

## CURRICULUM VITAE

### 1. Personal information:

- a) Name of candidate : Dr. Mohammad Amir Hossain
- b) Father's name and profession : Mr. Md. Shafi Uddin  
JCO, Bangladesh Air Force (Rtd.)
- c) Mother's name and profession : Late Jahanara Begum  
House-wife
- d) Date of birth : 26-01-1964
- e) Place of birth : Dhaka
- f) Nationality : Bangladeshi
- g) Permanent address : PA- 86/1, Middle Badda, P.S.: Badda,  
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- h) Present/Mailing address with cell phone and e-mail (if any) : Principal Scientific Officer & Head  
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- j) Martial status : Married
- k) Religion : Islam

### 2. Academic qualifications:

Name of examination passed /Degree obtained	Branch /Subject	Year of passing	Division /Grade	Total marks/ CGPA	Total marks obtained /CGPA	Percentage of marks obtained
1	2	3	4	5	6	7
SSC/Equivalent	Science	1980	1 <sup>st</sup> Division	1,000	703	70.3
HSC/Equivalent	Science	1982	2 <sup>nd</sup> Division	1,000	563	56.3
Bachelor/Honors	Agricultural Science	1987 (Exam. held in 1990)	2 <sup>nd</sup> Class	4,300	2,474	57.5
Masters/MS/MSc etc. (if any)	Genetics & Plant Breeding	1993	1 <sup>st</sup> Class	4.00	3.91	
PhD (if any)	Genetics & Plant Breeding	2012	1 <sup>st</sup> Class	4.00	3.56	

### 3. Research Experience

*About twenty one (21) years of research experience*

<b>Position, Organization, Period</b>	<b>Responsibilities</b>
<b><i>Principal Scientific Officer &amp; Head</i></b>  BRRRI Regional Station Bhanga, Faridpur  <b>02-02-2015</b> to <b>Till to date</b>	i) Planning and execution of varietal development program of rice -Development of improved varieties of deepwater rice for shallow flooded situation. -Development of high yielding boro rice for single boro areas ii) Report writing through analysis and interpretation of results iii) Training to extension workers and farmers iv) Demonstration trials of BRRRI newly released rice varieties in the farmers' fields v) International collaboration with IRRI
<b><i>Principal Scientific Officer</i></b>  Plant Breeding Division Bangladesh Rice Research Institute (BRRRI) Gazipur 1701  <b>16-04-2014</b> to <b>01-02-2015</b>	i) Planning and execution of varietal development program of rice -Development of disease resistant rice against BLB and Blast ii) Report writing through analysis and interpretation of results iii) Training to extension workers and farmers iv) Demonstration trial in the farmers fields v) International collaboration with IRRI

<p><b>Senior Scientific Officer</b></p> <p>Plant Breeding Division Bangladesh Rice Research Institute (BIRRI) Gazipur 1701</p> <p><b>30-05-2001 to 15-04-2014</b></p>	<p>i) Planning and execution of varietal development program of rice and their hybrids viz.</p> <ul style="list-style-type: none"> <li>• Development of experimental rice hybrids by crossing the elite lines with the stable CMS lines.</li> <li>• Evaluation of experimental hybrids and their parents to find out the promising rice hybrids out-yielding the best conventional inbred varieties.</li> <li>• Development of improved varieties of deepwater rice for shallow flooded situation.</li> <li>• Development of improved traditional varieties of deepwater rice for deep flooded situation.</li> <li>• Development of T Aus varieties</li> </ul> <p>ii) Report writing through analysis and interpretation of results</p> <p>iii) Training to extension workers and farmers</p> <p>iv) Demonstration trial in the farmers fields</p> <p>v) International collaboration with IRRI</p>
<p><b>Scientific Officer</b></p> <p>Olericulture Division Horticulture Research Centre Bangladesh Agricultural Research Institute (BARI) Gazipur 1701</p> <p><b>30-01-1995 to 29-05-2001</b></p>	<p>i) Varietal development of vegetable crops like teale gourd, sweet gourd, muskmelon and hyacinth bean through-</p> <ul style="list-style-type: none"> <li>• Collection, evaluation and conservation of germplasm of vegetable crops especially cucurbits like teale gourd, pumpkin, and vegetable fruits like muskmelon and watermelon, and vegetable legumes such as country bean, yard long bean etc.</li> <li>• Development of inbreds of promising lines of different vegetables by controlled pollination (selfing) to develop open-pollinated variety.</li> </ul>
<p><b>Position, Organization, Period</b></p>	<p><b>Responsibilities</b></p>
<p><b>Scientific Officer</b></p> <p>Olericulture Division Horticulture Research Centre Bangladesh Agricultural Research Institute (BARI) Gazipur 1701</p>	<ul style="list-style-type: none"> <li>• Selection of desirable parental lines through multivariate analysis for development of hybrids in different vegetable crops like teale gourd, muskmelon and watermelon.</li> <li>• Off-season production and protective cultivation of muskmelon, long melon and watermelon.</li> <li>• Study of grafting compatibility of muskmelon and watermelon</li> </ul>

