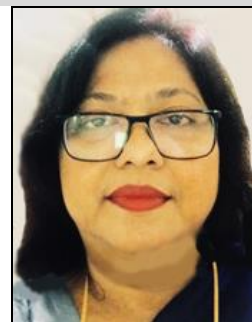


Curriculum Vitae

PERSONAL PROFILE

Name : Dr. Naheed Zeba
Designation : Professor, Department of Genetics and Plant Breeding, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh
Contact address : Telephone: +88-02-44814079
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E-mail: naheed0359@yahoo.com
zeban@sau.edu.bd
Date of Birth : 17 December, 1968
Nationality : Bangladeshi (By birth)
Gender : Female
NID No. : 5956588940
Father's Name and designation : Ahmed Hussain, Director (Training), Bangladesh Agricultural Research Council (BARC), Farmgate, Dhaka
Mother : Sayeeda Khatoon, (House wife)
Present address : 202 Chameli Building, Sher-e-Bangla Agricultural University, Sher-e-Bangla Nagar, Dhaka-1207
Permanent address : Ga-105, Middle Badda, Badda, Dhaka-1212
(Village home address: Post office and Union: Tejkhali, Village: Tejkhali West para School Bari, Upazilla: Bancharampur, Brahmanbaria)



ADMINISTRATIVE WORK EXPERIENCES

1. Director, Dr. M.A. Wazed Mia Research Centre, Sher-e-Bangla Agricultural University.
2. Former Syndicate member of Sher-e-Bangla Agricultural University (two years).
3. Former Chairman of the Department of Genetics and Plant Breeding, Sher-e-Bangla Agricultural University (two years)
4. Former Assistant Hall Provost of Begum Fazilatunnesa Mujib Hall, Sher-e-Bangla Agricultural University (three and half years)

RESEARCH ACHIEVEMENTS

I have developed six crop varieties

1. Four (4) tomato varieties, SAU tomato 1, SAU tomato 2, SAU tomato 3 and SAU tomato 4.
2. A new crop "Tomatillo" is introduced in Bangladesh in 2016 under my supervision. Two tomatillo varieties, SAU tomatillo 1 and SAU tomatillo 2 were developed by me.

TEACHING ACHIEVEMENTS (POST DOCTORAL, PhD and MS STUDENTS)

POST-DOCTORATE : 2 students (Supervisor)
Ph.D : 5 students (Supervisor)
5 students (Co-supervisor)
MS : 50 students (Supervisor)
50 students (Co-supervisor)

ACADEMIC CREDENTIALS

1. Ph.D in Biological Sciences from School of Biological Sciences, Seoul National University, Korea. Year of graduation is 2009.
2. MS in Genetics and Plant Breeding, from Bangladesh Agricultural University, Mymensingh. Year of graduation is 1996. Obtained Ist class.
3. Bachelor of Science in Agriculture (Hons.) from Bangladesh Agricultural University, Mymensingh. Year of graduation is 1990 (exam held in 1994). Obtained Ist class.
4. H.S.C in Science group from Azimpur Girls High School, Azimpur, Dhaka (Dhaka Board). Year of Passing is 1986. Obtained Ist division.
5. S.S.C in Science group form Lalmatia Girls College, Lalmatia, Dhaka (Dhaka Board). Year of Passing is 1984. Obtained Ist division.

TEACHING EXPERIENCES

Position	Duration
Professor (Grade 1)	: 01-08-2021 to onwards
Professor	: 24-05-2011 to onwards
Associate Professor	: 24-05-2007 to 23-05-2011
Assistant Professor	: 11-09-2001 to 23-05-2007
Lecturer	: 31-01-1995 to 10-09-2001

- Major responsibilities : i. Teaching in graduate and undergraduate level (PhD, MS and BSc.Ag. (Hons.)
ii. Supervising MS and Ph.D students
iii. Conducting research

Involve in the courses as a course instructor:

1. Courses of BSc.Ag : Cytology and cytogenetics, Genetics and Plant Breeding Hons.
2. Courses of MS in the : Molecular genetics, Genetics and embryology, Breeding for Dept. of Genetics and Horticultural , Advanced cytogenetics, Principles of Plant Breeding Plant Breeding, Faculty of Agriculture
3. Courses of MS in the : Hybrid and Transgenic seed Technology, Seed Crop Improvement Institute of Seed Technology
4. Courses of PhD : Gene regulation, Advanced Crop Breeding, Stress Breeding

RESEARCH EXPERIENCES

COMPLETED RESEARCH PROJECTS :

(As Project Director/ Principal Investigator)

1. **Genetic variability, correlation and path analysis in F₃ segregating population of tomato (*Solanum lycopersicum* L.) under selection process.** The project was allocated by Sher-e-Bangla Agricultural Research System (SAURES) for the year 2023-2024 and funded by the University Grants Commission (UGC) of Bangladesh.
2. **Genetic variability and character association in F₂ populations of tomatillo (*Physalis ixocarpa* Brot./ *Physalis philadelphica* Lam.) based on quality traits and shelf life.** The project was funded by the Special allocation for the year 2022-2023 under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh (Project ID: SRG-221333).

