

Dr. MD. NAZRUL ISLAM
Ph.D. (MU, Australia)
M.S. in Soil Science (BAU, Bangladesh)
B.Sc.Ag. (PSTU, Bangladesh)

ABOUT ME:

Full Name: Md. Nazrul Islam

Sex: Male

Date of Birth: 1 October 1984

Place of Birth: Patuakhali, Bangladesh

PERMANENT ADDRESS:

C/O: Kazi Abul Hashem

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PRESENT ADDRESS:

Senior Scientific Officer, Soil Science Division, Bangladesh Rice Research Institute (BRRI),
Gazipur-1701, Bangladesh

EDUCATIONAL QUALIFICATION:

Name of Degree	School/College/University	Year of Passing	Division/CGPA	Position	Subject
Ph.D.	Murdoch University, Perth, Australia	2023	-	-	Agricultural Science
M.S. in Soil Science	Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh	2009	3.909 (out of 4.00)	3 rd	Soil Science
B.Sc.Ag. (Hons.)	Patuakhali Science and Technology University (PSTU), Bangladesh.	2008	3.84 (out of 4.00)	6 th	Agriculture
H.S.C.	Amritalal Dey College, Barisal, Bangladesh	2001	Second division (55.7% Marks)	-	Science
S.S.C.	Madhya Madanpura Secondary School, Bauphal, Patuakhali.	1999	First division (78.9% Marks)	-	Science

EMPLOYMENT:

Position	Organization	Duration
Senior Scientific Officer	Soil Science Division, BRRI, Gazipur.	24 November 2019 to present
Scientific Officer	Soil Science Division, BRRI, Gazipur.	3 June 2012 to 23 November 2019
Assistant Executive Officer	Janata Bank Ltd, Bangladesh.	12 October 2011 to 31 May 2012
Scientific Officer (Project)	Coordinated Project on Arsenic in Soil, Crop and Water System, Soil Science Division, BRRI, Gazipur.	29 May 2011 to 30 September 2011
Research Associate	Project on Leaching loss of N, P, K and S in Old Brahmaputra Floodplain Soil, Department of Soil Science, Bangladesh Agricultural University, Mymensingh, Bangladesh.	16 November 2008 to 15 November 2009

AWARDS & SCHOLARSHIPS:

- ▶ **Dr. H. S. Sen Best Poster Presentation Award (2021)** in the International Symposium on Coastal Agriculture (ISCA Webinar) during March 16-19, 2021, in India.
- ▶ **Australia Awards (2017)** for PhD (2018-22) at Murdoch University, Perth, Australia.
- ▶ **Scholarship** for on-the-job training (2015) at International Rice Research Institute, Philippines.
- ▶ **Books (2008)** from B.D.R. Welfare Association, Bangladesh, for the excellent result in B.Sc.Ag. course.
- ▶ **Certificate & Book (1999)** from Bauphal Upazilla Association, Dhaka, Bangladesh, for the excellent result in S.S.C. examination.
- ▶ **Educational Scholarship (1999)** from B.D.R. Welfare Association, Bangladesh, for the excellent result in S.S.C. examination.
- ▶ **Merit Scholarship (1999)** from Prime Minister Relief & Welfare Fund, Bangladesh, for the excellent result in S.S.C. examination.

RESEARCH WORKS:

- ▶ Effect of nano urea on rice cultivation (Precision agriculture)
- ▶ Soil management in reducing greenhouse gas emission
- ▶ Effectiveness of shallow surface and subsurface drains in alleviating waterlogging and salinity
- ▶ Effect of gypsum on soil salinity and rice yield in coastal areas
- ▶ Evaluation of salt tolerant rice varieties in salt affected soil
- ▶ Soil and plant nutrition for wetland rice under phosphorous deficient conditions
- ▶ IPNS based fertilizer management in coastal zone
- ▶ Nitrogen and potassium doses for targeted rice yield under AWD situation
- ▶ Effect of different rates of potassium (K) and nitrogen (N) on the yield of BRRI MV rice varieties
- ▶ Long-term missing element (N, P, K, S and Zn) effects on rice cultivation
- ▶ Nutrient Management for Rice in Unfavorable Ecosystems (saline, tidal, charland, submergence)
- ▶ Physico-chemical properties of coastal saline soil
- ▶ Impact of water management on the Arsenic content of rice grain in an arsenic-contaminated area
- ▶ Leaching loss of N, P, K and S in Old Brahmaputra Floodplain Soil