<p><b>30-01-1995 to 29-05-2001</b></p>	<p>on different resistant cucurbit rootstocks.</p> <ul style="list-style-type: none"> <li>• Production of breeder's seed of different released BARI vegetable varieties such as BARI Seam 1.</li> </ul> <p>ii) Research planning, implementation, data collection, analysis and writing of reports</p> <p>iii) Training to extension workers and farmers</p> <p>iv) Demonstration trial in the farmers fields</p> <p>v) International collaboration with AVRDC</p>
<p><b>Research Fellow</b></p> <p>Olericulture Division Horticulture Research Centre, Bangladesh Agricultural Research Institute (<b>BARI</b>) Gazipur 1701 –under National Science &amp; Technology Fellowship programme, sponsored by the <b>Ministry of Science &amp; Technology</b></p> <p><b>30-06-1994 to 29-01-1995</b></p>	<p>Worked under the project of “Cytogenetical studies in <i>Momordica</i> and production of interspecific hybrids between <i>M. dioica</i> <i>M. cochinchinensis</i> through embryo culture.</p> <p>Developed seedless interspecific hybrid of teasle gourd.</p>

#### 4. Professional Training

	Name	Duration	Sponsor	Place
<b>FOREIGN</b>				
<b>Rice</b>				
	Rice Breeding	5-23 Aug. 2002	IRRI	Manila, Philippines
<b>Vegetable crops</b>				
	Horticulture in protected environment	17 Sept.- 12 Dec.1997	JICA	Osaka, Japan
	Name	Duration	Sponsor	Place
<b>IN-COUNTRY</b>				
<b>Rice</b>				
i.	Research proposal preparation and scientific report writing	09-13 Feb., 2013	KGF	BRAC-CDM Rajendrapur
ii.	Capacity development for farm management strategies to improve crop-water productivity using <i>AquaCrop</i> model	08-12 Oct., 2012	FAO	BRRI, Gazipur
iii.	Theoretical and applied molecular breeding	24-29 Sept., 2012	NATP- <i>Saltol-Sub1</i> Project	BRRI, Gazipur
iv.	Seed quality management	21-23 May, 2012	BARC	BARC, Dhaka
v.	Rice production, communication and office management	21 Dec. '03- 18 Feb. 2004	BRRI	BRRI, Gazipur
vi.	Hybrid rice cultivation and seed production	28 Nov- 3 Dec. 2001	BRRI, IRRI/ADB	BRRI, Gazipur
<b>Vegetable crops</b>				
i.	Plant genetic resources conservation and utilization	09-12 April, 2007	BARI	BARI, Gazipur
ii.	Post-harvest technology of horticultural crops	27-31 May 2001	HRC, BARI	BARI, Gazipur
iii.	MIS data capture	26 Oct.-9 Nov. 2000	BARI, BARC	BARI, Gazipur
iv.	Integrated crop management for tomato and eggplant	12-22 April 1999	AVRDC-USAID	BARI, Gazipur
v.	Seed production and maintenance breeding in winter vegetables	06-10 Dec. 1998	BARI, FAO	BARI, Gazipur
vi.	Vegetable breeding for biotic stress resistance	30 March- 2 April 1998	BARI, FAO	BARI, Gazipur

	Name	Duration	Sponsor	Place
vii.	Nursery management and vegetative propagation of horticultural crops	15-25 March 1997	BARI, FAO/ UNDP	BARI, Gazipur
viii.	Induction training	31 Aug.- 26 Oct.1996	BARI	BARI, Gazipur
ix.	Hybrid production in Solanaceous vegetables and Cucurbits	22-27 June 1996	BARI, AVRDC	BARI, Gazipur
x.	Use of laboratory equipment for vegetable crops improvement	22-26 Dec. 1995	BARI, AVRDC	BARI, Gazipur
xi.	Maintenance breeding and seed production of vegetable crops	09-11 Sept. 1995	BARI, FAO	BARI, Gazipur

