

Dr. Mohammad Zahangeer Alam



Department of Environmental Science
Faculty of Agriculture
Gazipur Agricultural University (GAU), Gazipur-1706, Bangladesh.
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April 2026

Appointment

Professor, Department of Environmental Science, Faculty of Agriculture, Gazipur Agricultural University (GAU), Gazipur-1706, Bangladesh.

➤ Responsibilities: 60% research, 30% teaching, and 10% administrative.

Faculty Specialization/ Research Interest

My research focuses on sustainable farming systems to enhance global food security, with a primary emphasis on mycorrhiza, an ancient plant–fungal symbiosis that facilitates nutrient uptake and increases plant tolerance to drought, salinity, and soil toxicity. I examine the functional roles of arbuscular mycorrhizal fungi in improving crop performance and ecological resilience.

My other research interests include water quality, biodiversity, land use and land cover (LULC), turfgrass management, and ecosystem services.

Education

- Completed in 2019-20 Ph.D. in Soil Science, Department of Crop and Soil Sciences, Washington State University (WSU), USA and Department of Soil Science, Bangladesh Agricultural University (BAU), Mymensingh; (Joint/Collaborative Program), Dr. Lynne Carpenter-Boggs, Dr. Rebecca J. McGee (USDA-ARS), Dr. Tarah S. Sullivan (WSU-USA) and Dr. Md. Anamul Hoque, (Bangladesh). ***Dissertation title: Arsenic uptake and mitigation in lentil, mung bean, and pea using mycorrhizal fungi***
- 2013 Fall-2014 Spring Advanced Graduate Study (Ph.D.) Preparation Course (**1-year course**), Intensive American Language Center (IALC), **Washington State University (WSU)**, Pullman, WA, USA. (**CGPA 3.61**), (**Major: Research methodology/writing/critique/seminar presentation/debate**)
- 2006 M.S. in Environmental Science (**1-year coursework and 6 months' research**), Bangladesh Agricultural University (BAU), Mymensingh-2202. **Grade: A** (CGPA 3.83), Advisor: Professor Dr. M. A. Sattar. ***Thesis title: Study of wetland resources in the Bhaluka region of Mymensingh in Bangladesh***
- 2004 Bachelor of Science (BS) in Agriculture (**4-year course**), Bangladesh Agricultural University (BAU), Mymensingh-2202. Status: **First class**
- 1998 Higher Secondary Certificate (HSC) (**2-year course**), Science Group, Dhaka Board, Bangladesh. Status: **First Division**
- 1996 Secondary School Certificate (SSC) (**10-year course**), Science Group, Dhaka Board, Bangladesh. Status: **First Division.**

Professional/ Academic Positions

- January 2023- Present **Professor**, Department of Environmental Science, Faculty of Agriculture, Gazipur Agricultural University (GAU), Gazipur-1706, Bangladesh
- January 2019- January 2023 **Associate Professor**, Department of Environmental Science, Faculty of Agriculture, BSMRAU, Gazipur-1706, Bangladesh
- July 2013-January 2019 **Assistant Professor**, Department of Environmental Science, BSMRAU, Gazipur-1706, Bangladesh
- August 2014 - April 2015 **Assistant Professor**, Department of Bioenvironmental Science, BSMRAU, Gazipur-1706, Bangladesh
- May 2014 - August 2014 **Graduate Research Assistant**, Department of Crop and Soil Sciences, Washington State University (WSU), Pullman, WA, USA.
- August 2013 - April 2014 **Technical Assistant-2**, Department of Crop and Soil Sciences, Washington State University (WSU), Pullman, WA, USA.
- July 2013 - August 2014 **Assistant Professor**, Department of Bioenvironmental Science, BSMRAU, Gazipur-1706, Bangladesh.
- July 2012–June 2013 **Lecturer**, Department of Bioenvironmental Science, Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur-1706, Bangladesh.
- April 2010- June 2012 **Scientific Officer**, Entomology Division, Bangladesh Rice Research Institute (BRRI), Gazipur-1701, Bangladesh
- Nov 2007-March 2010 **Agricultural Specialist (Turf), KGC**, Dhaka Cantonment, Bangladesh.
- July 2004-June 2007 **Research Associate**, Project on “Lead (Pb) Contamination in Soil Environment at Four Metropolitan Cities of Bangladesh” under Ministry of Science and Technology-Dhaka, Bangladesh.

Publications (51): (Total impact factor 80⁺, Citation 1583, h-index 20 and i10-index 25) (April 2026) – Alam, M. Z. indicate me &* indicate the corresponding author

- Talukder, Md. R., Bappy, N. A. H., Haque, Md. M., Molla, Md. A. H., Alam, M. Z., Mosharaf, Md. K., ... Rafiquzzaman, S. M. (2025). Fluctuation of ambient day-night temperature influences morphological traits, floral characters, fruit yield and quality of summer tomato genotypes grown in hydroponics. *New Zealand Journal of Crop and Horticultural Science*, 1–24. <https://doi.org/10.1080/01140671.2025.2504209> (**Scopus & PubMed Indexed; Impact factor 1.26; Taylor & Francis**)
- Alam, M. Z*, Ferdous, J., Abdullah, H. M., Choudhury, M., Hossain, B., et al. (2025). Conservation of Biodiversity in the Riverine Wetland Ecosystem. *International Journal of Environmental Sciences & Natural Resources*, 34(5), 5564046. <https://doi.org/10.19080/IJESNR.2025.35.556406> (**Impact Factor 2.034**).
- Alam, M. Z*, & Roy, M. D. (2024). The reduction of abiotic stress in food crops through climate-smart mycorrhiza-enriched biofertilizer. *Aims Microbiology*, 10(3), 674-693 doi: 10.3934/microbiol.2024031 (**Impact Factor 2.70**)
- Alam, M. Z*, Choudhury, T. R., & Mridha, M.A.U. (2023). Arbuscular Mycorrhizal Fungi Enhance Biomass Growth, Mineral Content, and Antioxidant Activity in Tomato Plants under Drought Stress. *Journal of Food Quality*, vol. 2023, Article ID 2581608, 14 pages, <https://doi.org/10.1155/2023/2581608> (**Wiley and Hindawi- USA**) (**Impact Factor 3.21**).

