



Curriculum Vitae of Professor Dr. Md. Abdul Baset Mia

Md. Abdul Baset Mia, Ph.D is a Crop Botanist and Professor of Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur, Bangladesh. He graduated from the Bangladesh Agricultural University, Mymensingh, Bangladesh with Bachelor of Science in Agriculture (Honors) and Master of Agriculture in Crop Botany in 1989 and 1993, respectively.

He obtained his Ph. D degree from the University Putra Malaysia in 2002 and did postdoctoral research from the same university in 2010.

He started his career as scientist in nuclear agriculture at the Bangladesh Institute of Nuclear Agriculture (BINA), Mymensingh since 1990 and subsequently changed his career to academician at the Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) in 2004. He has been supervised quite a good number of Ph.D. and M.S. students. A good number of research articles in different esteemed journals along with two books have been published by him.

Prof. Mia also performed extracurricular activities as head of the department and provost of the students' dormitory of BSMRAU.

Education

- ✚ Postdoctoral Fellow (Nitrogen Fixation in Rice) in 2010, University Putra Malaysia (UPM)
- ✚ Ph. D. (Soil Microbiology and Biofertilizer) in 2002, University Putra Malaysia (UPM)
- ✚ M.Sc. (Ag.) in Crop Botany (First Class) (1993), Bangladesh Agricultural University, Mymensingh, Bangladesh
- ✚ B. Sc. Agriculture (Honors) (First Class) (1989), Bangladesh Agricultural University, Mymensingh, Bangladesh
- ✚ Higher Secondary Certificate (H S C) (Science) (Second Division) (1982), Dhaka Board, Bangladesh
- ✚ Secondary School Certificate (S S C) (Science) (First Division) (1980), Dhaka Board, Bangladesh

Contact Address

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Date of Birth and Nationality: 10 February, 1965, Bangladeshi

Employment Record

- i) Professor in the department of Crop Botany, BSMRAU, Gazipur, Bangladesh since 29 August 2008.
- ii) Associate Professor in the department of Crop Botany, BSMRAU, Gazipur, Bangladesh from 30 May 2004 to 28 August 2008.
- iii) Senior Scientific Officer, Division of Crop Physiology, Bangladesh Institute of Nuclear Agriculture, Mymensingh, Bangladesh from 2 March 1999 to 29 May 2004.
- iv) Scientific Officer, Division of Crop Physiology, Bangladesh Institute of Nuclear Agriculture, Mymensingh, Bangladesh from 13 August 1990 to 1 March 1999.

Major Skills

- ❖ Experienced in micropropagation of banana seedlings through tissue culture technique
- ❖ Skilled in production of biofertilizer for nonlegumes
- ❖ Skilled in hydroponics and soilless culture of crop plants
- ❖ Skilled in light, scanning and transmission electron microscopy (SEM and TEM)
- ❖ Skilled in atomic absorption spectrophotometry, emission spectrophotometry
- ❖ Experienced in enzyme assay using spectrophotometer
- ❖ Portable photosynthetic meter (Licor 6200) and gas chromatography (GC)

Major Research Foci

- ❖ Plant image analysis and digital herbarium
- ❖ Biochemical and anatomical features of crop plants under salt stress
- ❖ Plant growth promoting rhizobacteria on crop plants
- ❖ Hydroponics and soilless culture of crop plants

Current Research Project as Project Investigator/Project Manager

1. “Establishment of digital herbarium and herbal museum for improving academic and research capability in crop botany”, supported by University Grants Commission (UGC), Ministry of Education, Government of the People’s Republic of Bangladesh and financed by the World Bank, amounting 187.50 (thousand US\$)
2. Physiological aspects of salinity tolerance in aromatic fine rice, funded by University Grants Commission (UGC), Ministry of Education, Government of the People’s Republic
3. Amelioration of salinity in tomato by exogenous application of calcium

