



CURRICULUM VITAE OF MD. NASIMUL BARI

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3. **Permanent Address:** House No. 1036,
Mohammad Ali Road, Ward No. 7,
Lakshmipur Municipality,
Lakshmipur, Bangladesh.
4. **Nationality:** Bangladeshi by birth.
5. **Date of Birth:** 17 June, 1962.

6. **Education:**

Examination	Board/University	Year of Passing
Secondary School Certificate (SSC)	Dhaka Board, Dhaka, Bangladesh	1978
Higher Secondary Certificate (HSC)	Dhaka Board, Dhaka, Bangladesh	1980
B.Sc.Ag.(Hons.) 1984 (Held in 1987)	Bangladesh Agricultural University, Mymensingh, Bangladesh	1987
M.Sc.(Ag.) in Agronomy, 1987 (Held in 1992)	Bangladesh Agricultural University, Mymensingh, Bangladesh	1992
M.Sc. & DIC in Environmental Technology	Imperial College of Science, Technology & Medicine, University of London, U.K.	1995

7. **Professional Carrier**

- (a) Worked as Research Associate in the Japan Bangladesh Joint Study on Agricultural and Rural Development (JSARD) Project funded by the JICA from July 1987 to May 1989.
- (b) Worked as Scientific Officer in the Farming Systems and Environmental Studies of Bangladesh Agricultural University, Mymensingh, Bangladesh from July 1990 to September 1994.
- (c) Worked as Project Consultant in the Farming Systems and Environmental Studies of Bangladesh Agricultural University, Mymensingh, Bangladesh from October 1995 to June

1996.

- (c) Served as Assistant Professor in the Department of Agronomy, Gazipur Agricultural University, Gazipur-1706 from 29 June, 1996 to 19 May, 2004.
- (d) Served as Associate Professor in the Department of Agronomy, Gazipur Agricultural University, Gazipur-1706 from 22 May, 2004 to 24 December, 2010.
- (e) Have been serving as Professor in the Department of Agronomy, Gazipur Agricultural University, Gazipur-1706 since 25 December, 2010.

8. Important Duties Performed

- (a) Has been serving as Dean, Faculty of Agriculture since June, 2025
- (b) Served as Head, Dept. of Agrometeorology.
- (c) Served as Director Transport.
- (d) Served as Proctor.
- (e) Served as Head, Dept. of Agro-Processing
- (f) Served as Head, Dept. of Agronomy

9. Research Interest

- (a) Weed Science
- (b) Environmental Science
- (c) Farming Systems
- (d) Agrometeorology

10. Courses Offered at undergraduate and postgraduate levels

- (a) AGR330: Weed Science
- (b) AGR516: Principles of Weed Science
- (c) AGR656: Rainfed Agronomy
- (d) AGR662: Weed Management
- (e) AGM561: Crop Weather Relationship
- (f) AGM590: Weather Forecasting and Agro-Advisory

11. Publications

I. Journal:

- (1) Akter, M.T., Mannan, M.A., **Bari, M.N.**, Akter, M., Sharif, D.A., Islam, M.S., Zulfiqar, U., Alotaibi, M.S., Alqahtani, M.D., & Gururani, M.A. 2026. Selection of soybean genotypes combining reduced trypsin inhibitors with protein enrichment and yield superiority. *Cogent Food & Agric.* 2026, 12(1), 2705011. <https://doi.org/10.1080/23311932.2026.2705011>
- (2) Alam, S., M. A. A. Mamun, M. R. Talukder and **M. N. Bari**. 2026. Root zone nitrogen application enhances plant survival, reduces lodging, and improves grain yield of rice under submergence conditions. *Ann. Bangladesh Agric.* 29(2): 67-91.
- (3) Akter, M.T., Mannan, A., **Bari, N.**, Akter, M., Dola, D.B., Islam, N., Zulfiqar, U., El-Beltagi, H.S., and Prasad, P.V.V. 2025. Two-year evaluation and integrative screening of waterlogging-tolerant sesame genotypes: insights from seedling stage to physiological, biochemical, and yield traits. *Archives of Agron. and Soil Sci.* 71(1): 1-20, DOI: 10.1080/03650340.2025.2589640.