3. **Genetic analysis in segregating population of tomato (*Solanum lycopersicum* L.) towards variety development.** The project was allocated by Sher-e-Bangla Agricultural Research System (SAURES) for the year 2022-2023 and funded by the University Grants Commission (UGC) of Bangladesh.
4. **Quantitative genetic analysis of yield components and grain yield of Soybean (*Glycine max* L. Merr.) genotypes.** The project was allocated by Sher-e-Bangla Agricultural Research System (SAURES) for the year 2021-2022 and funded by the University Grants Commission (UGC) of Bangladesh.
5. **Estimation of heterosis for quantitative and qualitative traits in tomato (*Solanum lycopersicum* L.) genotypes.** The project was funded by the Special allocation for the year 2021-2022 under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh (Group Sl. No. BS 152).
6. **Screening and genetic analysis of tomatillo (*Physalis ixocarpa* Brot.) genotypes for salt tolerance.** The project was funded by the Special allocation for the year 2020-2021 under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh (Group Sl. No. 200 BS).
7. **Genetic analysis of drought tolerant genotypes of tomatillo (*Physalis ixocarpa* Brot.) based on agromorphogenic and nutritional traits.** The project was funded by the Special allocation for the year 2019-2020 under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh (Group Sl. No. 451ID).
8. **Intergeneric and intraspecific hybridization of tomatillo (*Physalis ixocarpa* Brot./*Physalis philadelphica* Lam.) and tomato (*Solanum lycopersicum* L.) followed by marker assisted selection based on their agromorphogenic and nutritional traits.** The duration of the project was 2017-2020. The project was funded by the Grant for Advanced Research in Education (GARE) under the Ministry of Education, Government of the People's Republic of Bangladesh provided through Bangladesh Bureau of Educational Information and Statistics (BANBEIS) under the (Project ID: LS2016266).
9. **Adaption of a new species tomatillo (*Physalis philadelphica* Lam./ *Physalis ixocarpa* Brot).** The project duration was 2017-2018 and was funded by National Agricultural Technology Program-Phase II, Project Implementation Unit, Bangladesh Agricultural Research Council (BARC) (Project ID: 376 crops).
10. **Comparative genetic analysis of tomatillo (*Physalis ixocarpa* Brot.) with tomato (*Solanum lycopersicum* L.) based on their agromorphogenic and nutritional traits.** This research was done by partial funding of the Special allocation for the year 2016-2017 under the Ministry of Science and Technology (Project Sl. No. 89 and Group Sl. No. BS390).
11. **Introduction of an exotic species tomatillo (*Physalis ixocarpa* Brot.) as a new vegetable in Bangladesh and its comparative genetic analysis with tomato (*Solanum lycopersicum* L.) based on their agromorphogenic and nutritional traits.** The project was funded by the Special allocation for the year 2015-2016 under the Ministry of Science and Technology, Government of the People's Republic of Bangladesh (Project Sl. No. 378 and Group Sl. No. BS304).
12. ***In vitro* identification of salt stressed tolerant callus lines under hormonal treatment of *Capsicum* spp.** The project was funded by the University Grants Commission (UGC) of Bangladesh under the section of Agricultural Science (Crop Science and Engineering).

13. ***In vitro* control of water stresses through hormonal treatment and identification of water stress tolerant callus lines in *Capsicum* spp.** The project was funded by the Special allocation for the year 2013-2014 under the Ministry of Science and Technology (Project Sl. No. 151 and Group Sl No. BS284).
14. **Screening of salt tolerant genotypes *in vitro* for further gene expression analysis.** The duration of the project was 2011-2012. The project was allocated by Sher-e-Bangla Agricultural Research System (SAURES) and funded by the University Grants Commission (UGC) of Bangladesh.
15. **Functional analysis of abiotic stress-inducible genes encoding Elongation factor 1 protein from *Capsicum annuum*.** The duration of the research was 2008-2009. This work was performed under the supervision of Professor Choo Bong Hong, Department of Biological Sciences, Seoul National University, Korea.
16. **Functional analysis of *CaPP2C* and *CaBI-I* gene for abiotic stress and their signaling pathway analysis and microarray analysis.** The duration of the work was 2006-2009. Worked as research associate with Dr. Mohammad Isbat at Seoul National University, Korea.
17. **Molecular Biology of Nematode Resistance in Tomato.** This work was performed under the supervision of Professor Dr. Valerie M. Williamson, Department of Nematology, University of California, Davis, USA.
18. **Molecular analysis of plant DNA.** This work was performed as visiting scientist. The duration of the project was April 9, 2001 to June 9, 2001. Facilities and Instruction provided by the Center for Engineering Plants for Resistance against Pathogens, University of California, Davis, USA.
19. **Functional analysis of abiotic stress-inducible genes encoding RING Zinc Finger Protein and an Adenylate Kinase from *Capsicum annuum*.** The research was performed as PhD fellow under the supervision of Professor Choo Bong Hong, Department of Biological Sciences, Seoul National University, Korea and funded by the Korean Government Scholarship.
20. **Variation in callus induction and plant regeneration from different explants of five tobacco cultivars and their F₁s.** This work was performed from July 1994 to June 1996 under the supervision of Prof. Dr. Md. Lutfur Rahman, Dept. of Genetics and Plant Breeding, Bangladesh Agricultural University, Mymensingh and of the Bio-Genetic Engineering Division of Bangladesh Rice Research Institute (BRRI), Joydevpur, Gazipur.

