

CURRICULUM VITAE of DR. REEMA ASHRAFI

Name : **DR. REEMA ASHRAFI**
Date of Birth : 1st May, 1977
Nationality : Bangladeshi by birth
Father's name : Muhammad Golam Mustofa
Retired Deputy Director, DAE
Mother's name : Aesha Mustofa
Husband's name : Dr. Mohammad Zahangir Alam
Professor, Dept. of Parasitology, BAU, Mymensingh
Marital Status : Married
Religion : Islam
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Mymensingh

1. Academics

Educational Background:

Degree/Diploma/Certificate	Class/Grade/Division	University/Institute/Board	Year
S.S.C.	First Division with star marks	Dhaka Board, Bangladesh	1993
H.S.C.	First Division with star marks	Dhaka Board, Bangladesh	1995
B.Sc.Ag. (Hons.) in Agriculture	First Class	Bangladesh Agricultural University, Mymensingh	1999 (held in 2002)
M.Sc. in Soil Science (18 months)	First Class (Grade-A) GPA- 3.015 (70-79%) (4 is the highest GPA in Bangladesh system)	Bangladesh Agricultural University, Mymensingh	2004
M.Sc. (INRM) in the Faculty of Agriculture and Horticulture (24 months)	Good GPA -1.7 (78-85%) (1 is the highest GPA in German system)	Humboldt University of Berlin, Germany	2008
Ph.D.	Successful	Bangladesh Agricultural University, Mymensingh	2014

Academic Distinctions/Awards:

- (i) NSICT PhD fellowship (2009-2010), (2010-2011) and (2011-2012).
- (ii) Dhaka Board Stipend in SSC.
- (iii) Talent pool Scholarship in both Primary Scholarship (Class V) and Junior Scholarship (Class VIII).

2. PhD Research Project Title

Recycling of Spent Mushroom Substrate for Use in Mushroom Culture and Vegetables Production

3. MS Thesis Title:

- (i) Thesis title of M. Sc. in “Integrated Natural Resource Management” was “Cadmium Uptake and Root Growth of Amaranth, Spinach and Lettuce as Affected by Soil Cadmium Heterogeneity”.
- (ii) Thesis title of M. Sc. in Soil Science was “Effects of Organic Manures on Yield and Arsenic Uptake by Boro Rice from Arsenic Contaminated Soil of Faridpur”.

4. Experiences

Position	Office	Period	
		From	To
Senior Scientific Officer (Planning and Development Section)	Bangladesh Institute of Nuclear Agriculture, Mymensingh	20/01/2019	present
Senior Scientific Officer and OIC	BINA Substation, Jamalpur	05/08/2015	20/01/2019
Scientific Officer (SRSD project)	Horticulture Division, BINA, Mymensingh	13/03/2013	04/08/2015
Scientific Officer (SPGR project)	Soil Science Division, BINA, Mymensingh	29/11/2011	11/03/2013

5. Field of Specialization/Research Interest: Waste management and utilization in crop production and Farming System Research

6. Awards: National Integrity Strategy Award 2017

7. Publications

(i) Full paper published in Journal- 20

- Ashrafi R.**, Saiem R.M., Kamruzzaman M., Mamun M.S.A.A., Begum H.A. (2019). Utilization of Rice Straw Compost for Strawberry and Tomato Production. *Progressive Agriculture*, 30(4): 335-343.
- Ashrafi R.**, Mian M.H., Rahman M.M., Jahiruddin M. (2017). Reuse of Spent Mushroom Substrate as Casing Material for the Production of Milky White Mushroom. *Journal of the Bangladesh Agricultural University*, 15(2): 239-247.
- Ahmed M., Mondal M.F., **Ashrafi R.**, Kamruzzaman M. and Ikbal M.K. (2015). Effects of Different Levels of NK Fertilizers and Plant Spacing on Growth and Yield of Broccoli (*Brassica oleracea L.*). *Journal of Agroforestry and Environment*, 9 (1&2): 15-18.