- (4) Masuma, A., Mannan, M.A., Bari, N., Akter, M.T., and Jui, K.F. 2024. Screening of sesame (*Sesamum indicum*) genotypes against salinity at germination, flowering and harvesting stages AgroLife Sci.J., 13 (2): 27-39.
- (5) Fyroz, S.A., Islam, M.M., Islam, M.A., Zaman, E., Momtaz, M.B., Hossain, M.S., Jahan, N.A., Shams, S.-N.-U, Urmi, T.A., Rasel, M.A., Khan, M.A.R., Kamal, M.Z.U., Rahman, G.K.M.M., **Bari, M.N.**, Haque, M.M., and Murata, Y. 2023. Salicylic acid improves Agro-Morphology, Yield, and Ion Accumulation of Two Wheat (*Triticum aestivum* L.) Genotypes by Ameliorating the Impact of Salt Stress. Agronomy 2023, 13, 25. <https://doi.org/10.3390/agronomy13010025h>
- (6) Mannan, M.A., Yasmin, A., Sarker, U., **Bari, N.**, Dola, D.P., Higuchi, H., Ercisli, S., Ali, D., and Alarif, S. 2023. Biostimulant red seaweed (*Gracilaria tenuistipitata* var. *liui*) extracts spray improves yield and drought tolerance in soybean. PeerJ 11:e15588. <https://doi.org/10.7717/peerj.15588>.
- (7) Rana, S.S., Islam, M.R., **Bari, M.N.**, Mia, M.A.B., and Rahman, M.Z. 2021. Foliar applied Boron improves flag leaf reserves translocation, pollen viability and yield of aromatic monsoon rice. J. Fundamental and Applied Agric., 6(3): 232-244.
- (8) Sultana, D., **Bari, M.N.**, Mamun, M.A.A., Higuchi, H., and Karim, M.A. 2020. Genotypic difference in phenology and dry matter distribution pattern in soybean. Bangladesh J. Ecol., 2(1):13-18.
- (9) Sultana, D., **Bari, M.N.**, Mamun, M.A.A., Higuchi, H., and Karim, M.A. 2020. Grain growth and seed quality of some soybean genotypes. Bangladesh J. Ecol., 2(1):47-52.
- (10) Shibly, N.N., Islam, M.R., Hasan, M., **Bari, M.N.**, and Ahmed, J.U. 2020. Evaluation of yield and yield-related traits for waterlogging tolerance in mungbean genotypes using multivariate techniques. J. Agril. Sci., 65(2):99-120.
- (11) Zaman, E., Karim, M.A., **Bari, M.N.**, Akter, N., and Ahmed, J.U. 2016. Growth and yield performance of selected wheat varieties under water deficit conditions. Bangladesh J. Sci. Res. 29(2): 163-172.
- (12) Saif, H.B., **Bari, M.N.**, Islam, M.R., Rahman, M.A. 2016. Allelopathic Potential of Sunflower Extract on Weed Control and Wheat Yield under Subtropical Conditions. Int. J. Applied Agril. Sci., 2(4): 44-48.
- (13) Hasan, M.N., Khaliq, Q.A., Mia, M.A.B., **Bari, M.N.**, Islam, M.R. 2016. Chlorophyll Meter-Based Dynamic Nitrogen Management in Wheat (*Triticum aestivum* L.) Under Sub-Tropical Environment. Current Agriculture Res. J., 4(1): 54-61.
- (14) Haque, K.M.S., Karim, M.A., **Bari, M.N.**, Islam, M.R. 2016. Genotypic variation in the effect of drought stress on phenology, morphology and yield of rice. Int. J. Bioscience, 8(6):73-82.
- (15) Morshed, M.M., **Bari, M.N.**, Khaliq, Q.A., Alam, M.S. 2015. Effect of nitrogen on weed infestation and performance of Boro rice under two selected herbicides. *Bangladesh Agron. J.* 2015, 18(2): 53-63.
- (16) Ahmed, M.R., **Bari, M.N.**, Haque, M.M., Rahman, G.K.M.M. 2014. Effect of herbicide dose and water management on weed control efficiency and yield performance of Boro rice. J. Sci. Foundation 2014; 12(2): 39-46.
- (17) Mustari, S., **Bari, M.N.**, Islam, M.R., Karim, A.J.M.S. 2014. Evaluation of selected herbicides on weed control efficiency and yield of wheat. J. Sci. Foundation 2014; 12(2): 27-33.
- (18) Miah, M.G., **Bari, M.N.**, and Rahman, M.A. 2010. Resource degradation and livelihood in the coastal region of Bangladesh. *Front. Earth Sci. China.* 2010 4(4): 427-437.