RESEARCH PROJECTS WITH GRANTS:

- ▶ Working Scientist: Feed the Future Bangladesh Climate Smart Agriculture Activity (CSA) funded by IFDC, USAID.
- ▶ Co-principal Investigator: Determination of Critical Limit of Nutrients for Soils and Crops, funding under PBRG of PIU-BARC Project ID-134, NATP-2.
- ▶ Working Scientist: Integrated Agricultural Productivity Project (IAPP) funded by World Bank. Project ID: P123457.
- ▶ Scientist: Coordinated Project on Arsenic in Soil, Crop and Water System financed under National Agricultural Technology Project (NATP), Ministry of Agriculture, Bangladesh.

RESEARCH INTERESTS:

- ▶ Precision agriculture
- ▶ Greenhouse gas emissions under intensive rice cultivation
- ▶ Impact of salinity and waterlogging on soil health and plant nutrition
- ▶ Ecology of saline/problem soil: nutrients cycling in saline soil/problem soil
- ▶ Saline soil management through organic and/or inorganic amendments
- ▶ Impact of climate change on soil fertility and soil salinity
- ▶ Sustainable farming/conservation agriculture
- ▶ Nutrient dynamics and management for long-term sustainable rice production with climate change
- ▶ Impact of wetland rice cultivation on climate change

- ▶ Nutrients (N, P, K and S) use efficiency for plants under changing climate
- ▶ Soil physics

TRAINING:

Sl. No.	Course Title	Duration	Year	Institution
1	IoT based Precision Agriculture for Sustainable Production	3 days	2023	Bangladesh Agricultural Research Council (BARC), Bangladesh
2	Smart Practices in Soil Health Management	5 days	2023	National Agriculture Training Academy (NATA), Bangladesh
3	Webinar on the Patent Cooperation Treaty (PCT) and Youth	2 days	2023	World Intellectual Property Organization (WIPO)
4	Public Service Innovation	2 days	2023	Bangladesh Rice Research Institute (BRRI), Bangladesh
5	Hybrid Rice Cultivation and Seed Production Technologies	5 days	2023	BRRI, Bangladesh
6	Climate Change, Carbon Sequestration and Adaptation Strategies	3 days	2023	BARC
7	Modern Management of Soil Health	5 days	2022	NATA, Bangladesh
8	Training in Advanced Statistical Analysis	4 days	2021	Murdoch University & CSIRO, Australia
9	Programming R for Experimental Design and Data Analysis	5 days	2017	BRRI, Bangladesh
10	Research on Nutrient Dynamics and Management in Long-Term Rice and Rice-Maize Cropping Systems	3 months	2015	International Rice Research Institute, Philippines
11	Fertilizer Recommendation Guide-2012	3 days	2014	BARC, Bangladesh
12	Hands on Training on Basic of Rice Modeling	5 days	2014	BRRI, Bangladesh
13	Rice Production	2 months	2014	BRRI, Bangladesh
14	Operation of Laboratory Equipment	3 days	2013	BRRI, Bangladesh
15	Agricultural Production System Simulation (APSIM) Model	2 days	2013	Bangladesh Agricultural Research Institute, Bangladesh
16	Rice Breeder Seed Production and Preservation	3 days	2013	BRRI, Bangladesh
17	Integrated Rice Production	1 week	2013	BRRI, Bangladesh
18	Rice Production Technology	1 week	2011	BRRI, Bangladesh
19	Basics of MS Office	2 weeks	2009	Graduate Training Institute, BAU, Bangladesh

LANGUAGE PROFICIENCY:

IELTS Overall Band Score 6.5 (24 March 2018)

Listening 7.0, Reading 6.0, Writing 6.0 and Speaking 6.0

MEMBERSHIPS:

- ▶ Member of International Society for Development and Sustainability (ISDS) (Membership ID: M171843)
- ▶ Editorial Board Member of Archives of Agriculture and Environmental Science (AAES) (eISSN: 2456-6632)
- ▶ Review Board Member of Acta Scientific Agriculture (ISSN: 2581-365X)

► Member of Bangladesh Rice Research Institute Scientist Association (BRRISA)

► Member of Krishibid Institution, Bangladesh (KIB)

PUBLICATIONS:

A. Scientific Journals

1. Islam, S.M.M., Gaihre, Y.K., **Islam, M.N.**, Jahan, A., Sarkar, M.A.R., Islam, A., Al Mahmud, A., Singh, U., Akter, M., Islam, M.R. 2024. Effects of integrated nutrient management and urea deep placement on rice yield, nitrogen use efficiency, farm profits and greenhouse gas emissions in saline soils of Bangladesh. *Sci. Total Environ.* **909**, 168660. <https://doi.org/10.1016/j.scitotenv.2023.168660>
2. **Islam, M.N.**, Bell, R.W., Barrett-Lennard, E.G., Maniruzzaman, M. 2022. Growth and yield responses of sunflower to drainage in waterlogged saline soil are caused by changes in plant-water relations and ion concentrations in leaves. *Plant Soil.* **479**:679–697. <https://doi.org/10.1007/s11104-022-05560-9>
3. **Islam, M.N.**, Bell, R.W., Barrett-Lennard, E.G., Maniruzzaman, M. 2022. Shallow surface and subsurface drains alleviate waterlogging and salinity in a clay-textured soil and improve the yield of sunflower in the Ganges Delta. *Agron. Sustain. Dev.* **42**, 16. <https://doi.org/10.1007/s13593-021-00746-4>
4. **Islam, M.N.**, Saha, P.K., Islam, S. 2017. Determination of Optimum and Economic Doses of Fertilizers for Rice Production in Saline and Charlands Ecosystem. *Bangladesh J. Agril. Res.* 42(3): 521-529. <http://doi.org/10.3329/bjar.v42i3.34511>
5. Al-Amin, M.A., Hasan, A.K., Ali, M.H., Nessa, S., **Islam, M.N.** 2017. Effect of Mulching and Organic Manure on Growth and Yield Performance of Wheat. *Arch. Agr. Environ. Sci.* 2(3): 134-140.
6. Sarkar, M.I.U., **Islam, M.N.**, Jahan, A., Islam, A., Biswas, J.C. 2017. Rice Straw as a Source of Potassium for Wetland Rice Cultivation. *Geology, Ecology, and Landscapes.* 1(3): 184-189. <https://doi.org/10.1080/24749508.2017.1361145>
7. Roy P.K., Ali, M.H., Kundu, P.K., Bari, M.N., **Islam, M.N.** 2017. Socioeconomic Status and Soil Crop Management Practices of the Farmers in Bangladesh. *App. Sci. Report.* 19(2): 55-61.
8. **Islam, M.N.**, Saha, P.K., Islam, S. 2017. Optimum and Economic Doses of Inorganic Fertilizers for Rice in Cold and Submergence Ecosystem of Bangladesh. *J. Sci. Achiev.* 2(3): 1-6.
9. **Islam, M.N.**, Islam, A., Biswas, J.C. 2017. Effect of Gypsum on Electrical Conductivity and Sodium Concentration in Salt Affected Paddy Soil. *Int. J. Agril. Papers.* 2(1): 19-23.
10. Kamrunnahar, Ahmad, S., Iqbal, M., **Islam, M.N.**, Islam, A. 2016. Effects of NPKS on Yield and Nutrition of BRRi dhan49. *Bangladesh Rice J.* 20(2): 39-47. <http://doi.org/10.3329/brj.v20i2.34127>
11. **Islam, M.N.**, Sarkar, M.I.U., Ali, M.H., Islam, A., Saha, P.K. 2016. IPNS Based Fertilizer Management for Rice in Coastal Zone of Bangladesh. *Bangladesh J. Agril. Res.* 41(4): 667-673. <http://doi.org/10.3329/bjar.v41i4.30699>
12. Saha, P.K., **Islam, M.N.**, Islam, M.S. 2016. Updating Nutrient Requirements for Rice-Based Cropping Systems in Non-Saline Tidal Flood Ecosystem. *Res. Crop Ecophysiology.* 11(1): 28-34. <http://journals.khuisf.ac.ir/roce/article-1-74-en.html>
13. **Islam, M.N.**, Saha, P.K., Ali, M.H., Anik, M.F.A. 2016. Evaluation of Fertilizer Requirement for Rice in Unfavorable Ecosystems of Bangladesh. *Eco-friendly Agril. J.* 9 (11): 83-87.
14. Karim, M.J., Jesmin, F., Ali, M.H., **Islam, M.N.**, Mahmud, E. 2016. Correlation and Path Coefficient Analysis for Quantitative Characters in T. Aman Rice. *Eco-friendly Agril. J.* 9 (11): 79-82.
15. Karim, M.J., Jesmin, F., Ali, M.H., **Islam, M.N.**, Mahmud, E. 2016. Variability, Heritability and Genetic Advances for Quantitative Characters in T. Aman Rice. *Int. J. Biological Papers.* 1(2): 1-5.
16. Islam, A., Saha, P.K., Iqbal, M., **Islam, M.N.**, Ahmed, M.N. 2016. Removal of Arsenic by Water Hyacinth from Arsenic Contaminated Water. *Int. J. Agril. Papers.* 1(2): 36-41.

