

Curriculum Vitae

Name and address

Name : **Dr. MOSUD IQBAL**
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Present address : Soil Science Division
Bangladesh Rice Research Institute (BRRI), Gazipur-1701,
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Permanent address : Village: South Bhangnahati; PO: Sripur
Upazilla: Sripur; District: Gazipur
Date of birth : 18 June, 1981
Place of birth : Gazipur
Present position : Senior Scientific Officer
Nationality : Bangladeshi
National ID No : 19813328602003435
Field of specialization : Soil fertility, productivity and rice plant nutrition

Educational Qualification

Degree	Year	University/Institute/Board	Class/Grade/GP A
S.S.C	1997	Dhaka	First
H.S.C	1999	Dhaka	First
B. Sc. Ag.	2005	Sherebangla Agricultural University, Bangladesh	First
MS	2008	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh	A (3.61 out of 4)
PhD	2016	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Bangladesh	A (3.68 out of 4)

Employment

Position	Organization	Duration
Scientific Officer	Bangladesh Rice Research Institute	12 November, 2007 to 14 December, 2014
Senior Scientific Officer	Bangladesh Rice Research Institute	15 December, 2014 to present

Training

Organization	Year	Duration		Name of Programme
		Months/weeks	Days	
BIRRI, Gazipur	2008	-	03	Breeder Seed Production and preservation of Rice
BARC, Dhaka	2009	-	03	Use of Fertilizer Recommendation Guide
GTI, Mymensingh	2010	Two Weeks	-	Research Methodology
IRRI, Dhaka	2010		03	Statistical Analysis of field Experimental Data Using Cropstat
BIRRI, Gazipur	2010	One Month	-	Rice Production Training
BIM, Dhaka	2018	Two weeks		Financial Management
Long ping high Tec. China	2018	Two month		Hybrid rice production
BARC, Dhaka	2019	-	03	Implementation and reporting of NUMAN project.
BIRRI, Gazipur	2020	-	05	Rice physiological improvement through trait discovery.
BARC, Dhaka (online)	2021	-	03	Climate Change, Carbon Sequestration and Adaptation Strategies

Major Research works

1. Determination of nutrient use efficiency of BIRRI developed rice varieties through omission plot technique.
2. Response of different rice varieties to soil Arsenic
3. Development of arsenic speciation (Inorganic Arsenic) method of rice grain of different varieties using Hydride Generated Atomic Absorption Spectrophotometer (HG-AAS).
4. Suitable and profitable nutrient management of rice in coastal soils of Bangladesh.
5. Response of rice to phosphorus and potassium fertilization in coastal soils of Bangladesh.
6. Improvement of industrial polluted soil health with organic amendments for sustainable crop production.
7. Delineating of rice yield limiting soil factors of some selected soils of Bangladesh.
8. Integrated nutrient management for double and triple rice cropping for maximizing Productivity
9. Influence of nitrogen and potassium rates on performance of modern rice
10. Nitrogen and K dose for targeted rice yield under AWD situations
12. Development of fertilizer package for low input rice variety (BIRRI dhan69)
13. Long-term effect of organic and inorganic nutrients on yield and yield trend of low land rice
14. Validation of BIRRI developed fertilizer management technology at farmers' fields
15. Performance of NP compound fertilizer with Boro rice

16. Nutrient management for conservation agriculture
17. Long term missing element trials
18. Regional Yield Maximization Trial (RYMT) under Recommended Management Practices
19. Nitrogen Response Behavior of BIRRI developed Promising lines
20. Soil management to maximize the yield of newly released rice varieties.

Research interest:

1. Nutrient cycling in rice field
2. Interaction effects among soil nutrients on rice
3. Mitigation of greenhouse gases from agriculture
4. Enhancing nutrient (N, P, K and S) use efficiency for rice
5. Ecology of Saline/Problem Soil: Cycling of nutrients in saline soil/problem soil for rice
6. Mitigation of salinity from rice soil
7. Fertilizer management in saline/problem soil for rice
8. Arsenic speciation (As^{III}, As^V, MMA and DMA) study in rice plant
9. Mechanism study of micronutrient content of different micronutrient (e.g. Zn) enriched rice varieties.