- Alam, M. Z.**, Kayes, E., Talukder, M., & Choudhury, M. (2024). Reduction of arsenic uptake in lentil through arbuscular mycorrhizal fungi. *Ann. Bangladesh Agric.* 27, 27-42 (**Indexed Journal**) <https://doi.org/10.3329/aba.v27i1.70896>
- Ahmed, S. M., Abdullah, H. M., Rahman, A., & **Alam, M. Z.** (2023). Long-term quantification of pre and post-monsoon surface water area of Bangladesh. *Remote Sensing Applications: Society and Environment*, 32, 101069, ISSN 2352-9385, <https://doi.org/10.1016/j.rsase.2023.101069>. (**ELSEVIER-Impact Factor 4.7**).
- Alam, M. Z***, Hoque, M. A., & Carpenter-Boggs, L. (2022). Mycorrhizal fungi, biochar, and selenium increase biomass of *Vigna radiata* and reduce arsenic uptake. *Toxicological & Environmental Chemistry*, DOI: [10.1080/02772248.2022.2028790](https://doi.org/10.1080/02772248.2022.2028790) (**Scopus & PubMed Indexed; Impact factor 1.56; Taylor & Francis**)
- Alam, M. S., Hasan, M. N., Maowa, Z., Khatun, F., Nazir, K. H. M. N. H., & **Alam, M. Z.** (2023). N-acetylcysteine reduces severity and mortality in COVID-19 patients: systematic review and meta-analysis. *J Adv Vet Anim Res.*, 10(2), 157–168. <http://doi.org/10.5455/javar.2023.j665> (**Impact factor 1.4; Scopus and PubMed indexed**)
- Alam, M. Z***, Bhuiyan, M.A.B., Abdullah, H. M., Ghosh, S.R., Hassan, M. M., Akter, R., Rokonzaman, M., & Alam, M. S. (2021). Changes of Land Use and Land Cover with the Diversity of Fishes, Aquatic Plants, and Bird's Species at Wetland Ecosystem. *The Scientific World Journal*, 7533119, 15. <https://doi.org/10.1155/2021/7533119> (**Scopus & PubMed Indexed**)
- Bhuiyan, M.A.B., Islam, S.M.N., Bukhari, M.A.I., Kader, M.A., Chowdhury, M.Z.H., **Alam, M.Z.**, Abdullah, H.M., & Jenny, F. (2021). First Report of *Pestalotiopsis microspora* Causing Leaf Blight of Banana in Bangladesh. *Plant Dis.* <https://doi.org/10.1094/PDIS-05-21-1120-PDN> (**Plant disease; American Phytopathological Society (APS); Impact factor 4.438**).
- Alam, M. Z***, Carpenter-Boggs, L., Hoque, M. A., & Ahammed, G. J. (2020). Effect of soil amendments on antioxidant activity and photosynthetic pigments in pea crops grown in arsenic-contaminated soil. *Heliyon*, 6, 11, e05475 (**ELSEVIER & Cell; Scopus indexed, Impact factor 3.77**) <https://doi.org/10.1016/j.heliyon.2020.e05475>
- Alam, M. Z***, Hoque, M. A., Ahammed, G. J., & Carpenter-Boggs, L. (2020). Effects of arbuscular mycorrhizal fungi, biochar, selenium, silica gel, and sulfur on arsenic uptake and biomass growth in *Pisum sativum* L. *Emerging Contaminants*, 6, 312-322. <https://www.sciencedirect.com/science/article/pii/S2405665020300263> (**ELSEVIER & KeAi- Impact score 5.17; Scopus Indexed**)
- Alam, M. S., **Alam, M. Z.**, Nazir, K.H.M.N.H., & Bhuiyan, M. A. B. (2020). The emergence of novel coronavirus disease (COVID-19) in Bangladesh: Present status, challenges, and future management. *Journal of Advanced Veterinary and Animal Research*, 7, 198–208. <http://doi.org/10.5455/javar.2020.g410> (**Impact factor 1+; Scopus and PubMed indexed**).
- Alam, M. Z***, Hoque, M. A., Ahammed, G. J., Mcgee, R., & Carpenter-Boggs, L. (2019). Arsenic accumulation in lentil (*Lens culinaris*) genotypes and risk associated with the consumption of grains. *Scientific Reports*, 9, 9431 <https://doi.org/10.1038/s41598-019-45855-z> (**Nature Publishing Group; Impact Factor-4.99**)
- Alam, M.Z***, Hoque, M. A., Ahammed, G. J., & Carpenter-Boggs, L*. (2019). Arbuscular mycorrhizal fungi reduce arsenic uptake and improve plant growth in *Lens culinaris*. *PLOS ONE*, 14, 5, e0211441. <https://doi.org/10.1371/journal.pone.0211441> (**Impact factor-3.75; USA**)

- Alam, M. Z*.,** Mcgee, R., Boggs, L. C., Ahammed, G. J., & Hoque, M. A. (2019). Effect of Arbuscular Mycorrhizal Fungi, Selenium, and Biochar on Photosynthetic Pigments and Antioxidant Enzyme Activity under Arsenic Stress in Mung Bean (*Vigna radiata*). *Front. Physiol.* | doi: 10.3389/fphys.2019.00193 (**Impact Factor-4.755; USA**).
- Ghosh, T. K., Binto, S. H., Ahmed, J. U., Al-Meraj, S. M. Z., & **Alam, M.Z.** (2019). Indirect shoot organogenesis of a valuable medicinal plant *Paederia foetida* L. using nodal explants. *Fundamental and Applied Agriculture*, 4, 2, 806–814. <http://www.f2ffoundation.org/faa/wp-content/uploads/sites/2/2019/03/8-Ghosh-et-al-2019-FAA-V4-i2.pdf> (**Indexed and peer-reviewed Journal**).
- Alam, M. Z*.,** Halsey, J., Haque, M., Talukdar, M., Moniruzzaman, M., & Crump, A. R. (2018). Effect of Natural Disasters and Their Coping Strategies in the Kuakata Coastal Belt of Patuakhali, Bangladesh. *Computational water, energy, and environmental engineering*, 7, 161-182. (**Scientific Research- Global Journal; Google-based Impact Factor -1.31**). http://file.scirp.org/Html/1-2570183_87960.htm
- Haque, M. M., Mosharaf, M. K., Tanvir, M. Z. H., Khan, A. A., Molla, A. H., **Alam, M. Z.,** Islam M. S., & Talukder, M. R. (2018). Metal-Adapted Bacteria Isolated from Wastewaters Produce Biofilms by Expressing *Proteinaceous Curli* Fimbriae and Cellulose Nanofibres. *Front. Microbiol.* doi: 10.3389/fmicb.2018.01334 <https://www.frontiersin.org/articles/10.3389/fmicb.2018.01334/abstract> (**Frontiers- Impact Factor-6.064- USA & Netherland**)
- Alam, M. Z*.,** Armin, E., Haque, M. H., Halsey, J. Kayesh, E., & Qayum, A. (2018). Air Pollutants and Their Possible Health Effects at Different Locations in Dhaka City. *Int J Environ Sci Nat Res.*, 9, 4, 555768. (**Juniper Publishers-USA**). <https://juniperpublishers.com/ijesnr/pdf/IJESNR.MS.ID.555768.pdf>
- Rahman, M.O., & Alam, M. Z. (2021). Seasonal Variation of Water Quality Constituents in the Turag River. *International Journal of Research and Innovation in Applied Science*, VI, IX, 118-125 <https://www.rsisinternational.org/journals/ijrias/DigitalLibrary/volume-6-issue-9/118-125.pdf>
- Sheikh, A. H., Molla, A. H., Haque, M. H., & **Alam, M. Z.** (2017). Evaluation of water quality and biodiversity of natural freshwater wetlands discharged by industrial effluent. *Academia Journal of Environmental Sciences*, 5, 3, 052-064. <https://academiapublishing.org/journals/ajes/pdf/2017/Mar/Sheikh%20et%20al.pdf> (**Academia Publishing- USA; ISI Impact Factor 2.102**).
- Alam, M.Z.*,** Carpenter-Boggs, L., Mitra, S., Haque, M. M., Joan Halsey, M. Ed., Rokonuzzaman, M., Saha, B., & Moniruzzaman, M. (2017). Effect of salinity intrusion on food crops, livestock, and fish species at Kalapara coastal belt in Bangladesh. *Journal of Food Quality*, <https://doi.org/10.1155/2017/2045157> (**Wiley and Hindawi- USA**) (**Impact Factor 3.20**).
- Haque, M. M., Oliver, M. M., **Alam, M. Z.,** Nahar, K., Hirata, H., & Tsuyumu, S. (2017). CytR Homologue of *Pectobacterium carotovorum subsp. carotovorum* Controls Air-Liquid Biofilm Formation by Regulating Multiple Genes Involved in Cellulose Production, c-di-GMP Signaling, Motility and Type III Secretion System in Response to Nutritional and Environmental Signals. *Front. Microbiol.* 8, doi: 10.3389/fmicb.2017.00972 (**Frontiers- Netherlands**) (**Impact Factor 6.064**)

