, 69.

Popular articles:

1. Facing climate change: Improving adaptation and building resilience, [dhakatribune.com](https://www.dhakatribune.com), published on 12 February 2022
2. কৃষিতে জলবায়ু পরিবর্তনের প্রভাব, [দৈনিক জনকণ্ঠ || কৃষিতে জলবায়ু পরিবর্তনের প্রভাব \(dailyjanakantha.com\)](https://www.dailyjanakantha.com); Published on April 9, 2022
3. কৃষিতে জলবায়ু পরিবর্তনের প্রভাব মোকাবিলায় কাজ করছে কেজিএফ, [কৃষিতে জলবায়ু পরিবর্তনের প্রভাব মোকাবিলায় কাজ করছে কেজিএফ \(jaijaidinbd.com\)](https://www.jaijaidinbd.com); Published on April 10, 2022
4. Krishi Gobeshona Foundation Addressing Effects of Climate Change on Agriculture [Krishi Gobeshona Foundation Addressing Effects of Climate Change on Agriculture | Print Version \(daily-sun.com\)](https://www.daily-sun.com); Published on June 4, 2022
5. KGF Addressing Effects of Climate Change on Agriculture; [KGF Addressing the Effects of Climate Change on Agriculture | The Asian Age Online, Bangladesh \(dailyasianage.com\)](https://www.dailyasianage.com); Published on June 11, 2022.
6. Krishi Gobeshona Foundation Addressing Policy Research [আকুইফার স্টোরেজ আন্ড রিকভারি \(protidinrangbad.com\)](https://www.protidinrangbad.com); Published on September 25, 2022.
7. Krishi Gobeshona Foundation Addressing Policy Research: New hope to solve irrigation problems in Bangla; Published on September 26, 2022 in Daily [দৈনিক বাংলা](https://www.daily-bangla.com).
8. New Hope to Solve Irrigation Problems in Bangladesh: [New Hope to Solve Irrigation Problems in Bangladesh | Print Version \(daily-sun.com\)](https://www.daily-sun.com) ; Published on December 22, 2022 in daily sun.
9. পতিত জমিতে স্বাদু পানি ব্যবহার করে বোরো আবাদ: [দৈনিক জনকণ্ঠ | পতিত জমিতে স্বাদু পানি ব্যবহার করে বোরো আবাদ \(dailyjanakantha.com\)](https://www.dailyjanakantha.com); Published on April 08, 2023
10. দক্ষিণাঞ্চলের পতিত জমিতে স্বাদু পানি ব্যবহারে ধান উৎপাদন বৃদ্ধি সম্ভব: [দৈনিক যায়যায়দিন দক্ষিণাঞ্চলের পতিত জমিতে স্বাদু পানি ব্যবহারে ধান উৎপাদন বৃদ্ধি সম্ভব \(jaijaidinbd.com\)](https://www.jaijaidinbd.com); Published on April 09, 2023
11. How to make our agriculture adapt to climate change: Published on September 16, 2024 in Daily Observer, [How to make our agriculture adapt to climate change](https://www.dailyobserverbd.com)
12. Significant success in our beekeeping industry: Published on October 8, Tuesday, 2024 in Daily Observer, [Significant success in our beekeeping industry \(observerbd.com\)](https://www.dailyobserverbd.com)
13. 4IR to revolutionise our rice cultivation, Published on October 9, 2024, Wednesday in Daily Observer [4IR to revolutionise our rice cultivation \(observerbd.com\)](https://www.dailyobserverbd.com)
14. Climate-resilient crops now in Charlands, Published on October 11, 2024, Friday, in Daily Observer [Climate-resilient crops now in charlands \(observerbd.com\)](https://www.dailyobserverbd.com)