17. **Islam, M.N.**, Islam, A., Biswas, J.C. 2016. Genotypic Variations in Modern Rice and Nitrogen Use Efficiency. *Int. J. Agril. Papers.* 1(2): 27-35.
18. Mahmud, E., Karim, M.R., Talukder, M.M.R., Hasan, G.N., **Islam, M.N.** 2016. Phenotypic Variability among Pumpkin Germplasm (*Cucurbita moschata* Duch. ex Poir.) in Southern Part of Bangladesh. *Int. J. Agril. Papers.* 1(2): 22-26.
19. **Islam, M.N.**, Rahman, M.M., Mian, M.J.A., Ali, M.H. 2016. Effect of Fertilizer Management on NPKS Leaching Loss from Sandy Loam Soil under Alternate Wetting and Drying Condition. *Bangladesh Rice J.* 20(1): 59-64. <http://doi.org/10.3329/brj.v20i1.30630>
20. Saha, P.K., Islam, S., **Islam, M.N.**, Biswas, J.C., Haque, M.M. 2016. Soil Plant Nutrient Status under Intensive Rice-Farming Systems in Unfavorable Eco-systems of Bangladesh. *Int. J. Biological Pharmaceutical Sci.* 2(2): 1-13. <http://ephjournal.com/index.php/bps/article/view/26>
21. **Islam, M.N.**, Alam, F., Saha, P.K., Shah, A.L., Islam A., Biswas, J.C. 2015. Effect of Magic Growth on Rice Yield. *Bangladesh Rice J.* 19(2): 91-97. <http://doi.org/10.3329/brj.v19i2.28169>
22. **Islam, M.N.**, Rahman, M.M., Mian, M.J.A., Khan M.H., Barua, R. 2014. Leaching Losses of Nitrogen, Phosphorus and Potassium from the Sandy Loam Soil of Old Brahmaputra Floodplain (AEZ-9) under Continuous Standing Water Condition. *Bangladesh J. Agril. Res.* 39(3): 437-446. <http://doi.org/10.3329/bjar.v39i3.21987>
23. Rahman, M.S., **Islam, M.N.**, Hassan, M.Z., Islam, S.A., Zaman, S.K. 2014. Impact of water management on the Arsenic content of rice grain and cultivated soil in an arsenic contaminated area of Bangladesh. *J. Environ. Sci. Nat. Resour.* 7(2): 43-46. <http://doi.org/10.3329/jesnr.v7i2.22202>
24. Barua, R., **Islam, M.N.**, Zahan, A., Paul, S., Shamsunnaher. 2014. Effects of Spacing and Number of Seedlings Hill⁻¹ on the Yield and Yield Components of BRRI dhan47. *Eco-friendly Agril. J.* 7(06): 65-68, 2014.
25. Barua, R., Ghoshe, A.K., Rahman, S.M., **Islam, M.N.**, Biswash, M.R. 2014. Contemporary Yielding Knowledge of Rice Cultivation at Grassroots Level- A Study. *Eco-friendly Agril. J.* 7(06): 61-64, 2014.
26. **Islam, M.N.**, Rahman, M.M., Mian, M.J.A., Barua, R., Kamal, A.M. 2013. Leaching Loss of NPKS in Silty Soil under Alternate Wetting and Drying Condition. *Eco-friendly Agril. J.* 6(04): 67-71.
27. **Islam, M.N.**, Rahman, M.M., Mian, M.J.A., Barua, R., Kamal, A.M. 2013. Leaching Loss of NPKS in the Old Brahmaputra Floodplain Soil under Continuous Standing Water Condition. *Eco-friendly Agril. J.* 6(04): 63-66.
28. Islam, M.S., Kamal, A.M., Islam, N., **Islam, M.N.**, Parvez, M.N. 2013. Performance of Trellis Grown Vegetable Crops Cultivated on the Ails of Transplant Aman Rice cv. BRRI dhan39. *Int. J. Sustain. Agril. Technol.* 9(1): 19-23.
29. Kamal, A.M., Alam, M.A., Uddin, M.Z., Hossain, M.M., **Islam, M.N.** 2012. Impact of Organic Fertilizer on Physical and Chemical Properties of Soil as well as Yield and Quality of Mango. *J. Bangladesh Soc. Agric. Sci. Technol.* 9(1&2): 167-170.