- Alam, M. Z.***, Carpenter-Boggs, L., Rahman, A., Haque, M. M., Miah, M. R.U., Moniruzzaman, M., Qayum, M. A., & Abdullah, H. M. (2017). Water Quality and Resident Perceptions of Declining Ecosystem Services at Shitalakkah Wetland in Narayangonj City. *Sustainability of Water Quality and Ecology*, doi: <http://dx.doi.org/10.1016/j.swaqe.2017.03.002> (ELSEVIER). (Impact Factor 0.892)
- Khan, M. Y., Haque, M. M., Molla, A. H., Rahman, M. M., & Alam, M. Z. (2017). Antioxidant compounds and minerals in tomatoes by *Trichoderma* enriched biofertilizer and their relationship with the soil environments. *Journal of Integrative Agriculture*, 15, 60345-7. [https://doi.org/10.1016/S2095-3119\(16\)61350-3](https://doi.org/10.1016/S2095-3119(16)61350-3) (ELSEVIER). (Impact Factor 4.38)
- Alam, M. Z.***, Haque, M. M., Islam, M. S., Hossain, E., Hasan, S. B., Hasan, S. B., & Hossain, M. S. (2016). Comparative Study of Integrated Pest Management and Farmers Practices on Sustainable Environment in the Rice Ecosystem. *International Journal of Zoology*, ID 7286040, 12. <http://dx.doi.org/10.1155/2016/7286040>. (Hindawi-USA: Impact score 1.15; Indexed in Scopus).
- Alam, M. Z.***, Crump, A. R., Haque, M.M., Islam, M. S., Hossain, E., Hasan, S. B., Hasan, S. B., & Hossain, M. S. (2016). Effects of Integrated Pest Management on Pest Damage and Yield Components in a Rice Agro-Ecosystem in the Barisal region of Bangladesh. *Frontiers in Environmental Science*, 4, (Frontiers- Indexed in Scopus, Impact factor 5.411) <https://doi.org/10.3389/fenvs.2016.00022>
- Horgan, F. G., Ramal, A. F., Bentur, J. S., Kumar, R., Bhanu, K. V.... Alam, M. Z. ... Huang, S. H. (2015). Virulence of brown planthopper (*Nilaparvata lugens*) populations from South and South East Asia against resistant rice varieties. *Crop Protection*, 78, 222-231. <https://doi.org/10.1016/j.cropro.2015.09.014> (ELSEVIER). (Impact Factor 3.036)
- Alam, M. Z.***. (2014). Status of biodiversity at the wetland ecosystem of Mohangonj Upazila in Netrakona District. *Advances in Ecology*, 2014, 1-8. <http://dx.doi.org/10.1155/2014/642450>, (Hindawi- USA)
- Hassan, J., Mohammed, Z. U. K., & Alam, M. Z*. (2013). Impact of textile dyeing effluents on germination and seedlings of country beans (*Lablab niger* var. *typicus*). *Environment and Natural Resources J.*, 11, 2, 80-96. <https://www.tci-thaijo.org/index.php/ennrj/article/view/83881> (Thailand) (Impact score-1.22).
- Alam, M. Z.***. (2013). Survey and assessment of insect management technologies and environmental impact on rice ecosystem of Bangladesh. *International Journal of Applied Research and Studies*, 2, 4, 1-16. (India).
- Ali, M. P., Alghamdi, S. S., Begum, M. A., Anwar uddin, A. B. M., Alam, M. Z., & Huang, D. (2012). Screening of rice genotypes for resistance to the brown planthopper, *Nilaparvata lugens* Stål. *Cereal Research Communications*, 40, 4, 502-508. DOI: 10.1556/CRC.2012.0001 (Academia and Springer- Impact Factor 0.881).
- Alam, M. Z.**, Ali, M. P., Abdullah, A. N., & Choudhury, T. R. (2011). Contamination status of arsenic, lead, and cadmium of different wetland waters. *Toxicological & Environmental Chemistry*, 93, 10, 1-12. [10.1080/02772248.2011.622073](https://doi.org/10.1080/02772248.2011.622073) (Taylor & Francis-London, UK) or cited in USDA (United States Department of Agriculture) (USA). (Impact Factor 1.56)

- Ahmed F., Amin M.R., Rahman M.M., **Alam M.Z.**, Afroz M., & Suh S.J. (2024). Toxicity of Chemical Insecticides and Neem Oil on Cucurbit Fruit Fly *Bactrocera cucurbitae*. *Agricultural Science Digest*, 44(3), 495-499. doi: 10.18805/ag.DF-491 <https://arcejournals.com/journal/agricultural-science-digest/DF-491> (**Scopus indexed**)
- Ahmed, M. N., Ahmed, K.S., Rahman, M. H., **Alam, M. Z.**, & Akter, T. (2011). Influence of egg-laying capacity and larval growth on the infestation rate of brinjal shoot and fruit borer. *Bangladesh Journal of Entomological Society*, 21, 2, 1-9. (**Bangladesh**)
- Alam, M. Z.** (2005). Study of threatened, rare-endangered, and extinct fish species at some wetland areas of Bhaluka region of Mymensingh. *Bangladesh Journal of Environmental Science*, 11, 2, 450-453. (**Bangladesh**)
- Alam, M. Z.**, & Islam, M. A. (2007). Trace metal (As, Pb, Cd) Contamination in **Sediments** at different wetland areas of Bhaluka region in Mymensingh. *Bangladesh Journal of Environmental Science*, 13, 1, 189-193. (**Bangladesh**)
- Alam, M. Z.**, Con. (Retd.) S. M. Shawkat Ali, Maj. (Retd) Anis-ul-Islam, Mamun, M. A. A., Ali, M. P., & Manir, M. R. (2010). Soil nutrient status of Turfgrass: A case study of Kurmitola Golf Club in Dhaka. *International Journal of Bioresearch*, 9, 6, 1-6. (**Bangladesh**)
- Islam, M. S., **Alam, M. Z.**, Manir, M. R., Mamun, M. A. A., Poly, T. A., & Islam, M. M. (2011). Effect of Bio compost, Cow dung compost, and NPK fertilizers on growth, yield, and yield components of Chili. *International Journal of Bioresearch*. 10, 4, 14-20. (**Bangladesh**)
- Mamun, M. A. A., Halder, K. P., Manir, M. R., Hossain, M. A., **Alam, M. Z.**, & Akter, N. (2011). Effect of harvesting time on seed quality of BRRI Dhan 29. *Eco-friendly Agriculture Journal*, 4, 2, 546-549. (**Bangladesh**)
- Rabbi, M. F., Bari, M. N., Uddin, A. B. M. A., Ferdous, J., & **Alam, M. Z.** (2011). Choice of the rice hispa, *Dicladispa armigera* (Olivier) as prey of two spider species of rice field. *Eco-friendly Agriculture Journal*, 4, 5, 614-618. (**Bangladesh**)
- Sattar, M.A., & **Alam, M. Z.** (2004). Study of Biodiversity at some wetland areas of Bhaluka. *Bangladesh Journal of Environmental Science*, 10, 1, 216-219. (**Bangladesh**)
- Sattar, M. A., **Alam, M. Z.**, & Rahaman, M. M. (2004). The farm use of pesticides at Mymensingh and the guideline of pesticide research in Bangladesh. *Bangladesh Journal of Environmental Science*, 10, 2, 313-317. (**Bangladesh**)
- Sattar, M.A., Paul, N. C., & **Alam, M. Z.** (2004). Seasonal variation of lead (Pb) contamination in a pond, lake, and river waters of Dhaka Metropolitan City. *Bangladesh Journal of Environmental Science*, 10, 2, 336-340. (**Bangladesh**)