- (19) **Bari, M.N.** 2010. Effects of herbicides on weed suppression and rice yield in transplanted wetland rice. *Pak. J. Weed Sci. Res.* 16(4): 349-361, 2010.
- (20) Murshed, M.J., **Bari, M.N.**, and Ahmed, J.U. 2010. Root growth characteristics and productivity of some chickpea genotypes under irrigated and non-irrigated conditions. *J. Sher-E-Bangla Agric. Univ.*, 4(1): 77-83.
- (21) **Bari, M.N.** and Islam, M.R. 2009. Selection of Mungebean Variety for Rice-Wheat-Fallow Cropping System- A Participatory Research and Development (PR&D) Approach. *J. Agric. Rural Dev.*, 7(1&2): 33-40.
- (22) Kabir, A.H.M., **Bari, M.N.**, Karim, M.A., Khaliq, Q.A., and Ahmed, J.U. 2009. Effect of sowing time and cultivars on the growth and yield of chickpea under rainfed condition. *Bangladesh J. Agril. Res.* 34(2):335-342.
- (23) **Bari, M.N.**, B. Tapader, G.J.U. Ahmed, M.A. Karim, and A.R.M. Solaiman. 2008. Effects of herbicides on weed control, crop yield and soil environment in transplanted aus rice. *Annals of Bangladesh Agriculture*, (2008): 77-85.
- (24) **Bari, M.N.**, Akhter, J., Hamid, A., and Haque, M.M. 2008. Effects of source and method of fertilizer application on nutrient use efficiency of lowland irrigated rice. *J. Sci. Foundation* 6(2): 35-40.
- (25) Kabir, M.H., **Bari, M.N.**, Haque, M.M., Ahmed, G.J.U., and Islam, A.J.M.S. 2008. Effect of water management and weed control treatments on the performance of transplanted aman rice. *Bangladesh J. Agril. Res.* 33(3):399-408.
- (26) **Bari, M. N.**, Islam, M. R., and Hamid, A. 2007. Selection of Mungbean Variety for Rice-Wheat-Fallow Cropping System- A Participatory Research and Development (PR&D) Approach. *Annals of Bangladesh Agriculture*; 11(1):45-55.
- (27) Roy, S. K., M. A. Karim, A. K. M. A. Islam, **M. N. Bari**, M. A. K Mian and H. Tetsushi. 2006. Relationship between yield and its component characters of bush bean (*Phaseolus vulgaris* L.). *South Pacific Studies*, 27(1):13-24.
- (28) Bhuiya, M.S.U., Hossain, S.M.A., and **Bari, M.N.** 2000. Effect of *Sesbania rostrata* as intercrop in aus rice and as green manure in aman rice. *Annals of Bangladesh Agric.*, 10(2):227-235.
- (29) Mitra, B.K., Karim, A.J.M.S., Haque, M.M., Ahmed, G.J.U., **Bari, M.N.** 2005. Effect of Weed Management Practices on Transplanted Aman Rice. *J. Agron.*, 4(3):238-241.
- (30) Miah, M.G., **Bari, M. N.**, and Rahman, M. A. 2003. Agricultural Activities and Their Impacts on the Ecology and Biodiversity of the Sundarbans Area of Bangladesh. *J. Natn. Sci. Foundation Sri Lanka*, 31(1 &2): 175-199.
- (31) Miah, M. G., **Bari, M. N.**, Islam, M. R., and Hirota, O. 2001. Green manuring with *Sesbania spp.* for maintaining rice productivity and soil environment. *Bulletin of the Institute of Trop. Agric., Kyushu Univ.*, Vol. 24, 2001, pp. 29-42.
- (32) Bhuiya, M.S.U., Hossain, S.M.A., and **Bari, M.N.** 2000. Effect of *Sesbania rostrata* as intercrop in boro rice and as green manure in aman rice. *Annals of Bangladesh Agric.*, 10(2): 237-248.
- (33) Ahmed, G.J.U., Hossain, S.T., Rahman, M.B., Kabir, M.S., and **Bari, M.N.** 1999. Chemical weed control in wet seeded rice. *J. Agricultural Education & Technology*, 1(2):75-80.
- (34) Anwar, S. M. S., Mamun, A. A., Nasim, M., and **Bari, M. N.** 1999. Weed Infestation in Boro Rice in the Haor Agroecosystem as Affected by Weeding Regime and Urea Topdressing. *Pakistan J. Sci & Ind. Res.*, 42(6): 349-354.
- (35) **Bari, M. N.**, Hall, D. O., Lucas, N., and Hossain, S. M. A. 1998. "Biomass energy use at the household level in two villages of Bangladesh: Assessment of field methods. *Biomass and*

Bioenergy, 15(2): 171-180.