15. Acute microplastic pollution in our rivers, Published on October 13, 2024, Sunday in Daily observer [Acute microplastic pollution in our rivers \(observerbd.com\)](#)
16. Climate-resilient watermelon to change coastal farming, Published on October 18, 2024, Friday in Daily observer [Climate-resilient watermelon to change coastal farming \(observerbd.com\)](#)
17. Bangladesh's notable achievements in fisheries sector thru innovations , Published in October 20, 2024, Sunday in The Daily Observer [Bangladesh's notable achievements in fisheries sector thru innovations.](#)
18. Bee-keeping in Bangladesh: Milestones Achieved and Pathways for Future; Published in October 23, 2024; Wednesday in Daily Sun; [Bee-keeping in Bangladesh: Milestones Achieved and Pathways for Future](#)
19. Beekeeping in Bangladesh: From Tradition to Enterprise, Published in October 27, 2024, Sunday in the Daily Asian Age, [E-Daily Asian Age.](#)
20. COP29 platform for Dhaka to focus on its preps in climate resilience, Published in October 29, 2024, Tuesday in the Daily Observer, [COP29 platform for Dhaka to focus on its preps in climate resilience](#)
21. Resilient Soybean Revolution for Coastal Agriculture in Bangladesh, Published in October 31, 2024, Thursday in Daily Asian Age, [Resilient Soybean Revolution for Coastal Agriculture in Bangladesh | The Asian Age Online, Bangladesh.](#)
22. Bangladesh's NDC achievements to reduce GHG conspicuous, Published in November 2, 2024, Saturday in Daily Observer, [Bangladesh's NDC achievements to reduce GHG conspicuous.](#)
23. Bangladesh's Resilience Blueprint at COP29, Published in November 4, 2024, Monday in the daily Asian Age, [Bangladesh's Resilience Blueprint at COP29 | The Asian Age Online, Bangladesh.](#)
24. Empowering Agriculture through Climate Finance and Climate Justice for Resilient Future, Published in November 9, 2024, Saturday in the daily Asian Age; [https://dailyasianage.com/news/329835/empowering-agriculture-through-climate-finance-and-climate-justice-for-resilient-future.](https://dailyasianage.com/news/329835/empowering-agriculture-through-climate-finance-and-climate-justice-for-resilient-future)
25. Gender-responsive pathways must be focused in our agriculture, Published in November 13, 2024, Tuesday in Daily Observer, [Gender-responsive pathways must be focused in our agriculture.](#)
26. What Bangladesh expects from COP29 summit, published in, November 14, 2024, Thursday in the daily Observer, [What Bangladesh expects from COP29 summit.](#)
27. Harnessing AI for Climate Resilience in Bangladesh, Published in November 9, 2024, Saturday in the daily Asian Age; [https://dailyasianage.com/news/330048/harnessing-ai-for-climate-resilience-in-bangladesh.](https://dailyasianage.com/news/330048/harnessing-ai-for-climate-resilience-in-bangladesh)
28. Prof Yunus's 'Three-Zero' vision at COP29, Published in November 21, 2024, Thursday in the daily Observer; [Prof Yunus's 'Three-Zero' vision at COP29.](#)
29. A Global Leader in Climate Justice and Resilience, Published in November 21, 2024, Thursday in the daily Asian Age; [A Global Leader in Climate Justice and Resilience | The Asian Age Online, Bangladesh.](#)
30. Bangladesh at COP29: Gains, challenges, and lingering frustrations, Published in November 23, 2024, Thursday in the daily Observer; [Bangladesh at COP29: Gains, challenges, and lingering frustrations.](#)
31. Solutions to plastic pollution in our rivers, Published on, November 27, 2024, Wednesday in the daily Observer; [Solutions to plastic pollution in our rivers.](#)
32. Bangladesh at the Heart of Migration and Displacement Challenges in South Asia, Published in November 27, 2024, Wednesday in the daily Asian Age; [Bangladesh at the Heart of Migration and Displacement Challenges in South Asia | The Asian Age Online, Bangladesh.](#)
33. Use of nanotechnology could revolutionise our agriculture; Published in November 28, 2024, Thursday in the daily Observer; [Use of nanotechnology could revolutionise our agriculture.](#)
34. Agriculture startups in Bangladesh: Cultivating innovation and growth; Published in November 29, 2024, Friday in the daily Observer; [Agriculture startups in Bangladesh: Cultivating innovation and growth.](#)