SCIENTIFIC PUBLICATIONS

1. Rahman, M., Huda, N., Sneha, M.M., Jahan, N. and **Zeba, N.** (2024). Genetic variability and character association in F₃ tomato populations (*Solanum lycopersicum* L.). *J. Expt. Biosci.* **15**(2): 1-6.
2. Sharmita, A., Husna, A., Mamun, M.A., **Zeba, N.**, Siddique, A.B. (2023). Genetic variability, correlation, and Principal Component Analysis on yield and yield contributing traits in local and exotic tomato genotypes. *J. Bangladesh Agril. Univ.* **21**(3): 296-307.
3. Karim, M.R., Afroj, M.S., Nahar, K., Islam, M., Rauf, M.A. and **Zeba, N.** (2023) Genetic variability, heritability and genetic advance in agromorphogenic traits of tomatillo (*Physalis ixocarpa* Brot.) Genotypes. *J. Expt. Biosci.* **14**(1): 1-6.

4. Rehana, S. **Zeba, N.** and Mamun, S.M.A.A. (2022) study on genetic parameters in selected parents and their hybrids of tomato (*Solanum lycopersicum* L.). *Khulna University Studies*. **19**(2): 50-56.
5. Rahaman, M.A., Sarkar, A. Modak, S. Hasan, M.M. and Zeba, N. (2022). Genetic diversity of agro-morphogenic traits in Soybean (*Glycine max* L. Merr). *Asian J. Biochem. Genet. Mol.Biol.* **2**(3): 37-47.
6. Rahaman, M.A., Sarkar, A. Modak, Rasal-Monir, M. and Zeba, N. (2022). Genetic Variability, Correlation Co-efficient and PathAnalysis in Soybean (*Glycine max* L. Merr.) Genotypes. *Asian J. Advances Agril. Res.* **19**(2): 46-55.
7. Rehana, S., Harun-Or-Rashid, M., **Zeba, N.**, Ullah, M.Z., Narzis, N., Husna, A. and Siddique, A.B. (2022). Study on combining ability for yield and yield contributing traits in water stress tolerant genotypes of tomato (*Solanum lycopersicum* L.). *Big Data Agric.(BDA)*. **4**(1): 28-31.
8. Narzis, N., **Zeba, N.** and Islam, M.S. (2021). Effect of salinity on agro-morphogenic traits of tomatillo genotypes. *Progressive Agric.* **32**(2): 140-150.
9. Akhter, M., Apon, F.N., Bhuiyan, M.M.R., Siddique, A.B., Husna, A. and **Zeba, N.** (2021). Genetic variability, correlation coefficient, path coefficient and principal component analysis in tomato (*Solanum lycopersicum* L.) genotypes. *Plant Cell Biotechnol. Mol. Biol.* **22**(25-26): 46-59.
10. Rahman M.M, Kamrunnahar, Siddique, A.B., Bhuiyan M.S.R. and **Zeba N.** (2021) Morphological characterization, character association and path analysis of bitter gourd (*Momordica charantia*L.) genotypes. *Plant Cell Biotechnol. Mol. Biol.* **22**(7-8): 53-62.
11. Atiq, N.B., Khanam, S., Mujahidi, T.A., Zeba, N. and Islam, M.S. (2021). Comparative study of hybrid maize varieties in relation to yield based on morphology and genetic parameters. *Bangladesh J. Nuclear Agric.* **35**: 41-52.
12. Nahar, K., Kaiser, M.O., Akter M., Rahman M.M. and **Zeba, N.** (2021). Characterization and evaluation of local germplasms of chilli (*Capsicum* spp.) in cumilla region. *J. Expt. Biosci.* **12**(1): 29-36.
13. Deepo, D.M., Sarker, A., Akter, S., Islam, M.M., Hasan, M. and **Zeba, N.** (2020). Diversity and path analysis of Chilli (*Capsicum* spp.) based on morphological traits in northern region of Bangladesh. *Turkish J. Agric.-Food Sci. Technol.* **8**(1): 179-185.
14. Liton, M.M.U.A., Bhuiyan, M.S.R, **Zeba, N.**, Rashid, M.H. and Ali, M.A. (2020). Combining ability and gene action analysis in a halfdiallel cross of *Brassica rapa* L. *J. Agril. Sci. Prac.* **5**(1): 20-29.
15. Tisha, S.B., Jony, M. Robbani, M.G. **Zeba, N.** and Siddikee, M.A. (2020) Genetic diversity analysis of Chilli (*Capsicum* spp.) germplasm. *The Agriculturists.* **18**(2):105-111.
16. Arefin S.M.A., **Zeba, N.**, Solaiman, A.H., Naznin, M.T., Azad, M.O.K, Tabassum, M., and Cheol Ho ParK, C.H. (2019). Evaluation of compatibility, growth characteristics, and yield of tomato grafted on potato ('Pomato). *Chronica Horticulturae.* **5**(2): 37-45.
17. Rahman, M.M., Bhuiyan, T.T.A., Kamrunnahar, Rahman, M. and **Zeba, N.** (2019). Estimation of genetic variation and heritability in promising bitter gourd genotypes