Offering Courses

Graduate Level

1. Plant Nutrition I (CBT531)
2. Plant Nutrition II (CBT 625)
3. Developmental Plant Biology (CBT 620)

Undergraduate level

1. Plant Anatomy & Embryology (CBT 255)
2. Plant Taxonomy

Professional Affiliation

- ✓ Bangladesh Association for the Advancement of Sciences (BAAS)
- ✓ Bangladesh Botanical Society
- ✓ Bangladesh Society of Agronomy
- ✓ Plant Breeding and Genetics Society of Bangladesh
- ✓ Bangladesh Krishibid Institution
- ✓ Bangladesh Society for Horticultural Science
- ✓ Bangladesh Association of Environment Development
- ✓ Bangladesh Crop Science Society
- ✓ Malaysian Society for Plant Physiology
- ✓ Malaysian Society of Soil Science

Award and Recognition

Malaysian Society of Plant Physiology Award (Gold Medal) in 2003

H-index: 11

I- 10- index: 11

LIST OF PUBLICATION

Text Book

1. Mia MAB 2015. Nutrition of Crop Plants. Nova Publisher, New York www.novapublisher.com ISBN 978-1-63482-803-1.
2. Mia MAB, Shamsuddin ZH. 2013. Biofertilizer for Banana Production. Lambert Academic Publisher, Germany, ISBN 978-3-659-42564-6.

Journal Papers (International)

1. **Mia MAB**, Naher UA, Panhwar QA and Islam, MT. 2016. Growth Promotion of Non-legumes by the Inoculation of Bacillus species. In: Bacillus: The Phytostimulator, Islam et al. eds. Springer (In press)
2. Islam, MS, **Mia MAB**, Das MR, Hossain, T, Ahmed JU, Hossain MM. 2014. Sex phenology of bitter gourd (*Momordica charantia* L.) landraces and its relation to yield potential and fruit quality. Pak. J. Agri. Sci. 51(3): 651-658
3. **Mia M.A.B**, Hossain, M.M., Islam MS, Shamsuddin, Z.H 2014. Altered sex expression by plant growth regulators: An overview in medicinal vegetable bitter gourd (*Momordica charantia* L.) J. Med. Plants. Res. 8(8):361-367. DOI: 10.5897/JMPR10.032
4. **Mia M.A.B**, Hossain, M.M., Shamsuddin, Z.H., Islam, M.T. 2013. Plant-Associated bacteria in nitrogen nutrition in crops, with special reference to rice and banana. Bacteria in Agrobiolgy: Crop Productivity, Maheshwari DK ed., Springer-Verlag Berlin Heidelberg. ISBN 978-3-642-37240-7. 97-126 DOI 10.1007/978-3-642-37241-4_5
5. **Mia MAB**, Islam MS, Miah MY, Das MR and Khan HI. 2013. Flower synchrony, growth and yield enhancement of small type bitter gourd (*Momordica charantia* L.) through plant growth regulators and NPK fertilization. Pakistan J Biol Sci. DOI:10.3923/pjbs.2013.
6. Das MR, Hossain T, **Mia MAB**, Ahmed JU, Karim AJMS and Hossain MM. 2013. Fruit Setting Behavior of Passion Fruit. Am. J. Plant Sci. 4: 1066-1073.
7. Das, M.R., Hossain T., **Mia M.A. B.**, Ahmed J.U., Karim A.J.M. S. and Hossain M. M. 2013. Blooming Pattern of Passion Fruit Flower (*Passiflora edulis* Sims.) under Diversified Flashes. Am. Agric. Biol. Sci. 8(3):173-181. DOI:10.3844/ajabssp.2013.173.181.
8. Das, MR, **Mia MAB**, Hossain T, Ahmed JU, Hossain MM and Khaleque, M. 2013. Floral attributes of passion fruit (*Passiflora edulis* Sims.) at different flashes. Pakistan J. Agric. Sci.50(1)1-6 1.24
9. **Mia MAB** and Shamsuddin ZH. 2014. Altered ionic ratio and enhanced seedling vigor in rice (*Oryza sativa* L.) by the inoculation of rhizobial growth enhancer. Am. J. Agric. Biol. Sci. (In press) 1.36