Academic and professional Publications:

In total of 24 publications. Some publications are given below:

- Md. Imran Ullah Sarkar, Afsana Jahan, Umme Aminun Naher, **Mosud Iqbal**, Md. Abdullah Al Mamun, Jatish Chandra Biswas & Md. Rafiqul Islam, Organic and inorganic amendment of wetland paddy soil for five years: effects on phosphorus fraction dynamics. 2020. Journal of Crop Improvement, DOI: 10.1080/15427528.2020.1784343.
- Afsana Jahan, Aminul Islam, Md. Imran Ullah Sarkar, **Mosud Iqbal**, Md. Nayeem Ahmed & Md. Rafiqul Islam (2020): Nitrogen response of two high yielding rice varieties as influenced by nitrogen levels and growing seasons. 2020. Geology, Ecology, and Landscapes, DOI: 10.1080/24749508.2020.1742509
- M Iqbal**, G K M M Rahman, G M Panaullah, H Kabir and J C Biswas. Influence of Soil Arsenic Levels on Biomass Production and Relationship the Concentration of Arsenic between Rice Straw and Grain.2019. AJSSPN, 5(2): 1-10.
- M Iqbal**, G K M M Rahman, G M Panaullah, M Rahman and J C Biswas. Response of Yield and Yield Attributes of Different Rice Genotypes to Soil Arsenic. 2016. Roce Vol. 11 /1, Issue 1:1-17.
- M Iqbal**, M Hasan, M S Ali, M A K Mian, M M Hossain and M N Ahmed. In vitro callus induction and plant regeneration capacity of six aromatic rice varieties. 2013. Intl. J. BioRes. 15(4): 55-60.
- M Iqbal**, M N Ahmed, MIU Sarkar, MM Rana and MH Kabir. Effect of tillage on crop productivity under rice-maize-mungbean cropping system. 2014. Eco-friendly Agril. J. 7(05): 45-49.

M Iqbal, M N Ahmed, MIU Sarkar, F Alom and MM Rana. Response of Modern and Hybrid Rice Varieties to Different Levels of Nitrogen Under Rice-Rice Cropping Pattern. 2014. Eco-friendly Agril. J. 7(10): 105-109.

M Iqbal, Akter M, Islam A, J. C. Biswas. 2017. Performance of Nitrogen Phosphorus compound fertilizer in Boro rice. Int J Med Invest. 6(1): 4-10

S H Bhuiyan, A Zahan, H Khatun, **M Iqbal**, F Alom and R. Manir. Yield Performance of Newly Developed Test Crossed Hybrid Rice Variety. 2014. Intl. J. of Agronomy and Agricultural Research. 5(4): 48-54.

FH Khan, Jatish C Biswas, MR Islam, SS Dipti, MM Haque, **M Iqbal**, M Akhter, and HU Ahmed. Efficiency of joining agronomic and hereditary Bio-fortification of rice with zinc in Bangladesh. 2018. Eco-friendly Agril. J. 11(08): 84-87.

FH Khan, M Adil, S Jahan, **M Iqbal**, MM Mozumder, A Sultana, MM Houque, MR Islam, MM Mian, and HU Ahmed. Consequence of foliar application of silicon on yield and quality of rice in T. Aman season of Bangladesh. 2018. Eco-friendly Agril. J. 11(09): 88-92.

FH Khan, M Adil, MM Mozumder, A Sultana, **M Iqbal**, MM Houque, MR Islam, MM Mian and JC Biswas. Updating Fertilizer Doses Through Site Specific Nutrient Management For BRRI Released Rice Varieties. 2018. Eco-friendly Agril. J. 11(09): 93-95.

Kamrunnahar M, Ahmad S, **Iqbal M** , Akter M, Islam A. 2017. Effects of some major plant nutrients on growth and yield of wet season rice. Journal of Scientific Achievements. 2(4): 5-15.

International seminar/workshops attended as contributor:

Participated and presented papers in five International conferences, workshops and symposium.

Countries visited: Nepal, China