

CURRICULUM VITAE

PERMANENT ADDRESS:

Dr. Md.Mozammel Haque

Village: Babupur, P.O.: Natuda,
Upozilla:Mujibnagar Zilla: Meherpur,
Bangladesh

PRESENT ADDRESS:

Senior Scientific Officer
Soil Science Division
Bangladesh Rice Research Institute
Gazipur-1701, Bangladesh
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EDUCATIONAL QUALIFICATION:

Certificate Degree	Field of Specialization	Name of Institution Attended	Duration of course	Class
Ph.D.	Greenhouse gas emission, Carbon sequestration, Rice productivity	Gyeongsang National University, Jinju, South Korea	Awarded (September 2010 – August 2014)	--
M.S.	Soil Science	Bangladesh Agricultural University, Bangladesh	January 2000 - June 2001	First class
B.Sc.Ag	Agriculture	Bangladesh Agricultural University, Bangladesh	January 1993 – December 1999	Second class

RESEARCH EXPERIENCE:

1. Ph. D. Fellow: September 2010 – August 2014

Work: I have experience in greenhouse gas emission (CH₄, CO₂ and N₂O emission) determined from rice paddy field under aerobic and anaerobic condition. I have developed management practices for reduced greenhouse gas emission as well as mitigation global warming potential. I have work on carbon sequestration using CH₄ and CO₂ emission analysis technique. I have also work dissolve organic carbon, hot water extractable carbon, carbohydrate, microbial biomass carbon, dissolve organic nitrogen, Exc. K, Available P, S, Zn and others element analysis.

2. Now I have used cool farmland beta-3 tools for determination of greenhouse gas emission under major cropping pattern in Bangladesh. I have also work on soil physics like soil carbon aggregate, bulk density and other properties.

3. Now also I have experience in greenhouse gas emission and emission factor (CH₄, CO₂ and N₂O emission) determined from wheat, maize, potato, jute and mustard crops in rice soil under different condition. I have developed management practices for reduced greenhouse gas emission as well as mitigation global warming potential from major crops in Bangladesh.

4. M.S. research project: Jun 2000 - June 2001

Work: P, K and Ca sorption and physio-chemical properties determine at variable pH and texture

from rice soils.

PROFICIENCY IN ANALYTICAL TECHNIQUES / COMPUTERS:

Technical Skills/Instrumentation handling:

1. Enzyme preparation for biochemical assays using homogenization and ultrasonication techniques.
2. Enzyme purification by ammonium sulfate precipitation, ion exchange chromatography and good hand with enzyme assay development and inhibition study of enzyme.
3. Experience in handling of Colorimeter, Microwave oven, Ultrasonication, Micro centrifuge, Laminar air flow, Autoclave, UV-Vis spectrophotometer, Fourier Transform Infrared Spectroscopy, High Performance Thin Layer Chromatography, High Performance Liquid Chromatography, Gas chromatography.
4. Wastewater analysis by using the following methods: biological oxygen demand (BOD), chemical oxygen demand (COD) and total organic carbon (TOC).

Computer literacy: MS office, Data analysis using Graph Pad, ACD chemsketch software, Sigma plot.

TITLE OF Ph.D. THESIS: Ph.D. completion date - August, 2014

“Effective Cover Crop and Water Management to Decrease Methane Emission and Sustain Soil Organic Carbon Stock in Rice Paddy”.

Research publications: International journal (47)