10. **Mia MAB**, Das MR, Kamruzzaman M and Talukder NM 2012. Biochemical traits and physico-chemical attributes of local aromatic-fine rice land races in relation to yield potential. *Am. J. Plant Sci.* 3(12A):1788-1795.
11. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2012. Effects of rhizobia and plant growth promoting bacteria inoculation on germination and seedling vigor of lowland rice. *Afr.J Biotechnol.* 11 (16), 3758-3765, DOI: 10.5897/AJB09.1337
12. Islam M. S., **Mia M. A. B.**, Hossain T., Ahmed J. U and Khan H I. 2012. Priming on embryo emergence and seedling vigor of small fruited bitter melon (*Momordica charantia* L.) under suboptimal temperature. *International Journal of Agricultural Science and Research (IJASR)*. 2(3) 1-10.
13. **Mia, M.A.B.**, Shamsuddin, Z.H. 2011. Physio-morphological appraisal of aromatic fine rice (*Oryza sativa* L.) in relation to yield potential. *Int. J. Bot.* 7 (3): 223-229. DOI:10.3923/ijb.2011.223.229
14. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2010. Rhizobacteria as bioenhancer for growth and yield of banana (*Musa* spp. cv. "Berangan"). *Scientia Horticulturae*. 126 (2): 80-87. Doi: 10.1016/j_scienta.2010.06.005.
15. **Mia, M.A.B.** and Shamsuddin, Z.H. 2010. Nitrogen fixation and transportation by rhizobacteria : A scenario of rice and bananas .*Intl. J. Bot.* 6(3): 235-242. DOI: 10.3923/ijb.2010.235.
16. Razzaque M. A., Talukder N. M., Islam M. S., Bhadra A.K and **Mia M.A.B.** 2010. Salinity effect on germination and mineral content in seedling of different rice genotypes. *J Expt. Biosci.*1(1): 95-100
17. **Mia, M.A.B.** and Shamsuddin, Z.H. 2010. Rhizobium as a Crop Enhancer and Biofertilizer for Increased Cereal Production. *Afr. J. Biotechnol.* 9(37):6001-6009.
18. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2009. The effect of rhizobacterial inoculation on growth and nutrient accumulation of tissue-cultured banana plantlets under low N-fertilizer regime. *Afr. J. Biotechnol.* 8 (21):5855-5866. DOI: 10.5897/AJB09.882.
19. **Mia MAB** and Shamsuddin, Z.H. 2009. Enhanced Emergence and Vigour Seedling Production of Rice through Plant Growth Promoting Bacterial Inoculation. *Res. J. Seed Sci.*, 2: 96-104.
20. **Mia, M.A.B.** and Shamsuddin, Z.H. 2009. Use of Plant Growth Promoting Bacteria in Banana: A New Insight for Sustainable Banana Production. *Intl J Agric. Biol.* 12(3):459-467. DOI: 09-279/SBC/2010/12-3-459-467.
21. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2010 Rhizobacterial Inoculation on Growth and Nitrogen Incorporation in Tissue-cultured *Musa* Plantlets under Nitrogenfree Hydroponics Condition. *Australian J. Crop Sci.* 4(2): 85-90.
22. Razzaque, M.A., **Mia, MAB**, Hakim, M.A, Talukder, N.M. and Dutta, R.K. 2011. Adjustment of Mineral Ratio and Composition in Rice Genotypes under Varied Salinity Regimes. *Archives of Agronomy and Soil Science* 57: (3) 251-259(9) DOI: 10.1080/03650340903386321.
23. Razzaque M. A., Talukder N. M., Islam M. S., Bhadra A.K and **Mia M.A.B.** 2009. Effect of Calcium Supplementation on N, P, K, Na, Ca, Mg and S Content in Shoot of Rice under Different Salinity Levels. *International Journal of Agriculture Environment and Biotechnology*, 2009 2: (3): 243-254.
24. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2007. Associative nitrogen fixation by *Azospirillum* and *Bacillus* spp. in bananas. *Infomusa* 16 (1&2): 11-15.
25. Islam, M.Z., **Mia, M.A.B.**, Islam, M.R. and Akter, A.2007. Biochemical attributes of mutant rice under different saline levels. *International Journal of Sustainable Crop Production* 2(3):17-21.
26. Islam, M.Z., **Mia, M.A.B.**, Islam, M.R. and Akter, A. 2007. Effect of different saline levels on growth and yield attributes of mutant rice. *J. Soil. Nature* 1(2): 18-22.
27. **Mia, M.A.B.**, Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2005. High-yielding and quality banana production through plant growth promoting rhizobacterial inoculation. *Fruits*: 60:179-185.