Conference/workshop articles (9)

- Alam M. Z. et al.** (2025). Analysis of the Relationship Between Land Surface Temperature and LULC Indices in the Teesta Riverine Wetland Ecosystem, Bangladesh. Gazipur Agricultural University International Conference (GAUIC) on the Regenerative Agriculture for Sustainable Food Security, 12-13 December, p61.
- Alam M. Z. et al.** (2025). Microplastics in the Environment: Present status, challenges, and mitigation. 3rd International Conference on the Advancement of Life Science 2025. Mawlana Bhashani Science and Technology University, Tangail, Bangladesh. 11-12 January, 2025. p42

- Alam M. Z. et al.** (2024). Reduction of abiotic stress in food crops through climate-smart mycorrhiza-enriched biofertilizer. BCSIR Congress 2023, 08-10 March 2024.
- Alam, M. Z. et al.** (2022). Conservation strategies for the declining biodiversity at the Gombi riverine wetland in Comilla. 2-4 September, International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022), CIRDAP and University of Dhaka, Bangladesh.
- Alam and Rokonuzzaman.** (2022-23). Conservation strategies of biodiversity in the wetland ecosystem. Ministry of Science and Technology Funded Research Project.
- Alam, M. Z., & Kayes, E.** (2021). Development of an arsenic mitigation technique in Lentil. Long-term project report 2017-2020, 26-27 September, Research Management Wing (RMC), BSMRAU, Gazipur-1706, Bangladesh.
- Alam, M. Z. (2019).** Effects of Environmental Threats on Biodiversity at Wetland Ecosystem in the Netrakona area of Bangladesh. 2nd R &D Congress on East Asian-Australasian Flyway (EAAF) for Wetlands and Migratory Waterbirds in the Course of Climate Change. October 7-11, Bacolod City, **Philippines**.
- Alam, M. Z. (2017).** Development of a protocol for the reduction of arsenic toxicity in food crops. Book of research abstract (RMC). BSMRAU, Gazipur-1706, Bangladesh.
- Alam, M. Z. et al. (2016).** Water quality and resident perceptions of declining ecosystem services at Shitalakkah wetland in Narayanganj city. Book of research abstracts. 5th National convention and international agricultural conference, 29-30 September, Krishibid Institution, Bangladesh.
- Alam, M. Z. (2016).** Determination of air pollutants and their possible health effects at different locations in Dhaka city. Book of research abstract (RMC). BSMRAU, Gazipur-1706, Bangladesh.

Session Speaker/Keynote/invited lecture at the International Conference

- Microplastic in the Environment: Present status, challenges, and mitigation. 3rd International Conference on the Advancement of Life Science 2025. Mawlana Bhashani Science and Technology University, Tangail, Bangladesh. 11-12 January, 2025.
- *Reduction of abiotic stress in food crops through climate-smart mycorrhiza-enriched biofertilizer*. BCSIR Congress 2023, 08-10 March 2024.
- *“Conservation strategies on the declined biodiversity at the riverine wetland ecosystem”*. 2-4 September, International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022), CIRDAP and University of Dhaka.
- Climate Olympiad 2024; Arranged by Climate Activist Hub

Session Chair in the International Conference

Sl.no	Technical session	Date
01	"Climate Change Impacts on Environmental Components" under the International Conference on Advanced Agricultural Research, Organised by Sylhet Agricultural University (SAU), Sylhet.	23 rd May 2024
02	<i>“Environment, Governance and pollution”</i> 8-10 th March 2024, Institute of Glass and Ceramic Research and Testing (IGCRT) seminar room, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka	8-10 th March 2024
03	<i>“Climate change, mitigation and adaptation”</i> 3 rd September 2022, CIRDAP-C, International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022).	3 rd Sept 2022

BOOKS/CHAPTER

1. Paribesh Biporjoy O Sangrakhan (Environmental Degradation and Protection). Published by ANYAPROKASH Publisher, Ekushey Boi Mela 2023(Ekushey Book Fair 2023), Bangladesh
2. Sustainable Turf Grass Management, Published by Kurmitola Golf Club, Dhaka Cantonment, 2010
3. A Tale of Environment. "Conservation of Mangrove Forest". September 2022.

Courses Taught in BS, MS & PhD programs (100% unless otherwise noted)

- 2012-
Present Instructor, Department of Environmental Science, Faculty of Agriculture, GAU
ENS 618 Biodiversity Conservation and Management (3 CH) – Winter Term/semester
- ENS 510 Environmental Pollution and Agriculture (3 CH)- Summer Term/semester
 - ENS 565 Environmental Chemistry (3CH) Summer/ Autumn term
 - ENS 545 Environmental Hazards and Disaster Management (3 CH) Summer/ Autumn
 - ENS 355 Environmental Degradation and Management (2CH) Autumn term
 - ENS 665 Advanced Environmental Chemistry (3 CH)
 - 598 Seminar Course (1 CH) –Autumn 2021/Autumn 2023/Summer 2024
- 2010-12 Training Coordinator and Instructor, Entomology Division, Bangladesh Rice Research Institute (BRRRI).
- Taught course: Rice insects and their management systems in Bangladesh.
 - Trainee: Farmers and Sub-Assistant Agriculture Officers
- (Collaboration with Integrated Agricultural Productivity Project-IAPP, Ministry of Agriculture, Government of Bangladesh; Funded by World Bank)
- 2022
- Taught course: Importance of mycorrhizal fungi in agriculture
 - Trainee: Agricultural Extension Officers

Visited Places for Scientific Purposes in the USA

- Washington State University (WSU) research and extension center at Northwest, Organic farming, Alfa-alfa, & Hobs plants farming system, WA, USA
- Irrigation system at the Colombian river basin, WA, USA
- Michigan State University (MSU-USA), Oregon State, Portland, and Seattle

Visited Countries for Academic and Research Purposes

India, Thailand, Malaysia, the Philippines, Vietnam, the Netherlands, China, and the USA

Editorial Role

Frontiers in Environmental
Science

Review Editor on the
Editorial Board

Toxicology-Pollution and the
Environment

Examiner (approved by the academic council)

1. Department of Environmental Science & Disaster Management, Gopalganj Science and Technology University (GSTU)
2. Department of Environmental Science & Technology, Jashore University of Science and Technology, Jashore

Linguistic Skills

2013 Fall-	Advanced graduate preparation course, Intensive American Language Center (IALC),
2014 Spring	Washington State University, WA, USA
2013	Graduate Record Examination (GRE)
2010-Present	Teaching and research in both programs are conducted in English at GAU.
1999-2006	The medium of instruction and examination assessment was both in English during the study period of BS and MS programs at Bangladesh Agricultural University, Mymensingh-2202, Bangladesh
2010	English proficiency course and IELTS were completed under the Department of Language, Bangladesh Agricultural University, Mymensingh-2202, and the British Council, respectively.