35. Revolutionizing Bangladesh's Aquaculture: The Power of Data and Emerging Technologies, Published in the daily Asian Age, Sunday, 01 December 2024; <https://dailyasianage.com/news/330809/the-power-of-data-and-emerging--technologies> .
36. Emissions to Sequestration: Bangladesh's Green Agriculture; Published in the daily Asian Age, Tuesday, 03 December 2024; [Bangladesh's Green Agriculture | The Asian Age Online, Bangladesh.](#)
37. Major challenges for our blue economy; Published in December 4, 2024, Wednesday in the daily Observer; [Major challenges for our blue economy.](#)
38. Shaping the Mushroom Industry in Bangladesh; Published in the daily Asian Age, Tuesday, 10 December 2024; <https://dailyasianage.com/news/331267/shaping-the-mushroom-industry-in-bangladesh>.
39. Bioremediation can clean our environment naturally, Published in December 12, 2024, Thursday in the daily Observer; [Bioremediation can clean our environment naturally.](#)
40. From Footprints to Net-Zero: Bangladesh's Sustainable Journey, Published in the daily Asian Age, Thursday, 12 December 2024; <https://dailyasianage.com/news/331367/bangladeshs-sustainable-journey>.
41. Building Resilience Through Climate Risk Insurance; Securing Bangladesh's Future; Published in the daily Asian Age, Wednesday 25 December 2024; [Securing Bangladesh's Future | The Asian Age Online, Bangladesh.](#)
42. Adapting Bangladesh's Agriculture for a Climate-Ready New Year; Published in the daily Asian Age, Friday 3 January 2025; <https://dailyasianage.com/news/332410/adapting-bangladeshs-agriculture-for-a-climate-ready-new-year>
43. জলবায়ু পরিবর্তনের সঙ্গে অভিযোজন : বাংলাদেশের কৌশল ; [জলবায়ু পরিবর্তনের সঙ্গে অভিযোজন : বাংলাদেশের কৌশল : সংবাদ অনলাইন](#) ১৮.০২.২০২৫ মঙ্গলবার
44. Bridging Up Language, Agriculture and Climate Resilience; Published in the daily Asian Age, Friday 21 February, 2025; <https://dailyasianage.com/news/334431/bridging-up-language-agriculture--and-climate-resilience>
45. দেশের কৃষিতে এল নিনোর প্রভাব; জনকণ্ঠ: ২২ ফেব্রুয়ারি ২০২৫; শনিবার; <https://www.dailyjanakantha.com/opinion/news/775257>
46. এল নিনো: দেশের কৃষির চ্যালেঞ্জ ও করণীয় ; সংবাদ: শনিবার, ০১ মার্চ ২০২৫; <https://sangbad.net.bd/opinion/post-editorial/2025/136451/>
47. কৃষি ব্যবস্থাপনায় নারীর অগ্রযাত্রা; জনকণ্ঠ, শনিবার, ৮ মার্চ ২০২৫; [কৃষি ব্যবস্থাপনায় নারীর অগ্রযাত্রা.](#)
48. The Power of Women in Building Climate-Resilient Food Systems; Published in the daily Asian Age, Saturday 08 March, 2025; [The Power of Women in Building Climate-Resilient Food Systems | The Asian Age Online, Bangladesh.](#)
49. Fields to Feasts: Climate Challenges and Ramadan Traditions; Published in the daily Asian Age, Friday 04 April, 2025; <https://dailyasianage.com/news/335890/fields-to-feasts-climate-challenges--and-ramadan-traditions> .
50. Climate Patterns Redefining Farming Futures, Published in the Daily Observer; Friday; 11 April 2025; <https://www.observerbd.com/news/520407>.
51. DNA of Resilience Powering Bangladesh Agriculture Through Biotechnology; Published in the Daily Asian Age; Friday; 11.04.2025; Link: <https://dailyasianage.com/.../dna-of-resilience-powering...>
52. জলবায়ুর নতুন ছকে বদলে যাচ্ছে কৃষির ভবিষ্যৎ; দৈনিক সংবাদ- পৃষ্ঠা-৬; ১২.০৪.২০২৫- শনিবার; Link: <https://sangbad.net.bd/opinion/post-editorial/2025/140982/>