(*Momordica charantia* L.). *J. Expt. Biosci.* **10**(1): 13-20.

18. Rehana, S., Ullah, M.Z., **Zeba, N.**, Narzis, N., Husna, A. and Siddique, A.B. (2019). Estimation of heterosis for yield and yield attributing traits in tomato crossed with line and tester method. *Progressive Agriculture.* **30**(2): 179-185.
19. Begum, B., Haq, M.E., Akter, R., Harun, A.K.M.Y., **Zeba, N.** and Bhuiyan, M.S.R. (2019). Performance of Salt Tolerant Tomato (*Solanum lycopersicum* L.) Genotypes at Coastal Belt in Bangladesh. *Asian J. Biotechnol. Genet. Engineering.* **2**(3): 1-10.
20. Akter, R., Haq, M.E., Begum, B. and **Zeba, N.** (2019). Performance of Tomato (*Solanum lycopersicum* L.) Genotypes Based on Agro-morphogenic Traits under Drought Condition. *Asian J. Biotechnol. Genet. Engineering.* **2**(4): 1-10.
21. Kesawat, M.S., Kim, D.K., **Zeba, N.**, Suh, M.C., Xia, X. and Hong, C.B. (2018). Ectopic RING zinc finger gene from hot pepper induces totally different genes in lettuce and tobacco. *Mol. Breeding.* **38**(6):70 (<http://doi.org/10.1007/s11032-018-0812-3>)
22. Rehana, S, Ahmed, F, **Zeba, N.**, Husna, A. and Hossain, F. (2018). Effect of sunlight and artificial light on micropropagation of potato (*Solanum tuberosum* L.) plantlets. *Arc. Agric. Environ. Sci.* **3**(2): 151-156.
23. Biswas, A., Islam, M.R., Rashed, M.R.U and **Zeba, N.** (2017). *In vitro* selection of calli for salt tolerance in tomato (*Solanum lycopersicum* L.). *Intl. J. Environ. Agric. Biotechnol.* **2**(6): 2855-2872.
24. Liton, M.M.U., Bhuiyan, M.S.R., **Zeba, N.** and Rashid, M.H. (2017). Estimation of Heterosis for Yield and Its Attributes in *Brassica rapa* L. *Asian Res. J. Agric.* **4**(4): 1-13.
25. Haq, M.E., **Zeba, N.**, Akter, R., Begum, B. and Rashid, M.H.U. (2017). Screening and identification of salt tolerant genotypes based on agromorphogenic traits of tomato (*Solanum lycopersicum* L.). *Ann. Res. Rev. Biol.* **18**(4): 1-11.
26. Bhuiyan, T.T.A., Rahman, M.M., Islam, M.R., Laylin, M.M.A and **Zeba, N.** (2016). Estimation of genetic variability, heritability and genetic advance in agro-morphogenic and nutritional traits of tomato (*Solanum lycopersicum* L.) genotypes. *J. Expt. Biosci.* **7**(1): 65-72.
27. Mili, S.M.S.K., Monalesa, N., Rahman, M.J. Afsana, N., Zeba, N. and Mahmud, F. (2016). Genetic diversity analysis in f5 population of *Brassica napus* L. *Intl. J. Biosci.* **9**(3): 177-184.
28. Hussain, M.A., Hossain, M.S., Bhuiyan, M.S.R., **Zeba, N.** and Mohsin, S.M. (2016). Field performance and genetic analysis in some advanced lines of mustard (*Brassica rapa* L.). *Agriculturists.* **14**(1): 112-121.
29. Titumeer, S.M., Rahim, M.A. and **Zeba, N.** (2015). Genetic variability, character association and genetic divergence in mungbean (*vigna radiatel.wilczek*). *Agronomski Glasnik.* **76**(6): 305-326.
30. Biswash, R., **Zeba, N.**, Sharmin, M., Rahman, N.M.F., Farhat, T. and Ahmed, M. (2015). Character association of T. Aman Rice (*Oryza sativa* L.) Varieties of Bangladesh. *American-Eurasian J. Agric. Environ. Sci.* **15** (3):478-484.