Collaboration

Washington State University (WSU), USA; South Asian Forum for Environment, Kolkata, India; International Rice Research Institute (IRRI), Philippines; Bangladesh Council of Scientific and Industrial Research (BCSIR); Bangladesh Atomic Energy Commission (BAEC); Henan University of Science and Technology, China; Bangladesh Agricultural University (BAU); so on

Professional Memberships/ Administrative Roles

12 th September 2021	Chairman, Board of Studies, Department of Environmental Science, Faculty of
-11 th September 2023	Agriculture, BSMRAU, Gazipur-1706, Bangladesh
12 th September 2021	Head, Department of Environmental Science, Faculty of Agriculture, BSMRAU.
-11 th Sept. 2023	
January 2022-	Sports and Cultural Secretary, BSMRAU Teachers' Association, Gazipur-1706,
December 2022	Bangladesh
2018-Present	Member, Academic Council, Gazipur Agricultural University (GAU), Gazipur-1706,
	Bangladesh
2020July-2022 June	Associate Director, International Affairs, BSMRAU, Gazipur-1706, Bangladesh
2017-Present	Member, Bangladesh Paribesh Andolon (BAPA)/ http://www.bapa.org.bd/default.aspx
	(Bangladesh Environmental Movement)
2016-Present	Member, Bangladesh Ordnance Factories Golf Club (BOF), Gazipur-1706
	Membership No- G6503; Air Force Golf Link (AFGL)
2014 December-	Assistant Provost, Ilamitra Hall, BSMRAU, Gazipur-1706, Bangladesh.
2016 December	
2012- Present	Member, Board of Studies (BOS), Department of Environmental Science, GAU,
	Gazipur-1706, Bangladesh.
2014- Present	Life Member, Bangladesh Association for the Advancement of Science (BAAS)-135
2010- Present	Member, Bangladesh Entomological Society: 764 (Look at the Ordinary member list at
	Bangladesh Rice Research Institute (BRRI) http://bdentsoc.org/?page_id=8
2010- Present	Life Member, Agriculturist Institution, Bangladesh
2013- Present	Member, Association for Bangladeshi Students and Scholars (ABSS), WSU, WA
	http://studentinvolvement.orgsync.com/org/wsuaabss/ContactUs
2023 - Present	Education, Research and Development Forum of Bangladesh (ERDF)
2023 - Present	Progatishil Columnist Forum, Bangladesh

Graduate Students –MS and Ph.D. Program

Students	Research titles	Role
M. Mimi Talukdar	Role of arbuscular mycorrhizal fungi for the reduction of arsenic accumulation in the lentil crop	Major Prof.
Shisir Mitra	Effect of salinity on agricultural production at the Kalapara coastal belt in Patuakhali	Major Prof.
Manoranjan Adhikari	Impact of uneven water distribution and climatic parameters on the aquatic environment at Teesta Riverine areas	Major Prof.
M. M. Monir	Exposure to natural disasters and their coping strategies in the context of climate change at the Kuakata coastal belt of Patuakhali	Major Prof.
Abdur Rahman	Assessment of ecosystem services and their link with water quality parameters at Shitalakkah wetland in Narayangonj city	Major Prof.
Mohammad N. H. Tarun	Seasonal variation of aquatic biodiversity at various Haors of Nikli Upazila in Kishorgonj	Member
Bhubaneshare	Analyses of the biofilm formed at the air-liquid interface by <i>E. coli</i> ENSD 101 and <i>Enterobacter asburiae</i> ENSD 102	Member
Khalid M.	Regulatory mechanism of biofilm formation and remediation of heavy metals by <i>E. ludwigii</i> ENSH201, <i>vitreoscilla</i> sp. ENSG 301, and <i>A. lwoffii</i> ENSG302 and <i>B. thuringiensis</i> ENSW401	Member
Arif Mahmud	Wellbeing status of indigenous people at Chittagong Hill tracts in Bangladesh	Member
Eva Armin	Determination of air pollutants and their possible health effects at different locations in Dhaka city	Major Prof.
Mir O. Rahman	Seasonal variation of water quality constituents and their impacts on aquatic biodiversity in the Turag River	Major Prof.
S. R. Ghosh	Role of arbuscular mycorrhizal fungi on growth and biochemical parameters in arsenic-treated field pea	Major Prof.
S. H. Bintu	Regeneration of rare medicinal plants through tissue culture technique	Member
Polash Kisco	Decolorization, degradation, and detoxification of congo red methyl orange and remazol brilliant blue by different bacterial biofilm consortia	Member
Ananya Sarker	Effect of Organic and inorganic fertilizers on biomass and biochemical parameters of garden pea	Member
J. Ferdous	Public perception of declining aquatic biodiversity at Gomti River in Cumilla	Major Prof
Sohel Rana	Adoption and profitability of catfish farming in Trishal Upazila	Member
Nijum	Identification of native arbuscular mycorrhizal fungal species to promote the growth of food crops	Major Prof
S. M. Ahmed	Long-term quantification of pre and post-monsoon surface water area of Bangladesh utilizing Google Earth Engine.	Member
F. Ahmed	Effect of insecticides against the cucurbit fruit fly in Sweet Gourd	Member
Amirul Islam	Control of Tomato wilt caused by <i>Fusarium oxysporum</i> using antagonistic bacteria and arbuscular mycorrhizal fungi	Member
Md. Shuhag Sikder	Effect of the stimulus package on ensuring food security for the smallholder farmers in Bangladesh	Member
Mr. Limon	Plant probiotic...detoxification of wastewater containing carcinogenic	Member
Mr. Nahid	Role of ambient daylight temperature on morphological traits, yield, and nutritional content of summer tomatoes	Member
Tamal	Land Use, Land Cover Changes, and Their Impact on Biodiversity of the Teesta Riverine Area	Major Prof.
A. Al Mamun	Impact of Arbuscular Mycorrhizal Fungi on Biomass Growth and Antioxidant Activities Under Drought Stress in Tomatoes	Major Prof.
Mahabuba	Green Synthesis and Application of Nanoparticles for Controlling Wheat Blast	Member
Rifat Akter	Projected Climate Extremes and Their Impacts on Boro Rice during the Flowering Stage in the Haor Ecosystem of Bangladesh	Maj. Prof
M. S. Khan	Role of Land Use and Land Cover Fluctuation on Land Surface Temperature and Vegetation Index in the Teesta Riverine Wetland Ecosystem	Maj. Prof

Grants Received as PI and Co-PI (\$80000)