B. Book Chapter

1. Van Der Zee, S.E.A.T.M., Stofberg, S.F., Yang, X., Liu, Y., **Islam, M.N.**, Hu, Y.F. 2017. Irrigation and Drainage in Agriculture: A Salinity and Environmental Perspective. In: Kulshreshtha, S., Elshorbagy, A. (eds.). *Current Perspective on Irrigation and Drainage. InTech*, Rijeka, Croatia. pp. 1-21. <http://doi.org/10.5772/63177>

C. Proceedings

1. Iqbal, M., Hossain, A.T.M.S., Islam, A., Khan, F.H., **Islam, M.N.**, Biswas, J.C. 2016. Updating Fertilizer Doses through Site Specific Nutrient Management for Advanced Lines and BRRI Released Rice Varieties. In: Satter, M.A., Hossain, M.B., Bokhtiar, S.M., Ahmmed, S. (eds.). *Proc. of Research Review and Planning Workshop of Soils Program of NARS Institute*, 2015 held during 10-

12 August 2015 at BARC, Farmgate, Dhaka, Bangladesh. pp. 136-139.

2. Islam, A., **Islam, M.N.**, Iqbal, M., Khan, F.H., Biswas, J.C. 2016. Influence of Nitrogen and Potassium Rates on Performance of Modern Rice. In: Satter, M.A., Hossain, M.B., Bokhtiar, S.M., Ahmmed, S. (eds.). *Proc. of Research Review and Planning Workshop of Soils Program of NARS Institute*, 2015 held during 10-12 August 2015 at BARC, Farmgate, Dhaka, Bangladesh. pp. 140-144.
3. Islam, A., Iqbal, M., **Islam, M.N.**, Khan, F.H., Biswas, J.C. 2016. Development of fertilizer package for low input rice variety (BRRI dhan69). In: Satter, M.A., Hossain, M.B., Bokhtiar, S.M., Ahmmed, S. (eds.). *Proc. of Research Review and Planning Workshop of Soils Program of NARS Institute*, 2015 held during 10-12 August 2015 at BARC, Farmgate, Dhaka, Bangladesh. pp. 148-149.
4. **Islam, M.N.**, Sarkar, M.I.U., Iqbal, M., Islam, A., Biswas, J.C. 2016. Validation of BRRI Developed Fertilizer Management Technology at Farmers' Fields. In: Satter, M.A., Hossain, M.B., Bokhtiar, S.M., Ahmmed, S. (eds.). *Proc. of Research Review and Planning Workshop of Soils Program of NARS Institute*, 2015 held during 10-12 August 2015 at BARC, Farmgate, Dhaka, Bangladesh. pp. 158-160.