53. From Baku to Belém: Global Climate Finance and Bangladesh's Expectation; Published in Daily Sun; Wednesday, 16 April, 2025; <https://www.daily-sun.com/printversion/details/800526>.
54. Bangladesh faces huge fund shortage to adapt to climate change; Published in Daily Observer; Thursday 17 April, 2025; <https://www.observerbd.com/news/521231>.
55. No Planet B: Earth Day Through The Eyes of Bangladesh's Farmers; Published in Daily Asian Age; Wednesday, 23 April, 2025; <https://dailyasianage.com/news/336718/no-planet-b-earth-day-through-the-eyes-of-bangladeshs-farmers>.
56. Beyond The Race: Rethinking Parenting in A Success-Obsessed Society; Published in Daily Asian Age; Monday, 28 April, 2025; <https://dailyasianage.com/news/336987/beyond-the-race-rethinking-parenting-in-a-success-obsessed-society>.
57. Jobs scarce for our agriculture graduates; Published in Daily Observer; Tuesday, 29 April, 2025; [Jobs scarce for our agriculture graduates](#).
58. Bangladesh's Farming Crisis Calling for Policy Reform; Published in Daily Sun; Wednesday, 30 April, 2025; [Bangladesh's Farming Crisis Calling for Policy Reform](#).
59. Rice Procurement Promises and Broken Dreams; Published in Daily Sun; Wednesday, 07 May, 2025; [Rice Procurement Promises and Broken Dreams](#).
60. Fields on the Frontline: A National Call for a Climate-Agriculture Compact in Bangladesh; Published in Daily Asian Age; Tuesday, 13 May, 2025; <https://dailyasianage.com/news/337668/fields-on-the-frontline-a-national-call-for-a-climate-agriculture-compact-in-bangladesh>.
61. AgriTech Revolution: Transforming Agriculture with Data and Innovation; Published in Daily Sun; Wednesday; 21 May 2025; <https://www.daily-sun.com/printversion/details/805982>.
62. Our farmers are leading the fight against climate change; Published in The Daily Star; Saturday; 24 May 2025; <https://www.thedailystar.net/opinion/views/news/our-farmers-are-leading-the-fight-against-climate-change-3902056>.
63. Significant progress in our agricultural research; Published in The Daily Observer; 28 May, 2025; Wednesday; [Significant progress in our agricultural research](#).
64. Eid-UI-Azha 2025: A Festival of Faith, Farmers and The Future; Published in The Daily Asian Age, 29 May 2025; Thursday; <https://dailyasianage.com/news/338497/eid-ul-azha-2025-a-festival-of-faith--farmers-and-the-future>.
65. Building an Inclusive Green Finance Ecosystem in Bangladesh; Published in The Daily Sun; Friday; 30 May 2025; <https://www.daily-sun.com/printversion/details/807401>.