31. Naznin, S., Kawochar, M.A., Sultana, S., Zeba, N. and Bhuiyan, S.R. (2015). Genetic divergence in *Brassica rapa* L. *Bangladesh J. Agril. Res.* **40**(3): 421-433.
32. Ahmed, S., Huq, H., **Zeba, N.**, Hoque, M.E. and Moon, N.J. (2012). Callus induction and plant regeneration of potato genotypes from meristem following hormonal treatments. *J. Expt. Biosci.* **3**(2): 67-74.
33. Moon, N.J., Hoque, M.E., **Zeba, N.** and HUQ, H. (2012). Varietal effect on *in vitro* callus induction in potato (*Solanum tuberosum* L.). *J. Sub-Trop. Agril. Res. Devp.* 10(3): 999-1003.
34. Hosnara, Mian, M.A.K., Rahman, O., Rashid, M.H. and **Zeba, N.** (2012). Comparative analysis of newly released BU Hybrid Mula-1 with standard radish (*Raphanus sativus*) varieties. *J. Expt. Biosci.* **3**(2): 85-90.
35. **Zeba, N.** and Isbat, M. (2011). Multivariate analysis for yield and yield contributing traits in f_0 and f_1 generations in tobacco (*Nicotiana tabacum*). *J. Expt. Biosci.* **2**(1): 101-106.
36. Ling, T., **Zeba, N.**, Ashrafuzzaman, M. and Hong, C.B. (2011). Heavy metal stress-inducible early light-inducible gene *CaELIP* from hot pepper (*Capsicum annuum*) shows broad expression patterns under various abiotic stresses and circadian rhythmicity. *Environ. Expt. Bot.* **72** (2): 297-303.
37. Isbat, M. and **Zeba N.** (2011). Quality and shelf life evaluation of two grape varieties in different agro-ecological zones of Bangladesh. *J. Expt. Biosci.* **2**(2):89-96.
38. Yeasmin, L., Ahmed, S., Rashid, M.H., Parveen, S. and **Zeba, N.** (2011). Effect of nitrogen and potassium on *in vitro* development of microtuber of potato (*Solanum tuberosum* L.). *J. Expt. Biosci.* **2**(1): 107-112.
39. **Zeba, N.**, Isbat, M. and Hong, C.B. (2010). Molecular characterization of the high temperature stress-induced small heat-shock protein from *Capsicum annuum*. *J. Sher-e-Bangla Agril. Univ.* **4**(1): 31-38.
40. Huda, K.M.K., Banu, S.A., Moyazzama, K., and **Zeba, N.** (2010). Genetic variability, correlation and path of reproductive abscission, seed yield and yield components in mungbean. *J. Expt. Biosci.* **1**(1): 83-88.
41. Rahim, M.A., Mia, A.A., Mahmud, F., Zeba, N. and Afrin. K. (2010) Genetic variability, character association and genetic divergence in Mungbean (*Vigna radiata* L. Wilczek). *Plant Omic.* **3**(1): 1-6.
42. **Zeba, N.**, Isbat, M., Kwon, N.J., Lee, M.O., Kim, S.R. and Hong, C.B. (2009). Heat-inducible C3HC4 type RING zinc finger protein gene from *Capsicum annuum* enhances growth of transgenic tobacco. *Planta.* **229**(4): 861-71.
43. Isbat, M., **Zeba, N.**, Kim, S.R. and Hong, C.B. (2009). A BAX inhibitor-1 gene in *Capsicum annuum* induced under various abiotic stresses and endows multi-tolerance in transgenic tobacco. *J. Plant Physiol.* **166**(15): 1685-93.
44. Chowdhury, M.T.I., Solaiman, A.H.M., **Zeba, N.**, Hassanuzzaman, M., Mustafiz, S.S.B. and Nahar, K. (2009). Determining the status of chlorinated pesticide residue in some leafy vegetables. *J. Eco. Biotech.* **1**(1): 041-045.
45. Huda, K.M.K, Bhuiyan, M.S.R., **Zeba, N.**, Banu, S.A., Mahmud, F. and Khatun, A. (2009).

Effect of FeSO₄ and pH on shoot regeneration from the cotyledonary explants of Tossa Jute. *Plant Omics*. **2**(5): 190-196.

