

Curriculum Vitae of Dr. Mst. Farhana Nazneen Chowdhury, Professor, Department of Biochemistry and Molecular Biology, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207

1. Name (in block letters): Dr. MST. FARHANA NAZNEEN CHOWDHURY
2. Father's Name : MD. SHAHEB ALI CHOWDHURY
3. Mother's Name : KAZI KHADIZA BEGUM
4. a) Date of birth : 1st March, 1980.
- b) Place of birth : Comilla, Bangladesh
- c) Nationality : Bangladeshi by birth
- d) Permanent Address : Village-Bashara, P.O- Hatkhola, U.P- Daudkandi, Dist.-Comilla, Bangladesh.
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- f) Marital status : Married
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5. Academic accomplishments (From Matriculation / SSC to highest degree):

Academic Career (from Matriculation/SSC up to highest degree)					
Name of School/College/ University	Years attended		Name of the Exams. With subjects offered	Division, Class & Place obtained	Year of obtaining certificate / degree
	From	To			
Hatkhola High School, Daudkandi	1991	1996	Secondary School Certificate (SSC) Bengali, English Mathematics, Religious Subject, Geography, Agriculture, Physics, Chemistry, Biology and Elective Accounting.	First division	1996
Begum Rabeya Girls College Daudkandi	1996	1998	Higher Secondary Certificate (HSC) Bengali, English, Mathematics, Physics, Chemistry, Biology.	First division	1998
Sher-e-Bangla Agricultural University	1999	2003	Bachelor of Science in Agriculture (B.Sc. Ag. Hon's.) Agronomy, Agricultural Chemistry, Agricultural Extension, Statistics, Agricultural economics, Animal Husbandry, Biochemistry, Crop Botany, Entomology, Genetics and Plant Breeding, Horticulture, Plant Pathology, Rural Sociology, Soil Science and Biochemistry	First Class (3 rd)	2003 (Held in 2005)
Sher-e-Bangla Agricultural University	2006	2008	Master of Science (MS) in Biochemistry Principles of Biochemical Techniques, Intermediary Metabolism and its Regulation, Molecular Biology of Genes, Recombinant DNA Technology, Animal Hormones, Bioenergetics, Plant Hormones and Biocides, Nutrition, Carbohydrate, Lipids, Protein, Enzyme and Nucleic Acid	GPA-3.72 (Out of 4.00)	2008
Universiti Putra Malaysia	March, 2018	February, 2023	Doctor of Philosophy in Genetics and Breeding Quantative Genetics, Scientific writing and publication, Advanced Statistical Methods	GPA-3.75 (Out of 4.00)	2023