D. Abstracts

1. **Islam, M.N.**, Bell, R.W., Barrett-Lennard E., Maniruzzaman, M. 2021. The Combination of Shallow Surface and Subsurface Drains Alleviates Waterlogging and Salinity in a Clay-Textured Soil and Improves Sunflower (*Helianthus annuus* L.) Yield in the Ganges Delta. In: *Books of abstract, the International Symposium on Coastal Agriculture (ISCA Webinar): Transforming Coastal Zone for Sustainable Food and Income Security*, 16-19 March 2021, India. pp. 224.
2. **Islam, M.N.**, Saha, P.K., Sarkar, M.I.U. 2014. Fertilizer Management for Rice in Ganges Tidal Coastal Zone. In: *Abstracts of CPWF GDBC WLE Conference on Revitalizing the Ganges Coastal Zone*. 21-23 October 2014, Dhaka, Bangladesh. pp. 47.
3. **Islam, M.N.**, Alam, F., Islam, A., Saha, P.K. 2015. Nitrogen Requirements of Some BRRI Rice Genotypes. In: Saleque, M.A., Kashem, M.A., Ali, M.A., Kabir, M.S. (eds.). *Bangladesh Rice Research Abstract 2014*. Bangladesh Rice Research Institute, Gazipur 1701, Bangladesh. pp. 65-66.
4. Saha, P.K., Islam, S., **Islam, M.N.** 2015. Evaluation of Fertilizer Requirement for Cropping Patterns in Different Unfavorable Ecosystems of Bangladesh. In: Saleque, M.A., Kashem, M.A., Ali, M.A., Kabir, M.S. (eds.). *Bangladesh Rice Research Abstract 2014*. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. pp. 67.

E. Annual Research Review/Annual Report

1. Glover, M., Nanda, M., Ghoch, A., Sarker, K.K., Shahadat, M.K., Sarangi, S., Maniruzzaman, M., Hossain, M.B., Sarkar, S., **Islam, N.**, Mila, A.J., Paul, P.L.C., Barrett-Lennard, E., Gaydon, D., Mainuddin, M., Yesmin, M.S., Kabir, E., Rahman, H., Burman, D., Sarker, B.C., Sarker, M.R., Kamar, S.S.A., Kundu, P.K., Mandal, U.K., Brahmachari, K., Maji, B. 2020. The application of electromagnetic induction techniques to the salinity affected coastal zone of southern Bangladesh and West Bengal India. Final report for supporting ACIAR project LWR-2014-073, CSIRO Land and Water, Australia.
2. **Islam, M.N.**, Iqbal, M., Hossain, A.T.M.S., Islam, A., Islam, M.R. 2018. Performance of rice varieties under phosphorus deficient conditions. Annual Research Review 2017-18. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 16-21.
3. Islam, A., Iqbal, M., **Islam, M.N.**, Ahmed, M.N., Biswas, J.C. 2017. Nutrient management for growing four crops in a year. Annual Research Review 2016-17. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 18-21.
4. **Islam, M.N.**, Iqbal, M., Islam, A., Biswas, J.C. 2017. Performance of rice varieties under phosphorus deficient conditions. Annual Research Review 2016-17. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 29-37.
5. Iqbal, M., Sarker, I.U., **Islam, M.N.**, Islam, A., Biswas, J.C. 2017. Integrated nutrient management