Papers presented at seminars/symposia/workshops:

1. A paper on “Bridging the impact gap for scientists, farmers and policymakers” presented at John Dillon Fellowship Bangladesh In-Country Workshop on November 15, 2022
2. A paper on “Applied biotechnology in food and nutrition--A case study of Bangladesh)” presented at the Food Biotechnology Training Course for Developing Countries at CAS-TWAS CoEBio, Beijing, China on November 30, 2015.
3. A paper on “Coastal zone management for crop cultivation” presented at the Meeting of Indian Ocean Rim Climate Change Adaptation Officials at Chennai, India on April 03, 2014
4. Represent Bangladesh and participated in the conference of CGIAR (Consultative Group for International Agricultural Research) "From research to impact: Towards just and resilient agri-food systems" to be held from 9 to 12 October 2023 at the ICAR Convention Centre, NASC Complex, New Delhi, India and presented A paper on “Contributions of Women in the Agriculture Sector of Bangladesh”.

Working Languages:

Bangla – Native; English – Fluent; and Hindi – Intermediate (spoken only)

Training Received:

In-country:				
	<u>Name of Training</u>	<u>Duration (Days)</u>	<u>Institution & Country</u>	<u>Grade/Certificate/Diploma</u>
i.	Short Course “COP26 Climate Negotiations”.	12 days (Oct 31 - Nov 11, 2021)	ICCCAD (International Center for Climate Change and Development)	Certificate
ii	Training on “Monitoring and Evaluation for Evidence-Based Decision Making”	7 days (Jan 26 –Jan 31, 2018)	Funded by KGF BARC Training Room, Dhaka, Bangladesh	Certificate
iii.	Training on GIS and Remote Sensing in Crop Production and Natural Resources Management	7 days	Funded by KGF BRAC CDM, Savar, Dhaka	Certificate
iv.	“Hands on training on GIS & Remote Sensing”	8 days (Nov 2-9, 2014)	Funded by KGF BRAC CDM, Savar, Dhaka	Certificate
v.	“Project Management”	2 days	Funded by Robi Axiata Limited, Bangladesh	Certificate
vi.	Training on “Basic Microsoft Office”	7 days	Funded by Robi Axiata Limited, Bangladesh	Certificate
vii	Training on "Customer Service and Service Excellence”	2 days	Funded by Robi Axiata Limited, Bangladesh	Certificate
viii.	Training on "Protocol, Etiquette and Articulation"	2 days	Funded by Robi Axiata Limited, Bangladesh	Certificate
ix	Training on “Advanced MS Excel, MS Access, MS. Power Point, MS Project, Macromedia Flash”	3 months	Organized by Mantrust Software & Multimedia Systems Ltd. Dhaka	Certificate
x.	Training on "Customer Care in Action"	7 days	provided by TRACK Training International, Center for Developing Management Excellence Dhaka, Bangladesh	Certificate

xi.	Training on “7 Habits for Highly Effective People”	7 days	organized by Continuing Education Center (CEC), Dhaka	Certificate
xii.	Training on “Communication Skills for Front Line People”	2 days	organized by TRACK Training International, Center for Developing Management Excellence	Certificate
xiii.	Training on “Team Building”	2 days	organized by Telekom Malaysia Berhad Group	Certificate
xiv.	Training on “Time Management”	2 days	organized by Telekom Malaysia Berhad Group.	Certificate
xv.	Training on “12 Secrets of Success”	2 days	organized by Telekom Malaysia Berhad Group.	Certificate
Overseas:				
i	Indian Ocean Rim Climate Change Adaptation Workshop	5 Days (March 30-April 4, 2014)	CSIRO Chennai, India 2014	Certificate
ii.	3rd International Training Course on Frontiers in Animal Ecology and Conservation Biology	10 (29 August - 7 September 2016)	CAS-TWAS Centre of Excellence for Biotechnology, Institute of Microbiology Chinese Academy of Sciences, Beijing, China	Certificate
iii.	Food technology Training Course for Developing Countries	2015	CAS-TWAS Centre of Excellence for Biotechnology, Institute of Microbiology Chinese Academy of Sciences, Beijing, China	Certificate
iv.	John Dillon Fellowship (JDF) Program, ACIAR (cohort of 15 Bangladeshi scientists, researchers, and economists participated in the program to enhance their leadership and management skills)	4 Months (Sep to Dec, 2022)	4 Months Training program (20-days professional development training and study tour took place in Australia on September 2022 and project implementation activities run for 4 months and submitted the report on 18 th Jan 2023)	Certificate
v.	ACIAR South Asia and Pakistan Alumni Partnership Brokering & Leadership Training	4 Days (25-28 Sep 2023)	Partnership Brokering and Collaborative Leadership Training organized by ACIAR in Kandy, Sri Lanka from 25-28 Sep 2023	