4. **Ashrafi R.**, Rajib M.R.R., Sultana R., Rahman M.M., Mian M.H. and Shanta F.H. (2015). Effect of Spent Mushroom Compost on Yield and Fruit Quality of Tomato. *Asian Journal of Medical and Biological Research*, 1(3): 471-477.
5. Islam M.R., Ghanim A.M.A., Bado S., **Ashrafi R.** and Forster B.P. (2014). Radio-sensitivity for Mutation Induction in Cucumber and Tomato Genotypes from Bangladesh. *Journal of Crop Science*, 25: 81-90.
6. Islam M.R., Ghanim A.M.A., Bado S., **Ashrafi R.** and Forster B.P. (2014). Effects of Pollen Irradiation on Pollen Viability and Fruit Set in Cucumber. *Journal of Crop Science*, 25: 73-80.
7. **Ashrafi R.**, Rahman M.M. and Jahiruddin M. and Mian M.H. (2014). Quality Assessment of Compost Prepared from Spent Mushroom Substrate. *Progressive Agriculture*, 25: 1-8.
8. **Ashrafi R.**, Mian M.H., Rahman M.M. and Jahiruddin M. (2014). Recycling of Spent Mushroom Substrate for the Production of Oyster Mushroom. *Research in Biotechnology*, 5(2): 13-21.
9. **Ashrafi R.**, Ali M.M., Rahman M.H., Khan M.R. and Khan M.K. (2014). Effect of Fertilization on Potato Production in Tista Meander Floodplain Soils. *Bangladesh Journal of Crop Science*, 25: 15-20.
10. **Ashrafi R.**, Mian M.H., Rahman M.M. and Jahiruddin M. (2013). The Opportunities of Using Mushroom Waste Compost in Potato Production. *Bangladesh Society for Agricultural Science and Technology*, 10(1&2): 131-136.
11. **Ashrafi R.**, Ali M.M., Rahman M.H., Khan M.R. and Khan M.K. (2013). Fertilization to Potato Grown in Old Himalayan Piedmont Plain Soils. *Bangladesh Society for Agricultural Science and Technology*, 10(1&2): 125-129.
12. Amin N., Hassan M.K., Haque M.E., **Ashrafi R.** and Begum M.K. (2013). Effect of Post Harvest Treatment on Pulp to Peel Ratio and Total Soluble Solids Content in Banana During Storage. *Bangladesh Journal of Environmental Science*, 24: 82-85.
13. Alam M.M., Rahman M.M., Samad M.A., **Ashrafi R.** and Rahman M.M. (2013). Effect of Storage Container and Initial Seed Moisture Content on Quality of Shelled Groundnut Seed. *Journal of Agroforestry and Environment*. 7(1): 23-26.
14. Islam M.R., **Ashrafi R.** and Salam M.A. (2013). Screening for Drought Tolerance of Wheat Genotypes. *Bangladesh Journal of Nuclear Agriculture*, 29: 13-26.
15. Islam M.R., Salam M.A. and **Ashrafi R.** (2012). Effect of Water Stress on Biochemical Accumulation, Yield and Yield Attributes of Wheat. *Bangladesh Journal of Nuclear Agriculture*, 25&26: 59-75.
16. Amin N., Hassan M.K., Nasrin M., **Ashrafi R.** and Bilkis, S. (2012). Effect of Post Harvest Treatment on Weight Loss and Shelf Life of Banana during Storage. *Journal of Agroforestry and Environment*, 6(1): 95-98.
17. **Ashrafi R.**, Biswas M.H.R., Rahman G.K.M.M, Khatun R. and Islam M.R. (2010). Effect of Organic Manure on Nutrient Contents of Rice Grown in an Arsenic Contaminated Soil. *Bangladesh Journal of Scientific and Industrial Research*. 45(3): 183-188.

18. **Ashrafi R.**, Mian M.H., Rahman M.M, Jahiruddin M. and Amin M. B. (2010). Characteristics of Aerobic Spent Mushroom Compost. *Bangladesh Society for Agricultural Science and Technology*. 7 (1&2): 7-10.
19. Rahman G.K.M.M., **Ashrafi R.** and Islam M. R. (2007). Effects of Organic Manures on Yield and Arsenic Content of Boro Rice. *Bangladesh. Journal of Environmental Science*. 13(1): 23-26.
20. Rahman G.K.M.M., **Ashrafi R.**, Hossain M.B. and Rahman M. L. (2007). Response of T. Aman Rice (*Oryza sativa*L.) to S, Mg, Zn, B, Mo and Organic Amendments in Tista Meander Floodplain Soil . *The Agriculturists*. 5 (1&2): 14-19.

(ii) Proceedings of seminar/workshop/poster presentation in scientific meetings

1. Horlacher, D., **Ashrafi, R.**, Strumpf, B., Reichmuth, C. and Engels, C. (2010). Cadmium uptake and root growth of Amaranth, Spinach and Lettuce as affected by soil cadmium heterogeneity. Conference on understanding physiological mechanisms, targeting genes and breeding for nutrient efficiency, toxic mineral element resistance and enhancing nutritional quality, Genetics of Plant Mineral Nutrition, Honnover, Germany, September 30 – October 2, 2010.
2. Islam M.R., **Ashrafi R.**, Rajib M.R.R. and Salam M.A. (2013). Research and Development of Horticultural Crops at BINA and Future Research Strategies, Bangladesh Agricultural Research Council (BARC), Dhaka, June 1-2, 2013.

8. Language proficiency:

<u>Language</u>	<u>Reading</u>	<u>Writing</u>	<u>Speaking</u>
Bengali	Excellent	Excellent	Excellent
English	Excellent	Excellent	Good

9. Computer efficiency:

Microsoft Word, Microsoft Excel, Microsoft power point, data analysis with MStatc and SPSS programme

Signature-----

(Dr. Reema Ashrafi)