46. Rahim, M.A., Mia, A.A., Mahmud, F., **Zeba, N.** and Afrin, K.S. (2009). Genetic variability, character association and genetic divergence in Mungbean (*Vigna radiata* L. Wilczek). *Plant Omics*. **3**(1)-1-6.
47. **Zeba, N.**, Ashrafuzzaman, M. and Hong, C.B. (2006). Molecular characterization of the *Capsicum annuum* RING Zinc Finger Protein 1 (*CaRZFPI*) gene induced by abiotic stresses. *J. Plant Biol.* **49**(6): 484-490.
48. Islam, M.S, Newaz, M.A., Rahman, J. and **Zeba, N.** (2003). Stability analysis on seed yields in Soybean (*Glycin max* L.). *J. Agric. Sci. Tech.* **4**(2): 12-16.
49. Mahmud, F., Rahman, G.M.M., Islam, M.R., **Zeba, N.** and Akhter, N. (2002). Effect of fungicide sprays during grain development on quality of rice seeds. *J. Agric. Sci. Tech.* **3**(1): 7-10.
50. **Zeba, N.**, Isbat, M., Rahman, L. and Miah, M.A.A. (2001). *In vitro* differentiation of plantlets from anther cultures of five cultivars and F₁s of *Nicotiana tabacum*. *Bangladesh J. Agril. Sci.* **28**(1): 149-154.
51. Mahmud, F., Rahman, G.M.M., Islam, M.R., Hossain, M.S. and **Zeba, N.** (2001). Effect of fungicides on grain spot development of rice. *Bangladesh J. Agril. Sci.* **28**(1): 145-148.
52. **Zeba, N.**, Isbat, M., Miah, M.A.A. and Rahman, L. (2000). *In vitro* plant regeneration from tobacco pith. *Bangladesh J. Agric.* **25** (1&2): 81-88.
53. **Zeba, N.**, Isbat, M., Miah, M.A.A. and Rahman, L. (2000). *In vitro* plant regeneration from tobacco leaf explants. *Progress. Agric.* **11**(1-2): 21-25.
54. Isbat, M, **Zeba, N.**, Mandal, F., Haque, A., Mahmud, F. (1999). Relationships between yield and yield components and chemical parameters of two grape varieties at two locations. *J. Agric. Edu. Tech.* **2**(1): 63-70.

THESIS

1. **Zeba, N.** (2009). Functional analysis of abiotic stress-inducible genes encoding a RING Zinc Finger Protein and an Adenylate Kinase from *Capsicum annuum*. **Ph.D thesis**. School of Biological Sciences. Seoul National University. Seoul. Korea.
2. **Zeba, N.** (1996). Variation in callus induction and plant regeneration from different explants of five tobacco cultivars and their F₁s. **MS Thesis**. Department of Genetics and Plant Breeding. Bangladesh Agricultural University, Mymensingh.

TEACHING AT INTERNATION UNIVERSITY/ EXPERT MEMBER/ RESOURCE PERSONNEL

1. Teaching of undergraduate (Bachelors level) courses at School of Biological Sciences, Seoul National University, Korea.
2. Expert member in an Annual Review Workshop for crop improvement program of NARS Institutes for 22-23 held on August 2023 and for 23-24 held on September 2024 at BARC.
3. Resources personnel in a workshop for the NARS Scientists about Stress Breeding in climate

change in crops at Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur.

4. Resource personnel in a workshop for the officers of Bangladesh Agricultural Development Corporation (BADC) on 'Horticultural crop development through genetic make-up'.
5. Expert member of the Ph.D admission committee at Sher-e-Bangla Agricultural University
6. External member of examination for PhD defense and other levels of Agricultural Universities.

INTERNATIONAL/NATIONAL TRAINING, COURSES, CONFERENCE AND SYMPOSIUM

1. International course on "**Contemporary approaches to genetic resources conservation and use**" Wageningen UR, the Netherlands held from 15 April to 3rd May 2013.
2. Course attended on "**Health and safety instruction**", Office of Environmental and Health safety. University of California, Davis, USA.
3. Course attended on "**Genes and Gene expression**" University of California, Davis, USA.
4. Attended the International symposium on "**Crop Functional Genomics 2006**" from June 21-23 at Seoul Education and Cultural Center, The 21C Frontier R&D Program. Ministry of Science and Technology, Korea.
5. Attended in the Workshop and presented the paper on "**Cloning of abiotic stress responsive transcription factor genes from red pepper using DNA microarray**". From August 22-23, 2005 at Pusan, Korea. Organized by Crop Functional Genomics Centre (CFGC).
6. Poster presentation entitled "**Molecular Characterization of the *Capsicum annuum* RING Zinc Finger Protein 1 (CaRZFP1) gene induced by abiotic stresses**" in the Institute of Molecular Biology and Genetics, Seoul National University. Organized and supported by Crop Functional Genomic Center, The 21C Frontier R&D Program. Ministry of Science and Technology, Korea.
7. Course on "**Korean language course level Biginner 1**" in the Language Education Institute, at Seoul National University, Seoul, Korea.
8. Training program on "**Induction training course**" organized by Bangladesh Agricultural Research Institute, Joydevpur, Gazipur.
9. Training on "**Rover Scout Unit Leader Basic Course**" at Sher-e-Bangla Agricultural University (former Bangladesh Agricultural Institute)
10. Training of Internet and Microsoft Office Management.