Contributions as a resource person

Sl.	Title of Training	Topic Covered	Trainee	Number of Batch	date
1.	High Value Crops Production and Community Based safe Food Processing under SACP Project	1. Climate Change, Adaptation, Mitigation and Livelihood of Bangladesh	Sub-Assistant Agriculture officer (SAAO), from 30 Upazillas of coastal belt of BD	5	19.01.2023 16.01.2023 21.01.2023 25.01.2023 29.01.2023
2.	High Value Crops Production and Community Based safe Food Processing under SACP Project	2. Environment and Social Management Plan (ESMP) Purpose and Key Components.	Sub-Assistant Agriculture officer (SAAO), from 30 Upazillas of coastal belt of BD	5	-Do-

3.	High Value Crops Production and Community Based safe Food Processing under SACP Project	3. Social, environmental and Climate Assessment Procedure (SECAP) Framework, its process for managing risks and impacts.	Sub-Assistant Agriculture officer (SAAO), from 30 Upazillas of coastal belt of BD	5	-Do-
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TV personality as Agriculture & Climate Change expert

Moderator of regular weekly Live TV show on “Solutions of Agriculture related questions/problems (কৃষি জিজ্ঞাসা ও পরামর্শ)” in Channel Nine, BD till March 2024 and hosted 20 episodes.

Awards

Got nomination for the bti The Daily Star STELLAR WOMAN Award, 2023 (Stood Second)

Appendix-I

Applicant's Information			
Name of applicant:	Shahrina Akhtar		
Father's Name:	Abdus Sukur		
Mother's Name:	Luthfunnessa Begum		
Mailing address with contact no:	Flat # 8C, House # 16 Sher e Bangla Road, Mohammadpur Dhaka-1207 Phone +8801819210228 (cell)		
Permanent Address:	Bheola Manik Char Chakaria, Cox's Bazar Bangladesh		
Date of Birth:	1 st January 1977		
Age on 1/10/2024:	47 years 9 months		
Nationality:	Bangladeshi		
Religion:	Islam (Sunni)		
Memberships in professional societies:	Krishibid Institute of Bangladesh (KIB), Bangladesh Bangladesh Society of Agronomy (BSA), Bangladesh Ecological Society of Bangladesh (Life member) Weed Science Society of Bangladesh (WSSBD), Bangladesh Agronomy Alumni Association of SAU (AAAS), Bangladesh Alumni of Bangladesh Agricultural University (BAU), Bangladesh Alumni of ACIAR, Australia		
Professional Engagement:	ACIAR John Dillon Fellow 2022		
Academic qualifications:			
School/college/university attended	Degree	Year	Division/class/grade obtained
Sher-e-Bangla Agricultural University, Dhaka	PhD in Agronomy	2018 (result published on 2020)	CGPA: 3.91 (on a scale 4.0)
Independent University, Bangladesh (IUB), Dhaka	MSc in Climate Change and Development	Completed on March 2022	CGPA: 3.98 (on a scale 4.0)
BSMRAU, Gazipur	MS in Crop Botany	2004 (Result published on 2005)	3.56 (on a scale 4.0)
BAU, Mymensingh	BSc in Agriculture	1997 (Result published on 2001)	1 st Class (position 32 out of 426 students)
Holy Cross College, Dhaka	HSC	1993	1 st Division* (percentage 78.1%)
Holy Cross School, Dhaka	SSC	1991	1 st Division (percentage 72.9%)