6. List of published research work with details

1. **Chowdhury, M. F. N.,** Rafii, M. Y., Ismail, S. I., Ramlee, S. I., Hosen, M., Karim, K. R., ... & Sahmat, S. S. (2023). Growth and yield performances, pathogenicity, heat tolerance, antioxidant activity, and pungency level of anthracnose resistant and heat tolerant inbred lines and their F1 hybrids of chili (*Capsicum annum* L.). *Scientia Horticulturae*, 309, 111606.
2. **Chowdhury, M. F. N.,** Yusop, M. R., Ismail, S. I., Ramlee, S. I., Oladosu, Y., Hosen, M., & Miah, G. (2020). Development of anthracnose disease resistance and heat tolerance chili through conventional breeding and molecular approaches: A review. *Biocell*, 44(3), 269.
3. **Chowdhury, M. F. N.,** Rafii, M. Y., Ismail, S. I., Ramlee, S. I., Hosen, M., ... & Ridzuan, R. (2023). Genetic analysis of anthracnose resistant and heat tolerant chili inbred lines based on morpho-physiological characteristics. *Chilean journal of agricultural research*, 83(2), 168-180.
4. Hosen, M., Rafii, M. Y., Mazlan, N., Jusoh, M., Oladosu, Y., **Chowdhury, M. F. N.,** ... & Khan, M. M. H. (2021). Pumpkin (*Cucurbita* spp.): a crop to mitigate food and nutritional challenges. *Horticulturae*, 7(10), 352.
5. Hosen, M., Rafii, M. Y., Mazlan, N., Jusoh, M., **Chowdhury, M. F. N.,** Yusuff, O., ... & Iqbal, M. F. (2022). Estimation of Heterosis and Combining Ability for Improving Yield, Sweetness, Carotenoid and Antioxidant Qualities in Pumpkin Hybrids (*Cucurbita moschata* Duch. Ex Poir.). *Horticulturae*, 8(10), 863.
6. Karim, K. R., Rafii, M. Y., Misran, A. B., Ismail, M. F. B., Harun, A. R., Khan, M. M. H., & **Chowdhury, M. F. N.** (2021). Current and prospective strategies in the varietal improvement of chilli (*Capsicum annum* L.) specially heterosis breeding. *Agronomy*, 11(11), 2217.
7. Karim, K. R., Rafii, M. Y., Misran, A., Ismail, M. F., Harun, A. R., Ridzuan, R., **Mst Farhana Nazneen Chowdhury** ... & Haque, M. A. (2022). Genetic diversity analysis among *Capsicum annum* mutants based on morpho-physiological and yield traits. *Agronomy*, 12(10), 2436.
8. **Chowdhury, M. F. N.,** Hossain, D., Hosen, M., & Rahman, S. (2015). Comparative study on chemical composition of five varieties of groundnut (*Arachis hypogaea*). *World J. of Agricultural Science*, 11(5), 247-254.
9. **Chowdhury, M. F. N.,** Ahmed, K. U., Hosen, M., Paul, R. K., & Bhattacharjya, D. K. (2014). Evaluation of grain weight, moisture, dry matter, oil cake, β -carotene, oil constant and aflatoxin content of different varieties and advanced lines of mustard and rapeseed. *IOSR Journal of Agriculture and Veterinary Science*, 7(6), 34-39.
10. **Chowdhury, M. F. N.,** Ahmed, M. S. K. U., Nuruddin, M. M., & Hosen, M. (2010). Study on fatty acid composition, oil and protein of different varieties and advanced lines of mustard and rapeseeds. *Bangladesh Research Publication Journal*, 4(1), 7.
11. Hosen, M., **Chowdhury, M.F.N.,** Uddin, M. S., Paul, R. K., & Bhattacharjya, D. K. (2014). Maintenance and Characterization of New Exotic Inbred Line of Maize. *Journal of Agricultural and Veterinary Science*, 7, 62-66.
12. Rahman, M. S., Rahman, M. H., **Chowdhury, M. F. N.,** Sultana, M. S., & Ahmed, K. U. (2016). Effect of spent mushroom substrate and cow dung on growth, yield and proximate composition of brinjal. *Int J Sci Res*, 6(10), 468-475.

13. Hossain, M. D., Ahmed, K. U., **Chowdhury, MFN.**, Barman, A., Ahmed, A., ... & Islam, S. (2018). Comparative study on quality characteristics and variations in fatty acid composition of different varieties of rapeseed and mustard (*Brassica* spp.). *Asian Journal of Research in Biochemistry*, 3(3), 1-7.
14. Hosen, M. M.S.R. Bhuiyan, M.S. Hossain, **Chowdhury, M.F.N.** and M.N. Amin (2008). Variability, correlation and path analysis in F₃ materials of *Brassica rapa* (doctoral dissertation, department of genetics and plant breeding, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh).
15. **Chowdhury, M.F.N.** K.U. Ahmed, and M. Hosen. 2010. Study on Moisture, Crude fiber, Ash, Carbohydrates, Major and Minor Minerals contents of different varieties and advanced lines of Mustard and Rapeseed. *International Journal of Eco-toxicology and Agricultural Technology*. 1(1):85-90.
16. Md. Delwar Hossain, Dr.Kamal Uddin Ahmed, **Mst. Farhana Nazneen Chowdhury**, Kanij Mohoua Roksana, Shahidul Islam and Alak Barman. 2015. Experimental study on Grain weight, Moisture, Ash, Carbohydrates, Protein, Oil, Total energy and minerals content of different varieties of Rapeseed and Mustard (*Brassica* spp.) *International Journal of Scientific and Research Publications*. 5 (12): 394-400.

Job responsibilities:

- i. Undergraduate level: Preparation of Lesson Plan, Conduct Theory and Practical Classes and Conduct Exams.
- ii. Post graduate level: Preparation of Lesson Plan, Conduct Theory Classes, Research works, Supervise Post graduate student and Conduct Exams.

Date:

Signature of the applicant
Dr. Mst. Farhana Nazneen Chowdhury