Total Citations: 496 h-index:12 i10-index:13

1. **Haque, M.M., J. C. Biswas., 2021.** Emission factors and global warming potential as influenced by fertilizer management for the cultivation of rice under varied growing seasons. Environmental Research. 197, 111156. **Doi:10.1016/j.envres.2021.111156**
2. **Haque, M.M., J.C. Biswas., M. Maniruzaman., M.B. Hossain., M.R.Islam., 2021.** Water management and soil amendment for reducing emission factor and global warming potential but improving rice yield. Paddy and water environment. **DOI 10.1007/s10333-021-00851-w**
3. **Haque, M.M., J.C. Biswas., M. Maniruzaman., S. Akhter., M. S. Kabir., 2020.** Carbon sequestration in paddy soil as influenced by organic and inorganic amendments, Carbon Management, <https://doi.org/10.1080/17583004.2020.1738822>
4. **Haque, M.M., J.C. Biswas., M. R. Islam., A. Islam., M. S. Kabir., 2019.** Effect of long-term chemical and organic fertilization on rice productivity, nutrient use-efficiency, and balance under a rice-fallow-rice system, Journal of Plant Nutrition, DOI: 10.1080/01904167.2019.1659338.
5. **Haque, M.M., J.C. Biswas., H.Y. Hwang., P.J. Kim., 2019.** Annual net carbon budget in rice soil. Nutrient Cycling in Agroecosystems, <https://doi.org/10.1007/s10705-019-10029-w>
6. **Haque, M.M., J.C. Biswas., M. Akter., M. Maniruzaman., M. S. Kabir., 2019.** Carbon Budget and Aggregate Stability of Paddy Soil under Continuous Organic Amendment.

Communications in soil science and plant analysis.
<https://doi.org/10.1080/00103624.2019.1635148>

7. **Haque, M.M.,** A.L.Shah., J.C. Biswas., M. R. Islam., A. Islam., U. A. Naher., **2019.** Effect of missing nutrient elements on grain yield of wet season rice in Bangladesh. *Americal Journal of Plant sciences.* 10: 631-639.
8. **Haque, M.M.,** J. C. Biswas., M. A. Alam., P. J. Kim., **2018.** Contribution of Rice Plants and Cover Crop Biomass Amended Soil on Methane Emission. *American Journal of Climate Change.* 7: 477-485.
9. **Haque, M. M.,** J. C. Biswas., M. Maniruzzaman., A. K. Choudhury., U. A. Naher., M. B. Hossain., S. Akhter., F. Ahmed., N. Kalra., **2017.** Greenhouse Gas Emissions from Selected Cropping Patterns and Adaptation Strategies in Bangladesh. *International Journal of Development Research.* 7:16832-16838
10. **Haque, M.M.,** J.C.Biswas., M.Akter., P. J. Kim., **2017.** Soil respiration from paddy field in relation to incorporated cover crop biomass composition. *Journal of Soil Science and Environmental Management.* 8:122-129.
11. **Haque, M.M.,** J. C. Biswas., S. Y.Kim., P. J. Kim., **2017.** Intermittent drainage in paddy soil: ecosystem carbon budget and global warming potential. *Paddy and water environment.* 15: 403-411.
12. **Haque, M.M.,** G.W.Kim., P.J. Kim., S.Y. Kim., **2016** Comparison of net global warming potential between continuous flooding and midseason drainage in monsoon region paddy during rice cropping. *Field Crops Research.* 193:133-142
13. **Haque, M. M.,** J. C. Biswas., S. Y. Kim., P. J. Kim., **2016.** Suppressing methane emission and global warming potential from rice fields through intermittent drainage and green biomass amendment. *Soil Use and Management.* 32:72-79.
14. **Haque, M. M.,** J. C. Biswas., T.R. Waghmode., P. J. Kim., **2016.** Global warming as affected by incorporation of variably aged biomass of hairy vetch for rice cultivation. *Soil Research.* 54:346-353.
15. **Haque, M.M.,** S.Y. Kim., M.A. Ali., P.J. Kim., **2015.** Contribution of greenhouse gas emissions during cropping and fallow seasons on total global warming potential in mono-rice paddy soils. *Plant and Soil.* 387:251–264.
16. **Haque, M.M.,** S.Y. Kim., G.W. Kim., P.J. Kim., **2015.** Optimization of removal and recycling ratio of cover crop biomass using carbon balance to sustain soil organic carbon stocks in a mono-rice paddy system. *Agriculture, Ecosystems & Environment.* 207:119–125.
17. **Haque, M. M.,** M.A. Saleque., A.L. Shah., J. C. Biswas., P. J. Kim., **2015.** Long-Term Effects of Sulfur and Zinc Fertilization on Rice Productivity and Nutrient Efficiency in Double Rice Cropping Paddy in Bangladesh. *Communications in Soil Science and Plant Analysis.* 46:2877-2887.
18. **Haque, M.M.,** M. A. Saleque., A. L. Shah., **2015.** Effect of Long-Term Fertilization on Rice Productivity and Nutrient Efficiency under Double Cropping System. *Aperito Journal of Biochemistry and Biochemical Techniques.* 1:105.
19. **Haque, M.M.,** M. A. Saleque., A. L. Shah., T. R .Waghmode., **2014.** Effects of Long-Term Fertilization and Soil Native Nutrient on Rice Productivity in Double Rice Cultivation System. *Aperito Journal of Biochemistry and Biochemical Techniques.* 1:103.
20. **Haque, M.M.,** S.Y. Kim., P. Pramanik., G.Y. Kim., P. J. Kim., **2013.** Optimum application level of winter cover crop biomass as green manure under considering methane emission and rice productivity in paddy soil. *Biology and Fertility of Soils.* 49:487-493.
21. **Pramanik. P., M. M. Haque.,** P. J. Kim., **2013.** Effect of nodule formation in roots of hairy vetch (*Vicia villosa*) on methane and nitrous oxide emissions during succeeding rice cultivation. *Agriculture, Ecosystems and Environment.* 178:51– 56.