- (36) Khaliq, Q.A., Sarkar, M.K., and **Bari, M.N.** 1998. Dry matter partitioning, pre-anthesis reserve translocation and yield of some selected indigenous and modern rice cultivars. *Bangladesh Agron. J.* 8(1&2):29-36.
- (37) **Bari, M.N.**, Mamun, A.A., and Anwar, S.M.S. 1995. Weed infestation in transplant aman rice as affected by land topography and time of transplanting. *Bangladesh J. Agril. Sci.*, 22(2): 227-235.
- (38) **Bari, M.N.**, Bhuiya, M.S.U., Hossain, S.M.A., and Alam, A.B.M.M. 1994. Production and utilization of different trees and plants for food, fodder, timber and fuel. *Bangladesh J. Agril. Sci.*, 21(2): 245-255.
- (39) **Bari, M.N.**, Mamun, A.A., Kamal, A.M.A., and Sarkar, M.A.R. 1994. Performance of transplant aman rice as affected by cultivar and weeding regime. *Bangladesh J. Crop Sci.*, 4(1,2):23-31.
- (40) Anwar, S.M.S., Mamun, A.A., Nasim, M., and **Bari, M.N.** 1994. Weed infestation in *boro* rice in *haor* agroecosystem as affected by rice cultivars and growth stages. *Annals of Bangladesh Agriculture*, 4(2): 101-108.
- (41) Islam, M.R., Chowdhury, A.K.M.S.H., and **Bari, M.N.** 1991. Determination of critical stages of weed infestation in BR12 aus rice. *Bangladesh J. Crop Sci.*, 2(2): 49-57.

II. Books/Monographs:

- (1) **Bari, M. N.** and M. R. Islam. 2006. Linking Farmers and Scientists: Participatory selection of mungbean variety for cereal-based cropping system in the north-western region of Bangladesh. In: Campilan, D., Bertuso, A., Ariyuabandu, R., and Sister, L. (eds.), *Learning participatory in Action: Field Research Experiences in South Asia*. CIP-UPWARD, Los Banos, Laguna, Philippines. Pp: 87-93.
- (2) Miah, M.G. and **Bari, M. N.** 2002. Sundarbans in Bangladesh: Land-use and Its Impacts. In: P.S.Ramakrishnan, R.K. Rai, R.P.S. Katwal, and S. Mehndiratta (eds.), *Traditional Ecological Knowledge for Managing Biosphere Reserves in South and Central Asia*. UNESCO. Oxford and IBH Publishing Co. Pvt. Ltd. New Delhi. Pp. 247-264.
- (3) Miah, M.G. and **Bari, M. N.** 2002. Ecology and Management of the Sundarbans Mangrove Ecosystem, Bangladesh. In: Mehndiratta, S. (Ed.), *Managing Trans-boundary Nature Reserves: Case Studies on Sunderbans Mangrove Ecosystems*. Occasional Papers. UNESCO, New Delhi. Pp. 1-44.
- (4) Bhuiya, M.S.U., **Bari, M.N.**, Ahammed, F, and Miah, M.G. 2000. *Krishibanayan* (Agroforestry). Hossain, S M A (Ed.). Sultan, S L (Pub.). Bangladesh Agricultural University, Mymensingh, Bangladesh. August, 2000.
- (5) Hossain, S.M.A. and **Bari, M.N.** 1996. Agroforestry farming system. In: Haque, M.A. (Ed.). *Agroforestry in Bangladesh*, Village and Farm Forestry Project. Swiss Development Cooperation, Dhaka, and Bangladesh Agric. Univ., Mymensingh, Bangladesh. pp. 21-29.
- (6) Alam, A.B.M.M. and **Bari, M.N.** 1993. Research planning and farmers' participation in FSR. *Farming Systems Research: A Training Manual*. Graduate Training Institute, Bangladesh Agric. Univ., Mymensingh, Bangladesh. pp. 82-94.

