

## Curriculum Vitae (CV) of Dr. Md. Ashraf Haque

1. Name	: <b>MD. ASHRAFUL HAQUE</b>
2. Name of father with address	: Late Shawkot Ali Vill. Kanaidanga, PO. Chandrabash, PS.Damurhuda, Dist. Chuadanga, Bangladesh.
3. a) Date of birth (according to Matric / SSC Certificate)	: 1 <sup>st</sup> November, 1973
b) Place of birth	: Chuadanga, Bangladesh.
c) Nationality	: Bangladeshi (by birth).
d) Permanent home address	: Vill. Kanaidanga, PO. Chandrabash, PS.Damurhuda, Dist. Chuadanga, Bangladesh.
e) Present address	: Associate Professor, Department of Genetics and Plant Breeding, Bangladesh Agricultural University, Mymensingh-2202, Bangladesh. <a href="mailto:ashraf_gpb2000@yahoo.com">ashraf_gpb2000@yahoo.com</a>
f) Marital status	: Married
g) Religion	: Islam

### 4. 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 or Degree
	From	To			
Karpashdanga High School, Chuadanga.	1983	1988	SSC (Science)	First Division	1988
Kushtia Government College, Kushtia.	1988	1990	HSC (Science)	First Division	1990
Bangladesh Agricultural University, Mymensingh.	1991	1995	B.Sc.Ag	First Class & <b>First</b> Position	1995 (Exam. held in 1999)
Bangladesh Agricultural University, Mymensingh.	2000	2001	MS in Genetics and Plant Breeding	First Class with <b>Distinction</b> (Grade A <sup>+</sup> )	December, 2001
Tokyo University of Agriculture and Technology, Japan.	2006	2009	Doctor of Philosophy	Awarded	September, 2009

\* Please see the Appendix-I for name of the examinations with subjects offered

## **5. Academic awards**

- \* **Special recognition award-2011 through post doctoral research by the Ohio State University, USA.**
- \* IDB Merit Scholarship-2011 for a post doctoral research in the Ohio State University, USA.
- \* Monbukagakushu Scholarship for Special 3 years Doctoral Program offered by the Ministry of Education, Culture, Sports Science and Technology- Japan from October, 2006 to September, 2009.
- \* President Gold Medal award offered by the Chancellor of Bangladesh Agricultural University during February, 2003.
- \* Vice-Chancellor awards offered by the Vice-Chancellor of Bangladesh Agricultural University during February, 2003.
- \* National Science and Technology awards offered by the Ministry of Science and Technology, Bangladesh during 2000-2001.
- \* Shitabjan Memorial Trust awards offered by the Vice-Chancellor of Bangladesh Agricultural University during 2000.

## **6. Membership**

- \* General member of Plant Breeding and Genetics Society of Bangladesh.
- \* Life member of Bangladesh Association of Biotechnology.

## **7. Training Program**

- \* Successfully completed a course on General English from British Council, Bangladesh.
- \* Successfully completed a Postgraduate Certificate course on Seed Technology.
- \* A training program offered by Graduate Training Institute on Scientific Report Writing
- \* A training program offered by Graduate Training Institute on Teaching Methods and Techniques
- \* A training program offered by Graduate Training Institute on Statistical Methods of Analysis
- \* A training program offered by Graduate Training Institute on Project Cycle Management
- \* A training program offered by Graduate Training Institute on Web page Design and Hosting
- \* A training program offered by Graduate Training Institute on ISWS-510 Facilitating Learning

\* A field trip offered by Bangladesh Agricultural University on Agricultural extension work in field level

\* A workshop on Women for Women offered by Bangladesh Agricultural University.

## 8. Research Interest

1. Functional analysis and characterization of plant genes related to defense and regulation mechanism against biotic and environmental stresses.
2. Expression pattern of biotic stress related transcription factors/genes and signal transduction.
3. Functional and promoter activities of pathogenesis related genes.
4. In vitro study of some major crops for their screening based on yield contributing characters
5. Development and establishment of transgenic plants with suitable genes.