28. Dutta, R.K., **Mia, M.A.B.** and Khanam, S. 2002. Plant architecture and growth characteristics of fine grain and aromatic rice and their relation with grain yield. *International Rice Commission Newsletter*.51: 63-70.
29. Dutta, R.K., **Mia, M.A.B.**, Lahiri, B.P., Uddin, M.M. and Mondal, M.A. 1998. Growth and yield of lentil in relation to population pressure. *LENS* 25: (1&2).27-29.AGRIS.
30. Dutta, R.K., Lahiri, B.P., **Mia, M.A.B.** 1998. Characterization of Some Aromatic and Fine rice Cultivars in Relation to their Physico-chemical Quality of Grains. *Indian Journal of Plant Physiology* 3(1):61-64. Springer
31. Dutta, R.K., **Mia, M.A.B.**, Lahiri, B.P and Salam, M.A. 1997. Assessment of grain yield and quality improvements in rice by modern breeding techniques in bangladesh and projections of future rice improvements. *International Rice Commission Newsletter* 46: 63-70.

National Journal

32. Das, MR, T. Hossain, Mia M. A. B. 2016. Quality Attribute of passion fruit under varied Flashes. *Bangladesh Journal of Botany* (In press).
33. Solaiman ARM, Hossain GMA and **Mia MAB.** 2011. Effect of Rhizobium on Growth and Biomass Production of Rice. *Bangladesh J Microbiol*, 28 (2):64-68.
34. **Mia, M.A.B.**, Akter, S., Molla, A.H. and Rahman, G.K.M.M. 2007. Poultry manure with inorganic nitrogen on growth and yield of onion (*Allium cepa* L.). *The Agriculturist* 5(1&2):101-108. DOI: 10.3329/agric.v5i1.5204
35. **Mia, M.A.B.**, Islam, M.A. and Faroque A.A. 2007. Influences of nitrogen fertilizer on biochemical attributes of potato in relation to yield potential. *The Agriculturist* 5(1&2):
36. **Mia, M.A.B.**, Ahsan, A.F.M.S., Rahman, M.A. and Karim, A.J.M.S. 2007. Poultry manure and bulking agent effects on the nutrient uptake and yield of onion. *Annals of Bangladesh Agriculture* 11 (2): 83-93.
37. Islam, M.A., **Mia, M.A.B.** 2007. Effect of nitrogen on dry matter distribution and yield potential in potato. *Bangladesh Journal of Environmental Sciences* 13 (1): 77-80.
38. **Mia, M.A.B.**, Faroque, M. A.A., Rahman, G.K.M.M and Islam, M.A., 2007. Effect of urea-N on some biochemical parameters and yield of sesame. *Progressive Agriculture* 18 (1): 75-84.
39. Islam, M.A., **Mia, M.A.B.** and Begum, R. A. 2006. Accumulation and partitioning of nitrogen in relation to yield potential of potato when urea applied as N-source. *Progressive Agriculture*. 27(2): 17-25.
40. Monira, U.S., Miah, M.Y., **Mia, M.A.B.** and Rahman, G.K.M.M. 2007. Tomato fruit yield in response to organic manuring. *Journal of Agricultural Education and Technology* 10 (1&2): 81-86.
41. Rahman, M.K., **Mia, M.A.B.**, Hossain, M. and Uddin, M.N. 2005. Effect of nitrogen on some morpho-physiological characters and yield of mustard. *Bangladesh Journal of Progressive Science and Technology*. 3(2): 123-126.
42. Siddique, M.S.K., **Mia, M.A.B.** and Dutta, R.K. 2005. Biochemical and yield profile of aromatic fine rice as influenced by nitrogen and potassium application. *Bangladesh Journal of Nuclear Agriculture*, 19&20: 73-82.
43. **Mia, M. A. B.**, Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 2000. Rhizobacterial colonization pattern and their influence on root stimulation of hydroponically-grown tissue-cultured banana plantlets. *SoilTech*, 7(1): 10-12.
44. **Mia, M.A.B.**, Islam, A.F.M.S., and Dutta, R.K. 1996. Physiological appraisal of sesame in relation to growth and yield. *Bangladesh Journal of Nuclear Agriculture*, 12:39-44.