Sl. No	Research project	Funding Year	Funding organization	Role	Grant in BD Taka	Grant in US Dollar
17	Rhizospheric Microbes Enhance Biomass Growth and Yield, Photosynthetic Pigments, Minerals, and Antioxidants in Tomatoes under Drought Stress	2025-26	Ministry of Science & Technology	PI	350000/-	2700
16	Effect of land use land cover (LULC) changes on the biodiversity at the Teesta Riverine Wetland Ecosystem	2024-2027	RMW, GAU	PI	1000000	8000
15	Interaction effect of mycorrhiza and bacteria on yield and bioactive compounds in <i>Lagenaria siceraria</i>	2024-25	Ministry of Science & Technology	PI	350000	2800
14	Microbial effect on biomass growth, photosynthetic pigments, and antioxidant activities in Sweet Gourd vegetable	2023-24	Ministry of Science & Technology	PI	400000	\$4000
13	Conservation strategies on declined biodiversity at Gomti Riverine Wetland	2022-23	Ministry of Science & Technology	PI	200000	\$2000
12	Effect of practical soil amendments on biomass growth and arsenic uptake in mung bean	2020-21	University Grant Comm. (UGC)	PI	300000	\$3750
11	Culture of arbuscular mycorrhizal fungi (AMF) towards the development of mycorrhiza-enriched bio-fertilizer	2021-2024	BANBEIS, Ministry of Education	PI	2000000	\$25000
10	Land use-land cover changes and wetland biodiversity	2021-22	Ministry of Science & Technology	PI	250000	\$3125
09	AMF enhances minerals and Antioxidants in food crops	2020-21	Ministry of Science & Technology	PI	200000	\$ 2500
8	Role of AMF on stress enzymes and bioactive compounds in tomatoes	2020-23	RMC and UGC	PI	900000	\$ 11250
7	Arsenic uptake in pulse crops and mitigation techniques	2017-20	RMC and UGC	PI	1000000	\$ 12000
6	Determination of air pollutants and their possible health effects at different locations in Dhaka city	2016-17	BSMRAU	Principal Investigator (PI)	100000/-	\$1300
5	Exposure to natural disasters and their coping strategies in the context of climate change at Kuakata Coastal Belt in Patuakhali	2015-16	Ministry of Science and Technology	Co-Principal Investigator	300000/-	\$4000
4	Assessment of ecosystem services and their roles in the sustainable environment at Shitalakha River in Narayangonj	2014-15	BSMRAU	Principal Investigator	100000/-	\$1300

3	Status of biodiversity at the wetland ecosystem of Mohangonj Upazila in Netrakona District, Bangladesh	2012-13	BSMRAU	Principal Investigator	50000/-	\$700
2	Integrated Agricultural Productivity Project (IAPP) –BRRI part	2011-12	Entomology Part at BRRI, World Bank	Scientist	-	-
1	Host Plant Resistance	2011-12	International Rice Research Institute (IRRI)	Scientist	-	-

Research Experiences

- 2020- Present
- Reduction of stress in food crops grown in drought, saline, and toxic soils using mycorrhizal fungi
 - Isolation, culture, and identification of arbuscular mycorrhizal fungi from crop fields in Bangladesh
 - Land use land cover (LULC) and wetland biodiversity; Conservation strategies for wetland biodiversity
- 2017- 2020
- Arsenic uptake in food crops and mitigation techniques
 - Research on the selection of mycorrhizal fungi and their uses in food crops grown under environmental stress.
- 2015-2016
- Vulnerabilities of soil and water salinities across the coastal belt in Bangladesh
 - Role of Arbuscular Mycorrhizal Fungi (AMF) on arsenic uptake in food crops
 - Assessment of ecosystem services and their roles in the sustainable environment at Shitalakha River in Narayangonj
 - Exposure to natural disasters and their coping strategies in the context of climate change at Kuakata Coastal Belt in Patuakhali
 - Assessment of environmental risks for sustainable food production at Teesta irrigation catchment, Air pollutants and their possible health effects at a different location in Dhaka city, Arsenic stress in food crops, and mitigation techniques
- 2015
- Worked as a Scientist and group member at the Institute of Climate Change and Agriculture at GAU, Gazipur-1706, Bangladesh
- 2013– 2014
- Technical and Graduate Research Assistant (GA), Department of Crop and Soil Sciences, Washington State University (WSU). The research protocol was developed under the title “**Arsenic uptake and mitigation techniques in lentil**” (Researcher)
- 2012-2013
- Principal Investigator (PI), **Title: Status of biodiversity in the wetland ecosystem of Mohangonj Upazila in Netrakona District, Bangladesh** (Funded by BSMRAU).
- 2010-2012
- Scientific Officer and Co-Principal Investigator (Co-PI), Entomology Division, Bangladesh Rice Research Institute (BRRI). Project title:
- Integrated Agricultural Productivity Project (IAPP)-BRRI; funded by World Bank
 - Host Plant Resistance (Collaborated with IRRI), Varietal screening against rice insects (Collaborated with IRRI)
- 2007-2010
- Agricultural Specialist, Kurmitola Golf Club, Dhaka Cantonment, Bangladesh Army, Bangladesh. Soil nutrient status of turfgrass: A case study of Kurmitola Golf Club (KGC) in Dhaka, Bangladesh (Published) and Sustainable Turf Grass Management at KGC (Published by KGC)

- 2004-2007 Research Associate in the Department of Environmental Science, Bangladesh Agricultural University (BAU), Mymensingh-2202
- Lead (Pb) Contamination in the Soil Environment at Four Metropolitan Cities of Bangladesh.
 - Study of wetland resources at the Bhaluka region of Mymensingh

Awards/ Honors/Training/ Seminars/Conference

- 11-12 January, 2025 Received the award trophy as a Session Speaker at the 3rd International Conference on the Advancement of Life Science 2025. Mawlana Bhashani Science and Technology University, Tangail, Bangladesh.
- 20-22nd October 2024 Training on “adaptive delta management (ADM)” completed under the “support to the implementation of the Bangladesh Delta Plan 2100 (SIBDP-2100) project”, Ministry of Planning, Government of Bangladesh.
- 19-20th May 2024 Training on “Apprising Bangladesh Delta Plan 2100” completed under the “support to the implementation of the Bangladesh Delta Plan 2100 (SIBDP-2100) project”, Ministry of Planning, Government of Bangladesh.
- 11th March 2024 Received Special Allocation Research Fund under the Ministry of Science and Technology on 11th March 2024 from the Honorable Prime Minister of the People's Republic of Bangladesh
- 2024 March Received the Crest as a chair in the *Environment, Governance and Pollution technical session*, 8-10 March 2024, Institute of Glass and Ceramic Research and Testing (IGCRT) seminar room, Bangladesh Council of Scientific and Industrial Research (BCSIR), Dhaka.
- 2024 March Received certificate as an invited lecturer on the “*Reduction of abiotic stress in food crops through climate-smart mycorrhiza-enriched biofertilizer*”. BCSIR Congress 2023, 08-10 March 2024.
- 2024 February Keynote Speaker at Climate Olympiad 2024; Arranged by Climate Activist Hub
- 2023 March Received certificate for “**Hands-on Training Program on Scaling Up Climate Ambition in Agriculture, Forestry and Other Land Use Sector Using NDC Expert Tool**” from 19 to 23 March, organized by FAO and the Department of Environment (DoE).
- 2022 September Received certificate for “**Hands-on training on greenhouse gas emission and mitigation assessment for the agriculture sector**” from 27 to 29 September 2022, organized by FAO and DoE.
- 2022 September Received certificate as **KEYNOTE SPEAKER** in the International Conference on Environmental Protection for Sustainable Development (ICEPSD-2022), CIRDA and University of Dhaka, Bangladesh, Organised by Forest and Environment Affairs Sub-Committee, Bangladesh Awami League.
- 2022 January Received an appreciation certificate as the “**Jury Board Member**” in the National Stem Competition 2021
- 29th Sept 2021 Training on University Website management, GAU, Gazipur, 1706, Bangladesh.
- 2019 October Received certificate for the presentation of an article entitled “**Effects of Environmental Threats on Biodiversity at Wetland Ecosystem in Netrakona area of Bangladesh**”. 2nd R &D Congress on East Asian-Australasian Flyway (EAAF) for Wetlands and Migratory Waterbirds in the Course of Climate Change. October 7-11, Bacolod City, **Philippines**.
- 2018, 4th March Received Bangabandhu Science and Technology Trust Fellowship on 4th March 2018 from **the Honorable Prime Minister of the People's Republic of Bangladesh**
- 2014 March **Ph.D.** Scholarship awarded as a joint program between Washington State University (WSU) and BAU, funded by USAID- BHEARD.