## 9. Expertise in Advanced Laboratory Techniques

Collection of data, statistical analysis of data, graphical representation, design of experiment RNA, DNA and Protein extraction & purification, gel electrophoresis, Polymerase Chain Reaction (PCR), Reverse Transcriptase Polymerase Chain Reaction (RT-PCR), Cloning, GFP and RFP fusion, Yeast one and two hybrid system, Sequencing and gene silencing, Agrobacterium-mediated transformation in plants, Multiple sequence alignment by using BLAST, Designing Primer and Vector, SDS-Page, Western blotting. Microscopy, Cytological Operations, Embryo and anther culture of plants and hybridization of crop plants etc.

## 10. List of Publications of Dr. Md. Ashraful Haque

1. **Md. Ashraful Haque**, Mark W. Jones, M. G., Redinbaugh and Stewart L.R. (2011). Screening of corn genotypes with introgressed *Wsm* loci for resistance to the potyviruses *Johnsongrass mosaic virus* (JGMV) and *Sorghum mosaic virus* (SrMV). Sixth Annu. Res. Exp.-2011 by the OSU, USA.

2. Mayumi, T., Odaira, S., **Md. A. Haque**, Sasaki, N. and Nyunoya, H. (2011). Overexpression of Dof transcription factor accelerates hypersensitive response to the elicitor of *Tobacco Mosaic Virus* through the upregulation of the tobacco resistance gene *N*. 8<sup>th</sup> *Solanaceae and 2<sup>nd</sup> Cucurbitaceae* joint conference, Kobe, Japan.

3. Sasaki, N., **Haque, M. A.**, Mayumi, T., Odaira, S. and Nyunoya, H. (2011). Transcriptional transactivation of the tobacco resistance gene *N* for *Tobacco Mosaic Virus* through its own product N protein. World Congress of Microbes-2011, Beijing, China.

4. **Md. Ashraful Haque**, Nobumitsu Sasaki, Hiromi Kanegae, Seisuke Mimori, Jun-Shan Gao and Hiroshi Nyunoya. (2009). Identification of a *Tobacco mosaic virus* elicitor-responsive sequence in the resistance gene *N*. *Physiol Mol Plant Pathol* 73, 101-108.
5. **Haque, M. A.**, Yasmin M. R., Hossain, M. S. Mia, M. S. and M. S. Kabir. (2010). Effect of growth hormones on micropropagation of Garlic. *Bangladesh J. crop. Sci.* 21 (1): 19-23.
6. Sasaki, N., **Haque, M. A.**, Matsumaru, M., Odara, S., Nyunoya, H. (2010). Involvement of tobacco transcription factor Dof proteins in the promoter activation of the resistance gene *N* against *Tobacco mosaic virus*. *21st International Conference on Arabidopsis research held in Yokohama, Japan*, p-65.
7. **Haque, M. A.**, Yasmin, M. R., Kabir, A. T. M. A. , Firoz, S. M. S. and Jamal, M.R. (2010). *In vitro* regeneration and transformation of Chickpea (*Cicer arietinum* L.) via grafting. *Bangladesh J. crop. Sci.* 21 (1):.....
8. M. M. Khatun, Hossain, M. S., **Haque, M. A.** and M. Khalekuzzaman. (2010). *In Vitro* propagation of *Citrullus Lanatus* Thumb. From nodal explants culture. *J. Bangladesh Agril. Univ.* 8(2):203-206.
9. **Md. Ashraful Haque**, Nobumitsu Sasaki, Hiromi Kanegae, Jun-Shan Gao and Hiroshi Nyunoya. (2009). Elicitor responsive 20-bp element of the Tobacco mosaic virus resistance gene *N*. XIV international congress on Molecular Plant Microbe Interactions (**MPMI**) held in Quebec city, Canada, p- 72.
10. **Md. Ashraful Haque**, Nobumitsu Sasaki, Hiromi Kanegae, Jun-Shan Gao and Hiroshi Nyunoya. (2009). Study on the regulation of the elicitor-responsive expression of *Tobacco mosaic virus* resistance. The international congress on Molecular Biology held in Meiji, Japan.
11. **Md. Ashraful Haque**, Nobumitsu Sasaki, Matsumaru Masamichi and Hiroshi Nyunoya. (2009). Functional involvement of tobacco Dof protein in the resistance to *Tobacco mosaic virus*. The international congress on Biochemistry and Molecular Biology held in Yokohama, Japan.
12. **Haque, M. A.**, Yasmin M. R., Rajesh, S and Hassan, L. (2009). *In vitro* screening of rapeseed and mustard genotype for salt tolerance. *Bangladesh J. Enviorn. Sci.* 17:74-79.
13. **Haque, M. A.**, Yasmin M. R., Dey, R and Hassan, L. (2009). *In vitro* regeneration of rice. *Bangladesh J. Enviorn. Sci.* 17: 92-97.