III. Workshop/Symposium Paper:

- (1) Bhuiya, M.S.U., **Bari M N**, and Hossain S M A. 1996. Biomass Energy Management in the Rural Areas of Bangladesh. *In: Changing Agricultural Opportunities: The Role of Farming Systems Approaches*. N.F.C. Ranaweera, H.P.M. Gunasena, and Y.D.A. Senanayake (eds.). Proc. 14th International Symposium on Sustainable Farming Systems, 11-16 November 1996, Colombo, Sri Lanka. Pp. 77-89.

IV. Project Research Reports:

- (1) **Bari, M.N.** 2012. Evaluation of herbicide use in Bangladesh with special reference to wetland rice. Krishi Gobeshona Foundation, BARC, Dhaka.
- (2) Miah, M.G., **Bari, M.N.**, Ahamad, T., Rahman, M.A., and Islam, S.M.F. 2010. Impacts of Anthropogenic Activities on natural resources and food security in the coastal region of Bangladesh. National Food Policy Capacity Strengthening Project (NFPCSP), Ministry of Food & Disaster Management in collaboration with FAO/EU/USAID.
- (3) Miah, M.G., **Bari, M.N.**, Ahamad, T., and Rahman, M.A. 2009. "Impacts of shrimp farming on agriculture, ecology and socio-economics in the coastal region of Bangladesh" (funded by USDA).
- (4) Hamid, A., **Bari, M.N.**, Haque, M.M., and Islam, S.M.F. 2002. A Preliminary Assessment of Peri-Urban Agriculture in Bangladesh: An Agronomic and Socio-Economic Analysis of Production, Consumption and Marketing of Agricultural Produces in Dhaka City. Ministry of Science and Technology, Government of the Peoples Republic of Bangladesh, Dhaka.
- (5) Miah, M.G. and **Bari, M. N.** 2001. Agricultural Practices and Their Impacts on the Ecology and Biodiversity of Sundarbans Area of Bangladesh. United Nations Educational, Scientific and Cultural Organization (UNESCO), New Delhi, India.
- (6) Bhuiya, M.S.U., Hossain, S.M.A., Dewan, S., Talukder, M.S.U., Islam, M.S., Salam, M.U., Alam, A.B.M.M., Kashem, M.A., and **Bari, M.N.** 1996. Alternate Rice-Fish System in the *Baid* Ecosystems of Mymensingh Region. *In: Preliminary Investigation of Floodplain Production Systems in Bangladesh*. Project Research Report, July 1996. University of Newcastle, University of Durham, ODA Natural Resources Systems Programme, U.K. pp. 155-202.
- (7) **Bari, M. N.**, Biswas, W.K., and Martin, J. 1995. Encouraging Renewable Energy Technologies in Developing Countries. Imperial College Center for Environmental Technology, London, U.K.
- (8) **Bari, M. N.**, Birse, J., Miller, A., and Muldoon, A. 1995. An Assessment of the Potential for Electricity Generation from Short Rotation Coppice Wood in the U.K. Imperial College Center for Environmental Technology, London, U.K.
- (9) **Bari, M. N.**, Bauen, A., Hormandinger, G., Miller, A., Tamura, S., and Wiltshire, V. 1995. Energy Systems in London: A Study on the Energy Use Characteristics in the White City and Shepherd's Bush Area. Imperial College Center for Environmental Technology, London, U.K.

V. Technology Booklet (In Bangla):

- (1) Mazid, M.A., Bakshi, B.C., Das, A.K., and **Bari, M. N.** 1992. *Dhaner Khete Mach Chash* (Fish Cultivation in Rice Field). Bangladesh Agricultural Research Council, Dhaka, Bangladesh.
- (2) Bhuiya, M.S.U. and **Bari, M. N.** 1994. African *Dhaincha* (*Sesbania rostrata*): Source of Green Manure and Fuel. Farming Systems and Environmental Studies, Bangladesh Agricultural University, Mymensingh, Bangladesh.
- (3) Bhuiya, M.S.U., Chowdhury, N.S., and **Bari, M. N.** 1997. Organic Matter Management in Banana Orchard with African *Dhaincha* (*Sesbania rostrata*). Farming Systems and

Environmental Studies, Bangladesh Agricultural University, Mymensingh, Bangladesh.

VI. Popular Article

- (1) **Bari, M.N.** 2022. Agacha domoney glyphosate er bebohar: poribesh o manob deher upor birup provab (Glyphosate use for weed control: adverse impact on environment and human health). Adhunik Krishi Khamar, Sept.-Oct. 2022, pp.43-46.