22. Pramanik. P., **M. M. Haque.**, S.Y. Kim., P.J. Kim., 2014. C and N accumulations in soil aggregates determine nitrous oxide emissions from cover crop treated rice paddy soils during fallow season. *Science of the Total Environment*. 490:622–628.
23. Kim, G.Y., J. Gutierrez., H. C. Jeong., J. S. Lee., **M. M. Haque.**, P. J. Kim., 2014. Effect of Intermittent Drainage on Methane and Nitrous Oxide Emissions under Different Fertilization in a Temperate Paddy Soil During Rice Cultivation. *Journal of the Korean Society for Applied Biological Chemistry*. 57:229-236.
24. Lee, S. B., **M.M. Haque.**, P. Pramanik., S. Y. Kim., P. J. Kim., 2011. Comparison of carbon sequestration potential of winter cover crop cultivation in rice paddy soil. *Korean Journal of Environmental Agriculture*. 3:234-242.
25. Waghmode, T.R., **M.M. Haque.**, S.Y. Kim., 2015. Effective Suppression of Methane Emission by 2-Bromoethanesulfonate during Rice Cultivation *Plos One*. doi:10.1371/journal.pone.0142569.
26. Saha, P. K., S. Islam., M. N. Islam., J. C. Biswas., **M.M. Haque.**, 2016. Soil Plant Nutrient Status under Intensive Rice-Farming Systems in Unfavorable Eco-systems of Bangladesh. *International Journal of Chemical and Pharmaceutical*. 2:1-13.
27. Hwang, H.Y., G.W. Kim., S.Y. Kim., **M.M. Haque.**, M.I. Khan., P.J. Kim., 2017. Effect of cover cropping on the net global warming potential of rice paddy soil. *Geoderma*. 292:49-58.
28. Biswas, J.C., **M. M. Haque.**, P.K. Saha., 2017. Rice Yield Potential under Unfavorable Soil Ecosystems in Bangladesh. *Asian Journal of Soil Science and Plant Nutrition*. 1:1-10.
29. Biswas, J.C., M. Maniruzzaman., U. A. Naher., **M.M. Haque.**, M. B. Hossain., M. M. Rahman., M. M. U. Miah., A. K. Choudhury., S. Akhter., F. Ahmed., M. A. Hamid., N. Kalra., J Furuya., 2017. Future Climate Change Scenarios and Anticipated Performance of Major Cereals in Bangladesh. *International Journal of Agriculture and Environmental Research*. 3, 4123-4148.
30. Maniruzzaman, M., J. C. Biswas., M. B. Hossain., **M.M. Haque.**, U. A. Naher., A. Biswas., A. K. Choudhury., S. Akhter., F. Ahmed., M. M. Rahman., N. Kalra., 2017. Evaluating the CERES-Rice model under dry season irrigated rice in Bangladesh: Calibration and validation. *Journal of Agricultural and Crop Research*. 5, 96-107.
31. Ahmed, F., A. K. Choudhury., S. Akhter., M. A. Aziz., J.C. Biswas., M. Maniruzzaman., M. M. Miah., M. M. Rahman., M. A. H. S. Jahan., I. M. Ahmed., R. Sen., S. Ishtiaque., A. F. M. Tariqul Islaml., **M. M. Haque.**, M. B. Hossain., N. Kalra., M. H. Rahman., 2017. Calibration and Validation of Decision Support System for Agro-Technology Transfer Model for Simulating Growth and Yield of Maize in Bangladesh. *American Journal of Plant Sciences*. 8:1632-1645.
32. Maniruzzaman, M., J. C. Biswas., M. B. Hossain., **M.M. Haque.**, U. A. Naher., N. Kalra., 2018. Extreme Temperature Events and Rice Production in Bangladesh. *Environment and Natural Resources Research*. Vol. 8, No. 4.
33. Maniruzzaman, M., J. C. Biswas., M. B. Hossain., **M.M. Haque.**, U. A. Naher., A. K. Choudhury., S. Akhter., F. Ahmed., R. Sen., S. Ishtiaque., M. M. Rahman., N. Kalra., 2018. Effect of Elevated Air Temperature and Carbon Dioxide Levels on Dry Season Irrigated Rice Productivity in Bangladesh. *American Journal of Plant Sciences*. 9, 1557-1576.
34. Biswas, J. C., J.C., **M.M. Haque.**, M. Akter., A. T. M. S. Hossain., F. H. Khan, M. Z. I. Baki., A. B. S. Sarker., M. R. Islam., 2018. Element Composition of the Atmospheric Depositions in Bangladesh. *Journal of Environmental Protection*. 9, 948-956.
35. Biswas, J. C. **M.M. Haque.**, F.H. Khan., M.R. Islam., S.S. Dipti., M. Akter., H.U. Ahmed., 2018. Zinc fortification: Effect of polishing on parboiled and unparboiled rice. *Current Plant Biology*. 16, 22–26.
36. Biswasa, J. C. N. Kalrab., M. Maniruzzamanc., A.K. Choudhuryd., M.A.H.S. Jahand., M.B. Hossainc., S. Ishtiaqued., **M.M. Haque.**, W. Kabira., 2018. Development of mungbean model

