

CURRICULUM VITAE

**Mailing address**

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Hasina Khatun

PERSONAL INFORMATION

Name	:	Hasina Khatun
Husband' Name	:	Md. Maruf Akhter Kiron
Permanent Address	:	Vill.:Collegepara,, P.O : Dhanbari, Upazila: Dhanbari, Dist: Tangail
Present Address	:	16, Masrangha, BRRRI Residential Area,Gazipur
Date of birth	:	31May, 1979
Nationality	:	Bangladeshi (By birth)
Marital status	:	Married, one child
Blood group	:	B (+ve)
Sex	:	Female

ACADEMIC QUALIFICATIONS

Name of the examination	Board/University	Year of passing	Division /Class/ Grade	Marks Obtained (%)
MS in Biotechnology	Bangladesh Agricultural University, Mymensingh	2004	A	CGPA 3.766 (out of 4.00)
B.Sc. Ag.(Hon's) (4 yrs course)	Bangladesh Agricultural University, Mymensingh	2001 (Held in 2003)	1 st	62.35%
Higher Secondary Certificate (H.S.C.)	Dhaka	1996	1 st	82.7%
Secondary School Certificate (S.S.C.)	Dhaka	1994	1 st	82.3%

Course Work during MS to B.Sc.Ag (Hons.)

Course	Major Subject
MS in Biotechnology	
Semester I	Molecular cell Biology; Molecular Genetics; Gene Expression & Regulation; Biometry & Bioinformatics; Plant cell, tissue & organ culture; Environmental Biotechnology & Biosafety
Semester II	Recombinant DNA technology; Genetic Engineering & Biotechnology; Molecular Markers & Diagnostics; Molecular Techniques; Enzymology & Enzyme Technology; Biopharming & Bioengineering.
Thesis Semester	Title of MS Thesis The effect of the plant growth regulators on the growth & development of hybrid orchid(<i>Dendrobium odom x dendrobium dorin</i>)
B.Sc. in Agriculture (Hons.)	
Part IV	Agronomy, Agricultural Extension Education, Soil Science, Horticulture, Plant Pathology, Crop Botany, Entomology, Genetics & Plant Breeding,
Part III	Agronomy, Agricultural Extension Education, Soil Science, Horticulture, Plant Pathology, Crop Botany, Entomology, Genetics & Plant Breeding, Agro forestry, Agrichemistry
Part II	Agronomy, Statistics, Biochemistry, Agricultural Extension Education, Soil Science, Horticulture, Plant Pathology, Crop Botany, Entomology, Genetics & Plant Breeding,
Part I	Animal Science, Agronomy, Biochemistry, Agricultural Economics, Rural Sociology, Soil Science, Horticulture, Agro forestry, Agrichemistry & Chemistry

WORK EXPERIENCES:

8. Experience in Project activities at BRRI

- Working as a **Co-investigator** of the project **Green Super Rice** funded by Bill and Melinda Gates foundation 2010 to date.
- Working as a **Co-investigator** of the project Integrated Agricultural Productivity Project (**IAPP**) 2012 to date.
- Worked as a **Co-investigator** of the project **Development of research capacity of the Bangladesh Rice research Institute** funded by Korea International Cooperation Agency from 2011 to 2013
- Worked as a **Co-investigator** of the project **Dissemination of salt tolerant rice varieties and PVS in the salt affected coastal areas of Bangladesh** funded by DANIDA from 2010 to 2011
- Worked as a **Co-investigator** of the project **Stress Tolerant Rice for poor farmers of Africa and South Asia** funded by Bill and Melinda Gates foundation from 2009 to 2011.

9. Years of Job Experiences:

- Scientific Officer:** Plant Breeding Division, Bangladesh Rice Research Institute (BRRI) from August, 2009 to date.

10. Research Achievements:

Sl	Developed technologies	Type of technology	Working as	Year of development
1	BRRRI dhan53	Salt tolerant rice variety	Co -investigator	2010
2	BRRRI dhan54	Salt tolerant rice variety	Co -investigator	2010
3	BRRRI dhan55	Salt, cold and drought tolerant rice variety	Co -investigator	2011
4	BRRRI dhan59	High yielding and Irrigated rice variety	Co -investigator	2013
5	BRRRI dhan60	High yielding and Irrigated rice variety	Co -investigator	2013
6	BRRRI dhan69	High Yielding variety and Irrigated rice	Co -investigator	2014

11. List of Publications

Full Papers (11)(2 as Principal author and 9 as Co author)