45. Dutta, R.K, Islam , A.F.M.S., **Mia, M.A.B.**, Majid, M.A. and Lahiri, B.P. 1995. Comparative assessment of tomato varieties/advanced lines in relation to growth, yield and quality. *Bangladesh Journal of Nuclear Agriculture*, 11: 27-35.
46. **Mia, M.A.B.**, Salam, M.A., Chowdhury, S.I., Islam, A.F.M.S., and Dutta, R.K. 1994. Morpho-physiological studies in relation to yield potential of rice. *Bangladesh Journal of Nuclear Agriculture*, 10: 45-50.
47. **Mia, M.A.B.**, Ali, M.A., Wazuddin, M., Karim, M.A. and Razzaque, M.A. 1994. Morphology and yield performance of some coarse and fine rice varieties. *Bangladesh Journal of Nuclear Agriculture*, 10: 67-74.
48. **Mia, M.A.B.**, Salam, M.A., Islam, M.T., Islam, A.F.M.S., Chowdhury, S.I. and Dutta, R.K. 1992. Variation in morphophysiological attributes of advanced rice lines developed through tissue culture. *Bangladesh Journal of Nuclear Agriculture*, 7&8: 69-77.
49. Islam, A.F.M.S., Salam, M.A., Solaiman, A.R.M., Hamid, M.A. and **Mia, M.A.B.** 1993. Effect of planting date on the growth and yield of cauliflower cultivars. *Bangladesh Journal of Agricultural Sciences*, 20 (1): 47-52.
50. Islam, A.F.M.S., Solaiman, A.R.M., Hasan, A.F.M.F. and **Mia, M.A.B.** 1993. Effect of mixtalol and nitrogen on the growth and yield of cabbage. *Bangladesh Journal of Crop Sciences*, 4 (1&2): 11-16.

Proceedings

51. **Mia, M.A.B.**, Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 2002. Root Stimulation and nutrient Accumulation of Hydroponically-grown Tissue-Cultured Banana Plantlets Inoculated with Plant Growth Promoting Rhizobacteria at Lower Level of N Fertilizer. In: *Biofertilizer in Action* eds: Kennedy, I. 64-72. RIRDC, Australia.
52. **Mia, M. A. B.**, Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 2002. Plant Growth Promoting Rhizobacteria for Banana Production under Hydroponics Condition. In: *Sustainable Land Management*. eds: Shamsuddin, J., Hamdan, J. and Samsuri, A.W. pp 185-190. Malaysian Society of Soil Science, Kuala Lumpur.
53. Shamsuddin, Z. H., Amir, H. G., **Mia, M. A. B.**, Premalatha, P., Halimi, M. S., Khor, S. K., Marziah, M., Arif, A. B. and Ooi, T. C. 2001. Commercial Production of Biofertilizer and Bioenhancer using Azospirillum and Bacillus Spp. for Improved Growth of Oil Palm Seedlings and Bananas. In: *Biotechnology for Sustainable Utilization of Biological Resources in the Tropics*. eds: Yoshida, T., Seki, T., Pornchai, M., Ebor, R. V., Sukara, E. and Ismail, M. A. K. M. 15:212-217 Osaka, Japan.
54. Shamsuddin, Z. H., Amir, H. G. Mia, M. A. B., Halimi, M. S., Zakaria, W. and Marziah, M. 1999. Symbiotic and Associative N₂ Fixation with Vegetable Soybean, Oil Palm and Bananas In: *Biotechnology for Sustainable Utilization of Biological Resources In The Tropics*. eds: Yoshida, T., Seki, T., Pornchai, M., Ebor, R. V., Sukara, E. and Ismail, M. A. K. M. 14: 1021-18. Osaka, Japan.
55. M., Ebor, R. V., Sukara, E. and Ismail, M. A. K. M. 14: 1021-18. Osaka, Japan. Shamsuddin, Z. H., Amir, H.G. **Mia, M. A. B.**, Halimi, M. S., Zakaria, W. and Marziah, M. 1998. Azospirillum as a Bioenhancer and Biofertilizer for Banana and Oil Palm Seedlings. In: *Biotechnology for Sustainable Utilization of Biological Resources in the Tropics*. eds: Yoshida, T., Pornchai, M., Cruz, E. D. Sukara, E. and Ismail, M. A. K. M. 13: 326-338. Osaka, Japan.
56. **Mia, M. A. B.** and Shamsuddin, Z. H. 2010. Enhanced Nutrient Uptake in Rice Seedlings through Rhizobial and PGPR Inoculation. 1st Asian Conference on Plant Microbe Symbiosis and Nitrogen Fixation. Miyazaki, Japan.