- (MungGro) and its application for climate change impact analysis in Bangladesh. *Ecological Modelling*. 384, 1-9.
37. Biswas, J.C., M. Maniruzzaman., **M.M. Haque.**, M. B. Hossain., M. M. Rahman., U. A. Naher., M. H. Ali., W. Kabir., **2019**. Extreme Climate Events and Fish Production in Bangladesh. *Environment and Natural Resources Research*. Vol. 9, No. 1.
 38. Biswas, J.C., M. Maniruzzaman., U. A. Naher., T. Zahan., **M.M. Haque.**, M. H. Ali., W. Kabir., N. Kalra., S. Rahnamayan., **2019**. Prospect of Developing Soil health Index in Bangladesh. **Current Investigations in Agriculture and Current Research..** 6,735-743.
 39. Biswas, J.C., N. Kalra., M. Maniruzzaman., **M. M. Haque.**, U. A. Naher., M. H. Ali., W. Kabir., S. Rahnamayan., **2019**. Soil Fertility Levels in Bangladesh for Rice Cultivation. *Asian Journal of Soil Science and Plant Nutrition* 4: 1-11.
 40. Sarkar, M.I.U., A. Jahan., **M. M. Haque.**, S. M. M. Islam., M. N. Ahmed., M. R. Islam., **2019**. Long Term Effects of Integrated Plant Nutrition System on Rice Yield, Nitrogen Dynamics and Biochemical Properties in Soil of Rice-rice Cropping System. *Asian Journal of Soil Science and Plant Nutrition* 4: 1-14.
 41. Biswas, J.C., **M. M. Haque.**, M. Maniruzzaman., M. H. Ali., W. Kabir., N. Kalra., **2019**. Natural hazards and livestock damage in Bangladesh. *Natural Hazards*. <https://doi.org/10.1007/s11069-019-03768-0>.
 42. Biswas, J.C., A. F. M. T. Islam., **M. M. Haque.**, M. Maniruzzaman., M. B. Hossain., A. K. Choudhury., U. A. Naher., M. H. Ali., W. Kabir., N. Kalra., S. Rahnamayan., **2019**. Socio-Ecological Vulnerabilities and Major Cereal Crops Production in Bangladesh. *Journal of Food Science and Engineering*. 9:231-243.
 43. Biswas, J.C., N. Kalra., M. Maniruzzaman., U.A. Naher., **M. M. Haque.**, **2019**. Soil health assessment methods and relationship with wheat yield. *Open Journal of Soil Science*. 9:189-205.
 44. Naher, U.A., M.B. Hossain., **M.M. Haque.**, M. Maniruzzaman., A.K.Choudhury., J.C. Biswas., **2020**. Effect of long-term nutrient management on soil organic carbon sequestration in rice–rice–fallow rotation. *Current Science*, 118 (4).
 45. Biswas, J.C., M. B. Hossain., M. Maniruzzaman., **M. M. Haque.**, S. Akhter., U. A. Naher., M. M. Rahman., T. K. Adhya., M. A. Sutton., **2021**. Spatio-temporal distribution of reactive nitrogen species in relation to wheat cultivation in Bangladesh. *SN Applied Science*
 46. Biswas, J.C., M.R.Islam., **M.M. Haque.**, A. Hamid., **2021**. Minor Cereal Crops Production and their Future Prospects in Bangladesh. *Asian Soil Research Journal*, 5(1):48-56.
 47. Biswas, J.C., M. Maniruzzaman., **M.M. Haque.**, M. B. Hossain., A. Hamid., N. Kalra., **2021**. Major fruit crops production in Bangladesh and their relationships with socio-ecological vulnerabilities. *Journal of Food Science and Nutrition Research* 4: 118-130.