- a). **Khatun, H.**, M. M. Khatun, D. Khanam, M. A. Malek and M. Al-Amin. 2007 .Effect of different plant growth regulators on plantlet regeneration in *Dendrobium* Hybrid orchid. Bangladesh J. of Agril. Res. 32 (4): 629-635.
- b). Khatun, M. M., **H. Khatun**, D. Khanam, M. A. Malek and M. Al-Amin. 2008. *In Vitro* culture of orchid. Bangladesh J. Agril. Res. 33 (2): 319-325.
- c). **Khatun, H.**, M. M. Khatun, M. S. Biswas, M. R. Kabir and M. Ali-Amin. 2010. *In vitro* growth and development of *Dendrobium* hybrid orchid. Bangladesh J. Agril. Res. 35(3): 507- 514.
- d). Khatun, M. M., **H. Khatun**, D. Khanam, and M. Al-Amin. 2010. *In Vitro* root formation and development in *Dendrobium* orchid. Bangladesh J. Agril. Res. 35 (2): 257-265.
- e) . Aditya, T. L., S. Ghosal, N. Sharma, M. R. Islam, R.R. Majumder, **H. Khatun**, R. Bhuiyan, F.M. Moinuddin, B. Karmaker. and T. H Ansari. 2010. General and specific adaptability through genotype-environment interactions of some somaclonal lines in rice. Bangladesh J. prog. Sci.& Tech. 8(1): 005-008.
- f) . Yasmin. F., M.R. Islam, S. Rehana, R.R. Mazumder, M. Anisuzzaman, **H. Khatun**, R. Rayha and G.B. Gregorio. 2012. Molecular characterization of inbred and hybrid rice genotypes of Bangladesh. SABRAO Journal of Breeding and Genetics. 44(1)163-175.
- g). M,Paul., R. R .Majumder., **H. Khatun**, L, Ali and R.K. Roy.2014. Genetic variability and character association in Tomato(*Lycopersicon esculentum* Mill.) Eco-friendly Agril. **J.** 7(10): 100-104.,
- h). M. Anisuzzaman,, M ,R .Islam, **H. Khatun**, M.S. Miah and P.S. Biswas.2014. Analysis of G × E interaction by Using the AMMI in advanced rice genotypes. Eco-friendly Agril. **J.** 7(10): 119-123.
- i). Bhuiyan.M.S.H, A.Zahan, **H.Khatun**, M.Iqbal, F.Alam and M.R.Manir.2014. Yield performance of newly developed test crossed hybrid rice variety. Int. J. of Agro.and Agril .Res. Vol. 5, No. 4, p. 48-54(1)
- j). M. S. H. Bhuiyan, A . Zahan, **H Khatun** ,M .R. Biswash and S Islam.2014. Performance of genetic variability and heterosis for test cross rice hybrid. Eco-friendly Agril. **J.** 7(11): 142-147
- k). M. R. Islam, M . Anisuzzaman, **H. Khatun**, N. Sharma, M. Z. Islam, A. Akter and Partha S. Biswas.2014.AMMI analysis of yield performance and stability of rice genotypes across different haor areas. Eco-friendly Agril. **J.** 7(02): 20-24

12. Books

1. Biswas, P. S.; H. Khatun, M Anisuzzaman and Hungo Hwang. 2013. Development of Research Capacity of the Bangladesh Rice research Institute. Study on the Cold Tolerant Rice varieties for Bangladesh. Korea International Cooperation Agency, 824, DaewangPangyo-ro, Sujeong-gu, Seongnam-si, Gyeonggi-do, Korea. PP: 1-108