## 5. Publication of articles

**Total Publication (SO to PSO): 29 (twenty nine)**

### (a) Scientific journals

#### (i) Full paper

##### (a) Paper published in the Reputed International Journal

**1. Hossain, M.A., M. Islam and M. Ali.** 1996. Sexual crossing between two genetically female plants and sex genetics of kakrol (*Momordica dioica* Roxb.) *Euphytica*. **90**: 121-125.  
[*Netherlands Journal of Plant Breeding, Impact Factor: 1.554 (2011)*]

##### (b) National Journals

**2. M. Ali, M. A. Hossain, M. J. Hasan and M. E. Kabir.** 2014. Identification of maintainer and restorer lines in local aromatic rice (*Oryza sativa*). *Bangladesh J. Agril. Res.* **39 (1)**: 1-12.

**3. M. Ali, M. A. Hossain, M. U. Kulsum, N. Sharma and M. A. K. Mian.** 2013. *Eco-friendly Agril. J.* **6(05)**: 78-82.

**4. M. Ali, M. A. K. Mian, M. G. Rasul, M. A. Aziz Miah, M. Z. Alam and M. A. Hossain.** 2012. Genetic diversity in local aromatic rice (*Oryza sativa* L.) genotypes. *Bangladesh J. Pl. Breed. Genet.* **25(2)**: 33-40.

**5. Hossain, M. A., K. M. Akther, M. A. Salam, M. Khatun and M. E. Hoque.** 2007. Yield stability of some T. Aus rice genotypes. *Bangladesh J. Prog. Sci. & Tech.* **5(1)**: 173-176.

**6. Hossain, M. A., A. M. Nurrnabi, M. J. Hasan, A. W. Julfiquar and M. E. Hoque.** 2006. Genetic diversity in some maintainer and restorer lines of rice (*Oryza sativa* L.). *Intl. J. BioRes.* **1(4)**: 16-19.

**7. Hossain, M.A., A.W. Julfiquar, A.M. Nurunnabi, M.S. Kabir and M.E. Hoque.** 2005. Yield stability of some rice hybrids. *Bangladesh J. Prog. Sci. & Tech.* **3(1)**: 19-22.

**8. Hossain, M. A., M.A. Salam, J.K. Biswas, M.A.A. Mahbub and M.E. Hoque.** 2005. Genotype-location

interaction and stability of deepwater rice genotypes. *Bangladesh J. Prog. Sci. & Tech.* **3(1)**: 5-8.

9. Khatun, M., P.S. Biswas, **M. A. Hossain**, M.K. Hossain and H. Begum. 2010. Genetic variability, character association and path co-efficient analysis of rice genotypes (*Oryza sativa* L.). *Intl. J. BioRes.* 9(3): 36-40.

10. Iftekharuddaula, K.M., M. A. Newaz, K. Akter and **M. A. Hossain**. 2008. Genetic variability, character associations and path analysis for yield contributing characters in hybrid population of rice (*Oryza sativa* L.). *Bangladesh J. Agric.* **33(1)**: 39-44.

11. Iftekharuddaula, K.M., M. A. Newaz, S. Khatun and **M. A. Hossain**. 2008. Heterosis of yield and physiological characters in diallel cross of rice (*Oryza sativa* L.). *Bangladesh J. Agric.* **33(1)**: 51-60.

12. Mahbub, M.A.A., M. Khanam, M.S. Rahman, **M. A. Hossain** and A. R. Gomosta. 2006. Determination of lodging characters of some BRRI recommended rice varieties at three nitrogen levels during wet season in Bangladesh. *Bangladesh J. Bot.* **35(2)**: 117-124.

13. Hoque, M.E., **M.A. Hossain**, T.L. Aditya, M. Khalequzzaman and M.S. Ali. 2005. Genotype-environment interaction and stability analysis in anther culture derived rice genotypes. *Bangladesh J. Plant Breed. Genet.* **18(1)**: 31-34.

14. Mollik, A.K.M.S.R., S.C. Barman, M. Nazimuddin, **M. A. Hossain** and M.S. Islam. 2005. Effect of CV Plant Food (micro-nutrient) on the yield of chilli and its economic evaluation. *Bangladesh J. Sci. Ind. Res.* **40(3-4)**: 255-260.