Research publications: National journal (18)

1. **Haque, M. M.**, Mian, M. J. A., Islam, M. R., Uddin, M. K., Mondol, M. R. H., 2007. Sorption behaviour of phosphorus, potassium and calcium in different soil texture. *International Journal of Bioresearch*. 2(1):14-21.
2. **Haque, M. M.**, Rashid, M. H., Aziz, M. A., Uddin, M. K., 2006. Sorption behaviour of phosphorus, potassium and calcium in different soils of available pH. *International Journal of Sustainable Agricultural technology*. 2(5):12-18.
3. Shah, A. L., Islam, M. R., **Haque, M. M.**, Ishaque, M., Miah, M. A. M., 2008. Efficacy of major nutrients in rice production. *Bangladesh Journal of Agricultural Research*. 33(3):639-645.

4. Shah, A. L., **Haque, M. M.**, Zaman, S. K., 2008. Implications of long-term missing element trial: Efficacy of potassium fertilizer to increase rice yield. *Bangladesh Rice Journal*.14 (1&2):55-59.
5. Saleque, M. A., Mahmud, M. N. H., Khatun, A., **Haque, M. M.**, Hossain, A.T. M. S., Zaman, S. K., 2008. Soil Qualities of saline and non-saline deltas of Bangladesh. *Bangladesh Rice Journal*. 14(1&2):99-111.
6. Aziz, M. A., Miah, M. A. M., **Haque, M. M.**, Uddin, M. K., 2004. Performance of fused magnesium phosphate fertilizer on the growth and yield of wetland rice. *Journal of subtropical agricultural research and development*. 2(3):15.
7. Aziz, M. A., Hashem, M. A., Ahamed, K. U., **Haque, M. M.**, 2004. Effect of salinity on growth and nitrogen fixation of cyanobacteria. *Bangladesh Journal of progressive science and technology*. 2(2):193-196.
8. Uddin, M. S., Rashid, M. H., Mohiuddin, M., Rahman, H., **Haque, M. M.**, 2008. Effect of split application of N and K fertilizer and bagging on the growth and yield of Banana. *International journal of bio research*. 5(4):21-25.
9. M. K. Uddin., M. K. Hasan., **M. M. Haque.**, M. H. Rashid., M. R. Amin. 2007. Effect of sowing dates on yield and yield Attributes of soybean genotypes. *Intl. J. BioRes*. 3(2):13-17.
10. Sarder M. M., Mondol, M. R. H., Hossain, M. F., Anwar, M. B., **Haque, M. M.**, 2010. Effect of different fungicides in controlling stemphylium blight and their effect on growth and yield of lentil. *International journal of bio research*. 8(4):1-5.
11. Islam, M.Z., Islam, M.S., Masum, M.M., Islam, S.M.M., **Haque, M.M.**, 2010. Performance of different organic management and biological means against bacterial leaf blight (BLB) of rice. *Journal of patuakhali science and technology university*.2 (1):45-50.