MY TWO NOVEL GENES AVAILABLE AT THE NCBI GENE BANK DATABASE AND THEIR ACCESSION NUMBER IS,

1. ACCESSION FJ755848
VERSION FJ755848
2. ACCESSION FJ719768
VERSION FJ719768

INTERNATIONAL AWARD

1. "**UNESCO-L'OREAL Co-sponsored fellowship for young women in life sciences-2003**". UNESCO head quarter, Paris, France.
2. **Brain Korea 21 (BK21) Research Scholarship** from the Ministry of Education and Human Resources Development, Korea (2005).
3. **Teachers Assistant (TA) scholarship, Seoul National University, Korea (2006)**. Award given due to the outstanding achievement in Ph.D courses.

INVOLVEMENT IN THE EDITORIAL BOARD OF DIFFERENT JOURNALS

1. Joint editor of the “Journal of Plant Breeding and Genetics”.
2. Member of the editorial board of the “Journal of experimental Bioscience”.
3. Member of the editorial board of “Bangladesh Journal of Agriculture and Environment”.

INVOLVEMENT IN THE PROFESSIONAL SOCIETIES

1. Life Member of the Plant Breeding and Genetics Society of Bangladesh (PBGSB)
2. Life Member of the Bangladesh Association of Plant Tissue Culture and Biotechnology (BAPTCB)
3. Life Member of the Krishibid Institution, Dhaka, Bangladesh.
4. Member of the Agriculturists Association of Bangladesh (AAB).
5. Member of the Bangladesh Potato Council (BPC)
6. Treasurer of Bangladesh Bioscience Associates.
7. Former treasurer of শিক্ষক সমিতি of Sher-e-Bangla Agricultural University.
8. Member of Bangladesh Fertilizer Association.
9. Member of the নিপীড়ন বিরোধী শিক্ষক সমাজ, Sher-e-Bangla Agricultural University.

ALUMNI OF DIFFERENT UNIVERSITIES

1. Alumni of University of California, Davis, USA.
2. Alumni of Seoul National University, Korea.
3. Netherlands Alumni Association of Bangladesh (NAAB)
4. Alumni of Bangladesh Agricultural University, Mymensingh.
5. Sher-e Bangla Agricultural University Alumni Association (SAUAA), Dhaka.

INVOLVEMENT IN OTHER ACTIVITIES

1. Member of the Academic Council of Sher-e-Bangla Agricultural University
2. Assistant-general Secretary of Rover Scout of Sher-e-Bangla Agricultural University.
3. Former treasurer of Rover Scout of Sher-e-Bangla Agricultural University
4. Former member of ‘Purchasing Committee (ক্রয় কমিটি)’ of Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
5. Former member of the BSc.Ag.(Hons.) Admission committee of Sher-e-Bangla Agricultural University
6. Former member of the examination committee of the Dept. of Genetics and Plant Breeding, Sher-e-Bangla Agricultural University
7. Former member of the Planning committee of the Dept. of Genetics and Plant Breeding, Sher-e-Bangla Agricultural University
8. Directing a unit of Rover scout as a Rover Scout Leader (RSL).
9. Went twice to SAARC study tour taking a group of students.
10. Went to In-country study tour by taking group of students.
11. Gave interview in different TV channels like Bangla vision, R tv, G tv, ATN Bangla, Channel 24 and others upon release of my tomato and tomatillo varieties.
12. Attended the “Seoul Peace Prize” prize giving ceremony program of Dr. Mohammad Yunus at Seoul, Korea in 2006.

Signature:



Name and Designation: DR. NAHEED ZEBA
Professor
Department of Genetics and Plant Breeding
Sher-e-Bangla Agricultural University, Dhaka-1207

Date: 09-11-2024

My tomato varieties



SAU tomato 1



SAU tomato 2



SAU tomato 3



SAU tomato 4

My tomatillo varieties
(New crop in Bangladesh)



SAU tomatillo 1



SAU tomatillo 2



CHANNEL 24
সব সময়। সব দিকে। সব ধর।



সারাদেশে শিক্ষার্থীদের হত্যা, হামলার প্রতিবাদ শেকুবি শিক্ষকদের



তাহিরুল হাসান ফাহিম, শেকুবি প্রতিনিধি

প্রকাশিত : ১৭:৩২, ১৮ জুলাই ২০২৪



ছবি : সংগৃহীত

Photo 1a. Procession of 'নিপীড়ন বিরোধী শিক্ষক সমাজ' of Sher-e-Bangla Agricultural University against the killing of the students of বৈষম্যবিরোধী ছাত্র আন্দোলন (18th July 2024)



Photo 1b. Procession of 'নিপীড়ন বিরোধী শিক্ষক সমাজ' of Sher-e-Bangla Agricultural University against the killing of the students of 'বৈষম্যবিরোধী ছাত্র আন্দোলন' (18th July 2024)



Photo 2. Procession of 'নিপীড়ন বিরোধী শিক্ষক সমাজ' of Sher-e-Bangla Agricultural University against the killing of the students of 'বৈষম্যবিরোধী ছাত্র আন্দোলন' (2nd August 2024)



A.



B.