13. Poster (6)

- a) BRRRI dhan47: a salt Tolerant Rice variety for Boro season, M R Islam, H Khatun and M Anisuzzaman, Plant Breeding Division, BRRRI, Gazipur
- b) W. tnj vj Dwi b Avn=§, W. tgv GLj vQž ingvb, W. tgv i nKž Bmj vg, W. Zgvj j Zv Aw Z, W. cv_@mvi_x nekjm, nbgp kgp, **numbv LvZb**, ggv=§ Avbmž/vgvb, i ZieivYx gRg vi | we^a avb55t AvDk I teftiv tgmžg Pvl ver` Dc:thvMx bZb RvZ | Dv^mc cRbb wefM, we^a MvRxcjy-1701 |
- c) W. cv_@mvi_x nekjm, ggv=§ Avbmž/vgvb, **numbv LvZb**, W. tgv: Avj gMxi tnvtmb, W. tnj vj Dwi b Avn=§ Ges W. Zgvj j Zv Aw Z | we^a avb59t GKU D'Pdj bkxj teftiv avtbi RvZ | Dv^mc cRbb wefM, we^a MvRxcjy-1701 |
- d) W. cv_@mvi_x nekjm, ggv=§ Avbmž/vgvb, **numbv LvZb**, W. tgv: Avj gMxi tnvtmb, W. tnj vj Dwi b Avn=§ Ges W. Zgvj j Zv Aw Z | we^a avb60t GKU D'Pdj bkxj teftiv avtbi RvZ | Dv^mc cRbb wefM, we^a MvRxcjy-1701 |
- e) W. cv_@mvi_x nekjm, W. tgv Avj gMxi tnvtmb, **numbv LvZb**, ggv=§ Avbmž/vgvb, W. tgv=§ Avj x mmi Kx, W. tnj vj Dwi b Avn=§ Ges W. Zgvj j Zv Aw Z | we^a avb62t nR¼ mgx` f RiebKvj xb tivcv Avgb avtbi RvZ | Dv^mc cRbb wefM, we^a MvRxcjy-1701 |
- f) W. cv_@mvi_x nekjm, W. tgv Avj gMxi tnvtmb, tgv gvKQžy nK, **numbv LvZb**, kvi dv mjZvbn` mB, W. tgv=§ Avj x mmi Kx, W. tnj vj Dwi b Avn=§ Ges W. Zgvj j Zv Aw Z | we^a avb64t nR¼ mgx` f RiebKvj xb teftiv avtbi RvZ | Dv^mc cRbb wefM, we^a MvRxcjy-1701 |

12. Training Received:

SL No	Title	Organization	Duration
Abroad training			
1	Rice Breeding course	IRRI, Philippines	11- 22March,2013
2	On job training on marker assisted cold tolerant rice breeding	Rice Research division, NICS, RDA, ,South Korea	7 August to 3 December, 2012
3	Phenotyping for abiotic stresses in Rice	IRRI, Philippines	27 October -11 November,2011
In country training			
1	Use of Fertilizer Recommendation Guide-2012	BARC ,Dhaka	27-29 April,2014
2	Research Methodology	BAU ,Mymensingh	17-29May,2014
3	Molecular Biology Application In Plant Breeding	BRRRI ,Gazipur	06June to 3 July,2014
4	Integrated Rice Production Training Course	BRRRI ,Gazipur	19- 24 January,2013
5	On farm Research Methodology	BARI Gazipur	16- 21 November,2013
6	Marker Assisted breeding theory and practice	Bangladesh Rice Research Institute (BRRRI)	26 Feb to 03 March ,2012

7	Genetic theory of hybrid rice breeding	Hybrid Rice Project, BRRI, Gazipur, Bangladesh	25 April- May,2011
8	Hybrid Rice Seed production Technology	Hybrid Rice Project, BRRI, Gazipur, Bangladesh	11-13 Oct,2010
9	One month rice production training	Bangladesh Rice Research Institute (BRRI)	21 March-19 April,2010
10	GSR-Hybrid rice seed production	Bangladesh Rice Research Institute (BRRI)	23-25 Feb,2010
11	Participatory Varietal selection	Bangladesh Rice Research Institute (BRRI)	22-23 Nov,2009
12	Hybrid Rice Development and Seed Production	Hybrid Rice Project, BRRI, Gazipur, Bangladesh	2-4 Nov, 2009
13	Marker Assisted Breeding for Agricultural crop	Bangladesh Agricultural Research Institute(BARI)	19-28 oct,2009

13. Professional skills

- Research program development, execution and reporting of research results.
- Data analysis and scientific report writing and presentation.
- Conduct PVS and PVT Trial program.

14. Research interests:

1. Gene/DNA Isolation and Isozyme analysis in plants, DNA fingerprinting, Gene Mapping in Plants and genetic engineering.
2. Identification and characterization of Gene, regulation of gene expression
3. *In Vitro* regeneration and Transformation/mutation of Rice
4. Genetic Variability and Diversity of plants, Stress Breeding
5. QTL analysis, MAS, MAB

15. Language & computer skills:

- Language Proficiency: Mother Tongue- **Bengali**
Secondary language- **English**
- Computer proficiency: Microsoft Office, Internet Browsing, Data Entry etc.
- Data analysis: MSTAT, CROPSTAT.
- Molecular Data analysis: Qgene, PowerMarker, QTL Cartographer, Map Manager, GGT, Flapjack, AlphaEase

16. Membership of professional bodies:

1. Life Member, Plant Breeding and Genetic Society of Bangladesh(PBGB)
2. Life member, Bangladesh Association of Advanced Science (BAAS)
3. Member, BRRI Scientists Association (BRRISA).