- for double and triple rice cropping for maximizing productivity. Annual Research Review 2016-17. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 37-41.
6. Islam, A., Akter, M., **Islam, M.N.**, Iqbal, M., Biswas, J.C. 2017. Nitrogen and potassium ratio for BRRI dhan49 and BRRI dhan29 cultivation. Annual Research Review 2016-17. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 5-8.
 7. Islam, A., Iqbal, M., **Islam, M.N.**, Khan, F.H., Biswas, J.C. 2016. Fertilizer recommendation for low input rice variety (BRRI dhan69). Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 6-7.
 8. Islam, A., Akter, M., **Islam, M.N.**, Iqbal, M., Biswas, J.C. 2016. Influence of nitrogen and potassium rates on performance of modern rice. Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 22-26.
 9. Iqbal, M., **Islam, M.N.**, Islam, A., Biswas, J.C. 2016. Integrated nutrient management for double and triple rice cropping for maximizing productivity. Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 41-44.
 10. **Islam, M.N.**, Iqbal, M., Akter, M., Islam, A., Biswas, J.C. 2016. Performance of MV rice under phosphorus deficit conditions. Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 46-48.
 11. **Islam, M.N.**, Islam, A., Biswas, J.C. 2016. Effect of gypsum on rice yield and plant nutrition in saline soil. Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 61-64.
 12. **Islam, M.N.**, Iqbal, M., Islam, A., Biswas, J.C. 2016. Evaluation of salt-tolerant rice varieties in salt-affected soil. Annual Research Review 2015-16. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 65-68.
 13. Iqbal, M., Hossain, A.T.M.S., Islam, A., Khan, F.H., **Islam, M.N.**, Biswas, J.C. 2015. Updating fertilizer doses through site specific nutrient management for advanced lines and BRRI released rice varieties. Annual Research Review 2014-15. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 5-9.
 14. **Islam, M.N.**, Alam, F., Islam, A., Saha, P.K. 2014. Effect of N rates on yield of some newly released BRRI varieties/promising lines. Annual Research Review 2013-14. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 5-10.
 15. **Islam, M.N.**, Islam, A., Saha, P.K. 2014. Effect of K rates on grain yield of BRRI rice varieties. Annual Research Review 2013-14. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 10-12.
 16. **Islam, M.N.**, Sarkar, M.I.U., Islam, A., Islam, M.R., Ali, G., Kabir, M.H., Saha, P.K. 2014. Long-term missing element trial at BRRI regional stations. Annual Research Review 2013-14. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 16-20.
 17. **Islam, M.N.**, Sarker, M.I.U., Hossain, A.T.M.S., Saha, P.K. 2014. Validation of BRRI developed fertilizer management technology at farmers' fields. Annual Research Review 2013-14. Bangladesh Rice Research Institute, Gazipur-1701, Bangladesh. Chapter viii. pp. 24-27.

F. Poster

1. **Islam, M.N.**, Bell, R.W., Barrett-Lennard E., Maniruzzaman, M. 2021. The Combination of Shallow Surface and Subsurface Drains Alleviates Waterlogging and Salinity in a Clay-Textured Soil and Improves Sunflower (*Helianthus annuus* L.) Yield in the Ganges Delta. Presented in the International Symposium on Coastal Agriculture (ISCA Webinar): Transforming Coastal Zone for Sustainable Food and Income Security, 16-19 March 2021, India.
2. Islam, A., Akter, M., **Islam, M.N.**, Iqbal, M., Biswas, J.C. 2017. Nitrogen and Potassium Ratio for BRRI dhan49 and BRRI dhan29 Cultivation. Soil Science Division, BRRI, Gazipur.

G. Leaflet

1. Naher, U.A., Akther, M., Iqbal, M., Islam, T., Islam, S.M.M., **Islam, M.N.**, Paul, P.L.C., Islam, A. 2023. Physical, chemical and biological properties of saline soil. Bangladesh Rice Research Institute, Publication no.372. BRRI, Gazipur-1701. [10.13140/RG.2.2.30469.52962](https://doi.org/10.13140/RG.2.2.30469.52962)
2. Islam, A., Iqbal, M., Islam, S.M.M., Rahman, F., **Islam, M.N.**, Paul, P.L.C., Hossain, A.T.M.S. 2023. Fertilizer application considerations in rice cultivation. Bangladesh Rice Research Institute, Publication no.371. BRRI, Gazipur-1701. [10.13140/RG.2.2.25646.08005](https://doi.org/10.13140/RG.2.2.25646.08005)
3. Islam, A., Iqbal, M., Islam, S.M.M., **Islam, M.N.**, Paul, P.L.C., Haque, M.M., Hossain, A.T.M.S. 2023. Role of organic matter in rice cultivation and soil fertility. Bangladesh Rice Research Institute, Publication no.370. BRRI, Gazipur-1701. [10.13140/RG.2.2.20612.91528](https://doi.org/10.13140/RG.2.2.20612.91528)
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