- 2014 May Conference on *research paper writing, leading of research and self-development* at **Michigan State University (MSU)**, Funded by USAID-BHEARD, USA.
- 2012 Training workshop on *Climate change and Bangladesh Agriculture*, Bangladesh Academy for Rural Development (BARD), Funded by KGF in Bangladesh
- Travel grant 2012 Planning and discussion meeting on “*Sustainable Rice Platform and Environmental Issues*” in **Hanoi, Vietnam, 25-27th September**, Funded by IRRI
- 2012 May Award for the **use and maintenance of modern lab equipment for NARS Scientists, Bangladesh Agricultural Research Institute (BARI)**, Gazipur, Bangladesh.
- 2012 March Training on “**Breeder seed production and preservation of rice**” under “strengthening of rice breeder seed production, and maintenance of nucleus stock”, BRRI.
- 2012 November Training on **teaching methods, learning assessment, and curriculum development**, GAU, Bangladesh.
- Fellowship (NFP), 2011 An international training course on the *sustainable crop, livestock, and environment interaction*, **University of Philippines, Los Banos, Laguna (UPLB)**, funded by the Netherlands Fellowship Program (NFP).
- December 2011(April – May) International Training Course on “*Genetic theory of hybrid rice breeding*” **UNESCAP (United Nations- Economic and Social Commission for Asia and the Pacific)**
- 2011 Specialist in rice insects at the Radio Center in Bangladesh under the program on “**Infestation of brown planthopper insect and its control measure**”.
- 2010 March Seminar’s award on *Sustainable Turf Grass Management in Asia*, Pattaya, **Thailand**, Funded by Kurmitola Golf Club, Dhaka Cantonment, Bangladesh.
- 2010 January Visited Royal Kolkata, Tollygonj Golf courses, and their machinery in **India**, funded by Kurmitola Golf Club, Dhaka Cantonment.

Golf Awards (Continued)

Sl.No	Name of the Tournament	Awards	Name of the Club
1.	Novoair Cup Golf Tournament-2018	Winner Trophy(GNH)	Savar Golf Club, Savar Cantonment
2.	12 th Amin Mohammad Group Cup Golf Tournament-2018	Winner Trophy (GNH)	Savar Golf Club, Savar Cantonment
3.	3 rd Runner President Cup Golf Tournament-2019	Runner-up Trophy (18 Hole)	Kurmitola Golf Club, Dhaka Cantonment (Received from Chief of Army Staff)
4.	Ramadan Cup at BOF Golf	Half Golf Bag	BOF Golf Club, 2019
5.	Saifpower Tech Victory Day Golf Tournament	Winner Trophy	Army Golf Club, 2019
6.	2 nd Farees BOF Cup Golf Tournament	Runner-up	BOF Golf Club, Gazipur Cantonment, 2020
7.	1 st Shah Cement AKS Cup Golf Tournament, 2020	Winner Trophy	BOF Golf Club, Gazipur Cantonment, 2020
8.	1 st Popular Life Insurance BOF Cup Golf Tournament-2021	Runner-Up Trophy	BOF Golf Club, Gazipur Cantonment, 2021
9.	Mujib Borsho Walton Independence Day Cup Golf Tournament, 2021	2 nd Best Gross - Gents Nine Hole	Savar Golf Club, Savar Cantonment, 2021
10.	President Cup Golf Tournament	Winner	BOF Golf Club, Gazipur Cantt 2021
11.	3 rd Saif Powertech Golf Tournament	Best Gross	BOF Golf Club, Gazipur Cantt 2021
12.	Mujib Borsho 1st Jamuna Group Cup Golf Tournament	2 nd Best Gross	Savar Golf Club, Savar Cantonment 2021
13.	Victory Day Cup Golf Tournament	Winner	BOF Golf Club, Gazipur Cantonment 2021

14.	Bangabandhu Bangladesh Games 2020 (Golf)	Participant (1 st April 2021 to 10 April 2021)	Kurmitola Golf Club, Dhaka Cantonment
15.	8 th Walton Cup Golf Tournament 22	2 nd Best Gross	Savar Golf Club, Savar Cantonment 2022
16.	MGH Monsoon Cup Golf Tournament 22	Longest drive (17 th Sept. 2022)	Savar Golf Club, Savar Cantonment 2022(Received from Chief of Army Staff)
17.	BOF Cup Golf Tournament 22	Best Gross	BOF Golf Club, Gazipur Cantonment 2022
18.	Trust Bank Cup Golf Tournament 2023	Maximum Par	Army Golf Club, Dhaka Cantonment (Received from Chief of Army Staff)
19.	Western Engineering Cup Golf Tournament 2023	Best Gross, Gents 9 Holes	Savar Golf Club, Savar Cantonment, 2023
20.	Popular Life Insurance Cup Golf Tournament-2023	Best Gross Back Nine	Mainamati Golf & Country Club (MGCC) Cumilla Cantonment
21.	2 nd Radiant Pharma Cup Golf Tournament-2023	Best Gross Front Nine	Savar Golf Club (SGC)
22.	BOFGC Breakfast-Cup Golf Tournament -2023	Runner Up	BOF Golf Club, Gazipur Cantonment
23.	2 nd Western Engineering Cup Golf Tournament 2024	Runner-up, Gents 9 Holes	Savar Golf Club, Savar Cantonment, 2024
24.	34 th Captain Cup Golf Tournament 24	Best Back Nine	Bhatiary Golf & Country Club, Chittagong
25.	3 rd Golden Ispat & HM Steel Golf Tournament 24	3 rd Runner Up	Bhatiary Golf & Country Club, Chittagong
26.	9 th Walton Cup Golf Tournament-2024	Runner Up (Men 18 Hole)	Savar Golf Club
27.	7 th KDS New Year Cup Golf Tournament 2025	Runner Up (Men 18 Hole)	Shaheen Golf and Country Club, Patenga
28.	1 st BKMEA Golf Tournament 2025	2 nd Best Gross	Anurima Resort Golf Club (Received from Chief of Army Staff)
29.	8 th Walton Winter Cup Golf Tournament	Maximum PAR	Ghatail Golf Club, Ghatail Cantonment
30.	1 st CA Bangladesh Cup Golf Tournament 2025	Winner	Golf & Country Club Cox's Bazar, Ramu Cantonment
31.	24 th Ispahani Cup Golf Tournament 2025	Winner	Bhatiary Golf & Country Club, Chittagong
32.	Passionate Golfers Cup (PGC) Tournament 2025	Best Gross	Air Force Golf Link Club (AFGLC)
33.	Executive Cup Golf Tournament 25	2 nd Runner Up	Jolshiri Golf Club
34.	1 st BOB Recyclers Cup Golf Tournament 25	Winner (Handicap Category)	Bhatiary Golf & Country Club, Chittagong
35.	BSRM Golf Tournament 26	Winner (Handicap Category)	Bhatiary Golf & Country Club, Chittagong
36.	KDS New Year Cup Golf Tournament 26	Runner Up	Shaheen Golf and Country Club, Patenga