57. Mia, M. A. B. and Shamsuddin, Z. H. 2010. Characterization of Rhizobacterial Strains Isolated from Tropical Rice Roots and Their Inoculation Effects on Seed Emergence and Seedling Growth of Rice.
58. M. S. Islam and Mia, MAB. 2011. Sex expression, fruit yield and quality of small type bitter gourd 'uchja' genotypes. 8th Biennial Conference on Plant Breeding Society of Bangladesh, SAU, Sher-e-Banglanagar, Dhaka.
59. Mia, MA B. and Shamsuddin, Z. H. 2010. Increased Seed Germination, Growth and N₂ Fixation in Rice through Rhizobial Inoculation. International Conference on Balanced Nutrient Management for Tropical Agriculture. Kuantan, Pahang, Malaysia.
60. Mia, MA B. and Shamsuddin, Z. H. 2009. Application of Rhizobia to Enhance Rice Seed Emergence and Seedling Vigour. 9Th Agril. Congress, Serdang, Malaysia. pp 321-323.
61. Shamsuddin, Z. H. Hayati NA, Puteri A M A, Diyana N M and Mia, MA B. 2009. Endophytic Bacteria for Growth Enhancement of Herbs and Extension of Its Shelf Life under Limited Oxygen Condition. 9Th Agril. Congress, Serdang, Malaysia. pp 21-23.
62. Mia, MAB, Haque, F. Miah, MY and Dutta, RK. 2007. Induced biochemical variabilities in lentil mutants developed through chemical mutagenesis. Baker MA, Afzal MA and Ahmed HU (eds.). New prospects of pulses research in Bangladesh, Proc.National workshop on "Pulses for Nutritional Security and Sustainable Agriculture" held in 24-25 July 2007 BARI (Bangladesh Agricultural Research Institute), Joydebpur, Gazipur, 52-58.
63. Shamsuddin, ZH, Amir, H.G. and Mia, MAB. 2004. Inoculation of beneficial rhizobacteria as biofertilizer and bioenhancer for green soybean, oil palm and banana. Agric. Congress, Sri Kembangan, Selangor, Malaysia. pp.117-120.
64. Mia, M.A.B., Dutta, R.K. and Rahman, M.S. 2004. New plant Type for Rice: A Critical Review. Symposium on International Year of Rice-2004. pp 12-17. Bangladesh Institute of Nuclear Agriculture, Mymensingh, Bangladesh.
65. Shamsuddin, Z. H., Amir, H. G, Mia, M. A. B., Saud, H. M., Zakaria, W. and Marziah, M. 2002. Nitrogen Fixation in Oil Palm (*Elaeis guineensis*) and Banana (*Musa* spp. cv. 'Berangan') Seedlings Inoculated with Plant Growth Promoting Rhizobacteria (PGPR). 9th International symposium on nitrogen fixation with non-legumes. Leuven, Belgium.
66. Mia, M. A. B., Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 2000. Plant growth promoting rhizobacteria for sustainable banana production under hydroponics condition. International Symposium on Sustainable Land Management: Paradigms for the New Millennium pp.78-80. Kuala Lumpur, Malaysia.
67. Mia, M. A. B., Shamsuddin, Z.H., Zakaria, W. and Marziah, M. 2000. Growth and Physiological Attributes of Hydroponicallygrown Bananas Inoculated with Plant Growth Promoting Rhizobacteria. Transaction of the Malaysian Society of Plant Physiology, 9: 324-327.
68. Mia, M. A. B., Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 1999. External and Internal Root Colonization of *Azospirillum brasilense* on Tissue-cultured Banana Plantlets. Proceedings Eighth Scientific Conference of Electron Microscopy Society Malaysia. eds: Vidyadaran, M. K., Tengku, A. S.T. M. pp 173174. Genting Highlands, Pahang, Malaysia.
69. Mia, M. A. B., Shamsuddin, Z. H., Zakaria, W. and Marziah, M. 1998. Root stimulation and nutrient uptake of banana inoculated with *Azospirillum brasilense* and Grown under Hydroponic Condition. Proceedings First National Banana Seminar. eds: Zakaria, W., Mahmud, T. M. M., Khalijah, S. D., Nor'Aini, M. F. and Marziah, M. pp.122-133. Genting, Pahang, Malaysia.
70. Dutta, R.K. and Mia, M.A.B. 1996. Physiological Constraints in Yield Improvements of Rice-a Bird's Eye View. BINASA Newsletter 4(2):3 Abstract of the Seminar