Photo 3. Attended the programme of “Seoul Peace prize” of Dr. Mohmmad Yunus in Seoul, Korea in 2006.

জেনেটিক্স গবেষক কৃষিবিজ্ঞানী নাহিদ জেবা



■ মোহাম্মদ দীপু

শেরে বাংলা কৃষি বিশ্ববিদ্যালয়ের জেনেটিক্স আন্ড প্লান্ট ব্রিডিং বিভাগের চেয়ারম্যান অধ্যাপক ড. নাহিদ জেবা ১৯৮৪ সালে আজিমপুর গার্লস হাইস্কুল থেকে কৃতিত্বের সঙ্গে বিজ্ঞান বিভাগে প্রথম বিভাগ পেয়ে উত্তীর্ণ হন। ১৯৮৬ সালে বালমাটিয়া গার্লস কলেজ থেকে আরারও প্রথম বিভাগে এইচএসসি পরীক্ষায় উত্তীর্ণ হন। এখন দেশের একজন সফল কৃষি গবেষক ড. জেবার সঙ্গে কথা বলে জানা গেল তার শিক্ষা ও কর্মজীবনের নানা দিক—

স্বপ্ন যখন সত্যি হল
কৃষিবিদ্য বাবার সন্তান আমি। কৃষির প্রতি ছিল প্রবল আকর্ষণ। ছোটবেলা থেকেই মানসপটে কৃষিবিদ হওয়ার স্বপ্ন লালন করতাম। তাই ১৯৮৭ সালে ভর্তি হই বাংলাদেশ কৃষি ইন্সটিটিউটে (বর্তমান শেরে

বাংলা কৃষি বিদ্যালয়)। ১৯৯৪ সালে প্রথম শ্রেণীতে অনার্স পাস করে ১৯৯৫ সালে লোকচারার হিসেবে যোগদান করি বর্তমান শেরেবাংলা কৃষি বিশ্ববিদ্যালয়ে। ১৯৯৬ সালে বাংলাদেশ কৃষি বিশ্ববিদ্যালয় থেকে জেনেটিক্স আন্ড প্লান্ট ব্রিডিং বিভাগে প্রথম শ্রেণীতে মাস্টার্স পাস করি। ১৯৯৫ সাল থেকে শিক্ষকতা পেশায় পূর্ণ মনোনিবেশ করেছি। পাশাপাশি করছি গবেষণা।

নাফলোর পথ

২০০৪ সালে বাংলাদেশের দু'জন নারীর অন্যতম হিসেবে ইউনেস্কো লরিয়াল ফেলো শিক্ষা আওয়ার্ড অর্জন করেছি। ২০০৯ সালে দক্ষিণ কোরিয়ার সিউল ন্যাশনাল ইউনিভার্সিটি থেকে 'প্লান্ট মলিকোলার জেনেটিক্স'-এর ওপর পিএইচডি ডিগ্রি লাভ করেছি। কৃষি ক্ষেত্রে উন্নত প্রযুক্তির ব্যবহার নিশ্চিত করতে 'মলিকোলার বায়োনজির' ওপর প্রশিক্ষণ নিতে দু'বার আমেরিকায় গিয়েছি। এখন 'স্ট্রেস টলারেবল' জিনের ওপর গবেষণা করে যাচ্ছি। আমাদের দেশে উচ্চ তাপমাত্রা ও লবণাক্ত মাটিতে ফসল উৎপাদন করার জন্য এই জিন দরকার।

আমাদের নারীর অগ্রগতি

সন্দেহ নেই, অতীতের চেয়ে বর্তমানে নারীরা শিক্ষা, প্রশিক্ষণ ও প্রযুক্তিতে এগিয়েছেন অনেকটাই। তবে পূর্ণাঙ্গ অধিকার থেকে এখনও বঞ্চিত তারা। বর্তমানে বিভিন্ন কর্মক্ষেত্রে ও শিক্ষা প্রতিষ্ঠানে নারীদের উপস্থিতি বেড়েছে যে অনুপাতে— মর্যাদা মোটেও সে অনুপাতে বাড়েনি। ইলেকট্রনিক ও ডিজিট মিডিয়ায় সুবাদে আমরা প্রতিনিয়তই নারীদের ওপর বিভিন্ন নির্ঘাতনের চিত্র দেখতে পাই। এ নির্ঘাতনের বৃত্ত থেকে বেরিয়ে আসার জন্য নারীদের প্রকৃত শিক্ষা ও কর্মমুখী শিক্ষায় শিক্ষিত হতে হবে। পাশাপাশি নিজেদের অধিকার সম্পর্কে সচেতন হতে হবে।

বিজ্ঞানে নারীদের অগ্রগতি

আমার মতে, এখন মোটামুটি চোখে পড়ার মতো। এটা আরও বাড়বে। কারণ বিজ্ঞান চর্চা করার জন্য প্রয়োজন ধৈর্য, আন্তরিকতা ও নিষ্ঠা। যা একজন নারীরই বেশি থাকে।