15. Masud, M.A.T., **M.A. Hossain**, S.R. Saha, A. Muhammad and S.M.M. Hossain. 2003. Genetic divergence in ridge gourd [*Luffa acutangula* (Roxb.) L.]. *Bangladesh J. Pl. Breed. Genet.* **16(2)**: 17-22.

16. Rahman, M.M., M.A. Rahim, **M.A. Hossain** and S.R. Saha. 2002-2003. Genetic divergence study in guava (*Psidium guajava* L.). *Bangladesh J. Agric.* **27 & 28**: 99-105.

17. Saifullah, M., A.K. Azad, M.I. Nazrul, M.R. Islam and **M. A. Hossain**. 1999. Genetic diversity in jackfruit (*Artocarpus heterophyllus* Lam) grown in Bangladesh. *Bangladesh J. Plant Breed. Genet.* **12 (1 & 2)**: 1-6.

18. Masud, M.A.T., M.A.Z. Chowdhury, **M.A. Hossain** and S.M.M. Hossain. 1995. Multivariate analysis in pumpkin (*Cucurbita moschata* Duch ex Poir). *Bangladesh J. Plant Breed. Genet.* **8 (1 & 2)**: 45-50.

## (ii) Short Communication:

19. Hawlader, M.S.H., K.M. Akter, Z. Nessa and **M. A. Hossain**. 2006. Evaluation of Transplant Aus rice varieties cultivated by farmers. *Bangladesh J. Agric.* **31 (1 & 2)**: 97-100.

## (b) Seminar/Workshop/Symposium Proceedings/Abstract

### (i) International

20. Mollik, S.R., **M. A. Hossain**, N.A. Begum, R. Ara and S.M.M. Hossain. 2001. On-Farm evaluation of elite varieties-Chilli. *Proc. South Asia Veg. Res. Network (SVERNET-II) Final Workshop*, AVRDC publication no. 01-517: 7-8.

21. Mollik, S.R., **M. A. Hossain**, S. Islam and AS.M.H. Rashid. 2001. On-Farm evaluation of elite varieties-Onion. *Proc. South Asia Veg. Res. Network (SVERNET-II) Final Workshop*, AVRDC publication no. 01-517: 8-9.

22. Ali, M., **M.A. Hossain** and M. Islam. 1994. Female homosexual crossing in kakrol (*Momordica dioica* Roxb.). XXIV Intl. Hort. Congress. Kyoto, Japan (Abstract No.: 0-41-2).

**(ii) National**

**23. Hossain, M. A.,** M.A.K. Mian and M.G. Rasul. 2013. Exploitation of diversified male sterile cytosources in developing hybrid rice. Presented in *Thursday Seminar at BRRI*, Gazipur on 10 January, 2013.

**24. Hossain, M.A.,** K. M. Akther and M. A.. Salam. 2008. BRRI dhan48: A proposed variety for Transplant Aus. Presented in *Thursday Seminar at BRRI*, Gazipur on 3 July, 2008.

**25. Hossain, M.A.,** M. Tarik and S.M.M. Hossain. 1996. Development of seedless kakrol. *Proc. 19<sup>th</sup> Bangladesh Sci. Conf., Part-2*: 151-153.

**26. Hossain, M.A.,** M. Islam and M. Ali. Crossing between two female kakrol genotypes. 1994. *18<sup>th</sup> Bangladesh Sci. Conf., Bangladesh Agril. Uni., Mymensingh, Bangladesh (Abstract No.: Section II, 45)*.

**27. Hossain, M.A.,** M.M. Islam and M. Ali. 1994. Sex genetics of kakrol and its utilization in breeding. *Presented in a Seminar at Inst. Biol. Sci., Rajshahi Univ., Rajshahi* on 7 May, 1994.

**(c) Thesis/Dissertation**

**28. Hossain, M. A.** 1993. Intr- and interspecific cross compatibility in *Momordica*. M. S. Thesis. Submitted to the Department of Genetics & Plant Breeding, The Institute of Postgraduate Studies in Agriculture (IPSA), Gazipur. P 59.

**29. Hossain, M. A.** 2012. Exploitation of diversified male sterile cytosources in developing hybrid rice. Ph D Dissertation. Submitted to the Department of Genetics & Plant Breeding, The Institute of Postgraduate Studies in Agriculture (IPSA), Gazipur. p 249.

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