12. Parveen, S., Hassah, M.N., **Haque, M.M.**, Sattar, M.A., 2014. Effect of irrigation interval based on perched water table depth for water saving and fertilization method in rice cultivation. *Journal of agricultural engineering*. 41 (2):43-48.
13. Haq, M.T., M. Akter., **M.M. Haque.**, 2016. Performance of Summer Onions at Kotalipara, Gopalganj. *Eco-friendly Agriculture Journal*. 9 (06): 27-28.
14. Khan, F.H., M. Iqbal., M.M. Majumder., A. Sultana., **M.M. Haque.**, M.R. Islam., P.K. Saha., J.C. Biswas., 2018. Assessment of NP composite (NPC) fertilizer on Boro rice. *Eco-friendly Agriculture Journal*. 11(11):135-142.
15. Khan, F.H., M. Adil., S. Jahan., M. Iqbal., M.M. Majumder., A. Sultana., **M.M. Haque.**, M.R. Islam., M.S. Mian., H.U. Ahmed., 2018. Consequence of foliar application of silicon on yield and quality of rice in t. aman season of Bangladesh. *Eco-friendly Agriculture Journal*. 11 (09): 88-92.
16. Khan, F.H., M. Adil., M.M. Majumder., A. Sultana., M. Iqbal., **M.M. Haque.**, M.R. Islam., M.S. Mian., J.C. Biswas., 2018. Management for BRRI released rice varieties *Eco-friendly Agriculture Journal*. 11 (09): 93-95.
17. B C Nath, B.C., M.G.K. Bhuiyan., **M.M. Haque.**, D. Chanda., M.A. Rahman., H. B. Shozib., 2019. Use of Zn enriched rice byproduct as Zn fertilizer. *Journal of Agricultural Engineering*. 42:59-62.
18. Hossain, M.B., M. Maniruzzaman., J.C. Biswas., **M.M. Haque.**, N. Kalra., 2020. Irrigation Strategy for Crop Production in Northwest and Southwest Region of Bangladesh. *The Agriculturists* 18(2):126-139.

1. **Haque, M.M.,** J. C. Biswas., M. Maniruzzaman., A. K. Choudhury., U. A. Naher., B. Hossain., S. Akhter., F. Ahmed., N. Kalra., **2019.** Greenhouse Gas Emissions from Selected Cropping Patterns in Bangladesh. <https://doi.org/10.1007/978-3-319-90086-5> (Book chapter).
2. Biswas, J.C., **M. M. Haque.,** P. K. Saha., **2019.** Soil Calcium, Magnesium and Potassium Status: Concern for Rice Production in Bangladesh under Unfavorable Ecosystems New Perspectives in International Plant and Soil Research Vol. 1 DOI: 10.9734/bpi/npipsr/v1 (Book chapter)
3. **Haque, M.M.,** J. C. Biswas., M. Maniruzzaman., S. Akhter., M. B. Hossain., **2019.** Greenhouse gas emissions from rice and non rice based cropping patterns in Bangladesh. [Krishi Gobeshona Foundation, BARC complex, Farmgate-1215, Dhaka, Bangladesh. Page no 55-66.](#) (Book chapter)
4. Haque, M.M., J.C. Biswas., 2020. Long term impact of fertilization on soil and rice productivity. Springer Nature Singapore Pte Ltd. 2020 https://doi.org/10.1007/978-981-15-6953-1_8

MANUSCRIPT UNDER REVISION:

1. **Reduction in tillage operations for minimizing greenhouse gas emission and global warming potential under rice-mustard-rice cropping system (Agriculture, Ecosystems and Environment)**
2. **Coastal and marine pollution in Bangladesh: pathways, hotspots and adaptation strategies (European Journal of Environment and Earth Sciences)**
3. **Quadruple cropping patterns in Bangladesh: Scope and limitations (Annals Agricultural Sciences)**

PRESENTATIONS AT ACADEMIC CONFERENCES: (5)

1. **Haque MM, Kim SY, Kim PJ,** Considering Minimum Recycling Ratio of Cover Crop Biomass to Maintain Soil Carbon Stock in Rice Paddy .Soil organic matter international conference, Nanjing, China. May 2012
2. **Haque MM, Kim SY, Kim PJ,** Effect of Intermittent drainage on suppressing CH₄ emission and Global warming potential under cover crop biomass amendment during rice cultivation conference on soil science organized by Korean society of soil science and fertilizer, Suwon, South Korea. July 2014.
3. **Waghmode TR, Haque MM, Kim SY, Kim GW, Young H, Kim PJ,** A combined effect of ethylenediaminetetraacetic acid and 2-bromoethanesulfonate on methane production in soil, conference on soil science organized by Korean society of soil science and fertilizer, Suwon, South Korea. Dec. 31-Nov. 1st, 2013
4. **Jatish C. Biswas, Haque MM, Maniruzzaman M, Akhter S, Kabir W,** Methane Emission and Carbon Budget during Wet Season Rice Cultivation International conference on climate knowledge, Gobeshona5, IUB, Dhaka, 8-11 January, 2018

5. **Md Mozammel Haque MM, Akhter S, Biswas JC, Maniruzaman M, Kabir MS**, Influence of nitrogen sources on nitrous oxide emission during maize, wheat and potato cultivation in Bangladesh. International conference on climate knowledge, Gobeshona5, IUB, Dhaka, 8-11 January, 2019

POSTER PRESENTATION

1. **Md. Mozammel Haque, Prabhat Pramanik , Sang Yoon Kim, and Pil Joo Kim** Optimum Application Level of Winter Cover Crop Biomass as Green Manure under Considering Methane Emission and Rice Productivity in Paddy Soil
2. **Md. Mozammel Haque, Sang Yoon Kim, Tatoba R. weghmode, Pil Joo Kim**, Individual contributions from the soil and rice plant on CH₄ emissions during rice cultivation in green manure-amended paddy soil Korean society of soil science and fertilizer conference, May, 2013.
3. **Md. Mozammel Haque, Sang Yoon Kim, Pil Joo Kim**, Considering Minimum Recycling Ratio of Cover Crop Biomass to Maintain Soil Carbon Stock in Rice Paddy
4. **Md. Mozammel Haque, Pil Joo Kim**, Suppressing methane emission and global warming potential from rice field through intermittent drainage and green biomass amendment
5. **Md. Mozammel Haque¹, Jatish Chandra Biswas and Pil Joo Kim**, Pattern of greenhouse gas emission from cultivated and fallow land in a temperate paddy soil

OTHER INFORMATION / EXTRA CURRICULAR ACTIVITIES:

1. Award of Best presenter on research presentation Gyeongsang National University, Korea, September, 2012.
2. Best presenter on Poster presentation, Korean society of soil science and fertilizer conference, May, 2013.
3. Young pioneer Researcher Award Dean of the Graduate school, Gyeongsang National University, 29th May, 2013.
4. Best presenter on research presentation Gyeongsang National University, Korea, October, 2013.
5. Excellent Presentation Award, Director of the Brain Korea 21 Plus program, Gyeongsang National University, Korea, November, 2013.
6. Young scientist Award Dean of the Graduate school, Gyeongsang National University, 28th May, 2014
7. PAWEES Paper Award, 2018

PERSONAL DETAILS:

Name	Dr. Md.Mozammel Haque
Father Name	Late Md. Mohiuddin Molla
Date of Birth	01.12.1973
Nationality	Bangladeshi

REFERENCES:

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DECLARATION:

I, Dr. Md.Mozammel Haque, hereby declare that all the above information is correct to the best of my knowledge.

Place: Meherpur, Bangladesh.


(Dr. Md.Mozammel Haque)