71. Mimi A., Mannan M.A., Khaliq Q.A. and Mia, M.A.B. 2014. Response of soybean genotypes to drought stress at seedling stage. 13th Conference of Bangladesh Society of Agronomy, BRRI, Gazipur, Bangladesh, page:52
72. Sultana A., Mia, M.A.B, Ahmed J.U. and Mian M.A.K. 2014. Salinity effect on the morphology and yield attributes of aromatic rice. 13th Conference Of Bangladesh Society of Agronomy, BRRI, Gazipur, Bangladesh, page:53
73. Hasan M.N., Islam M.R., Khaliq Q.A. and Mia, M.A.B. 2014. Chlorophyll meter-based nitrogen top-dressing in wheat. 13th Conference Of Bangladesh Society of Agronomy, BRRI, Gazipur, Bangladesh, page:61

Supervised Ph. D. Student

1. Md. Mustafa Khan 2016. Response of wheat genotype to salt stress. Department of Agronomy, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur (will be completed soon).
2. Gazi Md. Akram Hossain. 2015. Influence of diazotrophic bacteria on growth and yield of sugar cane, Department of Soil Science, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur 1706, Bangladesh.
3. Mira Rani Das 2011. Floral Biology, Fruit Setting And Quality of Passion Fruit, Department of Crop Botany, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur 1706, Bangladesh.
4. Md. Serajul Islam 2008. Effect of growth regulators and NPK fertilizers on morpho-physiological attributes and yield of bitter gourd. Department of Crop Botany, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.
5. Porimal Sarker 2008. Growth, yield and quality of chilli as influenced by mulches, NAA and nitrogen fertilization. Department of Crop Botany, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.
6. M.A. Razzaque 2007. Biochemical aspects of salinity tolerance in rice genotypes. Department of Agricultural Chemistry, Faculty of Agriculture, Bangladesh Agricultural University, Mymensingh, Bangladesh. Served as a member of supervisory committee.

Supervised MS Student

1. Nelufar Yeasmin Tripty 2014. Sex modification of papaya through application of exogenous hormone Department of Genetics and Plant Breeding, BSMRAU, Gazipur, Salna 1706.
2. Atika Sultana. 2015. Effect of salt stress on the physiological attributes of aromatic fine rice. Department of Crop Botany, Faculty of Agriculture, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.
3. Sheikh Arafat Islam Nihad 2016. Plant image analysis for phylogenetic studies in crop plants. Department of Crop Botany, Faculty of Agriculture, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.
4. Md. Pavel Molla 2014. Anatomo-biochemical attributes of aromatic fine rice under salt stress. Department of Crop Botany, Faculty of Agriculture, Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh.
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