Article Published in Daily Newspaper (Bangladesh)

- 58 "Can the Climate Conference Guide the Paris Agreement?"(জলবায়ু সম্মেলন কি প্যারিসচুক্তিকে পথ দেখাতে পারবে?); 8th November 2025; Daily Jugantor; <https://www.jugantor.com/tp-ub-editorial/1026000>
- 57 "What did Bangladesh get at the climate conference? (জলবায়ু সম্মেলনে বাংলাদেশ কি পেল?); 23rd November 2024; Daily Jugantor; <https://www.jugantor.com/tp-window/882169>
- 56 How Green Bangladesh can be built (যেভাবে সবুজ বাংলাদেশ গড়া সম্ভব); 29th October 2024, Daily Jugantor; <https://www.jugantor.com/tp-ub-editorial/871425>

- 55 Importance should be given to eco-friendly tourism (পরিবেশ বান্ধব পর্যটনকে গুরুত্ব দিতে হবে); World Tourism Day 2024; 28th September 2024, Daily Jugantor; <https://www.jugantor.com/tp-ub-editorial/857911>
- 54 Outline of Post-flood rehabilitation program (বন্যা-পরবর্তী পুনর্বাসন কর্মসূচির রূপরেখা); 6th September 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/847677/>
- 53 Why is a permanent solution to the flood problem important? (বন্যা সমস্যার স্থায়ী সমাধান কেন জরুরি); 28th August 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/843763/>
- 52 It is important to solve the water distribution problem with India to control floods (বন্যা নিয়ন্ত্রণে ভারতের সঙ্গে পানিবন্টন সমস্যার সমাধান জরুরি); 23rd August 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/841506/>
- 51 The importance of Haor and wetlands should be understood (হাওর ও জলাভূমির গুরুত্ব বুঝতে হবে); 2nd July 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/823120/>
- 50 There is no alternative to the delta plan in the continuity of development (উন্নয়নের ধারাবাহিকতায় ডেল্টা প্ল্যানের বিকল্প নেই); 6th June 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/812237/>
- 49 How to protect people from the effects of Heatwaves (দাবদাহের প্রভাব থেকে যেভাবে মানুষকে রক্ষা করা সম্ভব); 6th May 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/window/802053>
- 48 How to Control Heatwave (যেভাবে দাবদাহ নিয়ন্ত্রণ করা সম্ভব), 27th April 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/sub-editorial/798952/>
- 47 Development and multidimensional research complement each other ("উন্নয়ন ও বহুমাত্রিক গবেষণা একটি অন্যটির পরিপূরক"); 7th April 2024, Daily Jugantor; <https://www.jugantor.com/todays-paper/window/793171>
- 46 Is Science Education without research grants? ("গবেষণা অনুদান ছাড়া কি বিজ্ঞান শিক্ষা হয়?", 25th March 2024, Daily Jugantar, <https://www.jugantor.com/todays-paper/window/788603/>
- 45 "Grants in Research: Building Smart Bangladesh" ("গবেষণায় অনুদান: স্মার্ট বাংলাদেশ বিনির্মাণ"), 24th March 2024, Daily Ittefaq, <https://www.ittfaq.com.bd/681888/>
- 44 Smart Higher Education and Quality of Education (স্মার্ট উচ্চশিক্ষা ও শিক্ষার গুণগত মান), 30th January 2024, Daily Jugantor, <https://www.jugantor.com/todays-paper/sub-editorial/768770/%>
- 43 Quality education can help build a 'Smart Bangladesh' (শিক্ষার গুণগত মান 'স্মার্ট বাংলাদেশ' গঠনে সাহায্য করতে পারে), 29th January 2024; risingbd.com; <https://www.risingbd.com/opinion/news/540204>
- 42 "How much role will the climate conference play in dealing with environmental change?" (পরিবেশ পরিবর্তন মোকাবিলায় জলবায়ু সম্মেলন কতটা ভূমিকা রাখবে?); Banglatribune, 30.11.2023; <https://www.banglatribune.com/columns/826402>
- 41 "COP28 and Bangladesh" (কপ-২৮ ও বাংলাদেশ), Daily Jugantor, 30th November 2023 <https://www.jugantor.com/todays-paper/window/745857/>
- 40 "How to build a smart Bangladesh?" (যেভাবে স্মার্ট বাংলাদেশ গড়া সম্ভব), Daily Jugantor, 11th Sept, 2023 <https://www.jugantor.com/todays-paper/sub-editorial/716681/%E0%A6%AF%E0%A7%87%>
- 39 A gathering of graduates at the convocation level (সমাবর্তনের সমতলে গ্র্যাজুয়েটদের মিলনমেলা)" Daily Jugantor, 12th May 2023, <https://www.jugantor.com/todays-paper/sub-editorial/673745/>
- 38 How much research is needed in universities? (বিশ্ববিদ্যালয়ে গবেষণা বৃদ্ধির প্রয়োজন কতটা?), Daily Jugantor, 26th December, 2022; <https://www.jugantor.com/todays-paper/sub-editorial/628553/%>
- 37 Environmental protection is everyone's responsibility (পরিবেশ সুরক্ষার দায়িত্ব সবার?) Daily Jugantor, 4th October 2022; <https://www.jugantor.com/todays-paper/window/602108/%E0%A6%AA%E0%A6%B0%E0%A6%BF%E0%A6%AC%E0%A7%87%E0%A6%B6-%>
- 36 How much research is needed to control global warming? (বৈশ্বিক উষ্ণতা নিয়ন্ত্রণে গবেষণার প্রয়োজন কতটা?) Daily Ittefaq, 5th September 2022; <https://www.ittfaq.com.bd/612327/%E0%A6%AC%E0%A7%88%E0%A6%B6%E0%A7%8D%E0%A6%AC>
- 35 A research-based university is needed for the environmental development at the Padma (পদ্মার পরিবেশগত উন্নয়নে চাই গবেষণাভিত্তিক বিশ্ববিদ্যালয়); Daily Ittefaq, 28th July 2022; <https://www.ittfaq.com.bd/607629/%E0%A6%AA>
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6	ড. মোহাম্মদ জাহাঙ্গীর আলম বেস্ট গ্রাস ক্যাটাগরীতে পুরস্কৃত	Bhorer Kagoj 13 th March 2023
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Opinion /Speech in Newspaper/Channel

Topics	Name of Channel /Newspaper	Link
"Despite opposition, GMOs may be the way forward."	The Business Standard	https://www.tbsnews.net/features/panorama/despite-opposition-gmo-may-be-way-forward-846661
দেশের অর্ধেকের বেশি ইটভাটার ছাড়পত্র নেই	The Business Standard	https://www.youtube.com/watch?v=JAFshxISsc0
রংপুর অঞ্চলের ৩০ শতাংশ মানুষ খাদ্য নিরাপত্তাহীনতার মধ্যে রয়েছে	The Business Standard	https://www.youtube.com/watch?v=KRtfeIkmW1U

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