14. Yasmin M. R. and **Haque, M. A.** (2009). Micropropagation through stem disc culture and its growth parameters affecting bulblet formation of garlic. Bangladesh J. Environ. Sci. 16: 243-248.
15. **Md. Ashraful Haque**, Nobumitsu Sasaki and Hiroshi Nyunoya. (2008). Identification of a cis regulatory element of the *Tobacco mosaic virus* resistance gene *N*. The international congress on Biochemistry and Molecular Biology held in Kobe, Japan, p- 501.
16. **Md. Ashraful Haque.** (2007). Analyses of virus resistance *N* gene promoter of *Nicotiana tabacum*. A congress arranged by the United Graduate School of Agricultural Science, Tokyo University of Agriculture and Technology held in Chiba, Japan.
17. **Haque, M. A.** and M. R. Yasmin. (2006). Determination of total Sulphur in local cultivars of Garlic. Bangladesh J. Crop. Sci.17 (1) 251-255.
18. **Haque, M. A.** and M. R. Yasmin. (2006).Sulfur utilization and Genotype- Environment interaction in Garlic. Bangladesh J. Environ. Sci. 12 (1): 150-154.
19. Hossain, M. S., M. Khalekuzzaman, O. I. Joarder, **Haque, M.A.** and M. M. Rahman. (2006). Multivariate Analysis in Rice Genotypes. Bangladesh J. Crop. Sci.17 (1) 7-12.
20. Yasmin, R., **Haque, M. A.** and Hassan, L. (2005).Comprehensive *in vitro* regeneration and screening of virus free Garlic cultivars. J. Bangladesh. Soc. Agril. Sci.Technol. 2 (3 and 4):125-128.
21. **Haque, M.A.** and M.S. Alam. (2004). *In vitro* shoot regeneration and Plantlet formation in Garlic. J. Bangladesh. Soc. Agril. Sci. Technol. 1 and 2(1): 54-60.
22. **Haque, M.A.** (2004). Chromosome Identification in Papaya (*Carica papaya*). J. Bangladesh Agril. Univ. 2(1):15-20.
23. **Haque, M.A.** (2003). Production of chromosomal variant in Garlic using colchicine under *in vitro* condition. Progres. Agric. 14(1 and 2): 57-60.
24. **Haque, M. A.** (2003). Efficacy of sucrose on direct regeneration and rapid bulblet formation in Garlic (*Allium sativum*). Bangladesh J. Environ. Sci. 9(2): 205-211.

25. **Haque, M. A.**, Ahmad, Q.N. and Alam, M. S. (2002). Somatic embryogenesis and formation of microbulbil under *in vitro* regeneration of Garlic (*Allium sativum*). Bangladesh J. Enviorn. Sci. 8: 87-90.
26. **Haque, M. A.**, Nath, U.K, Ahmad, Q.N and Alam, M.S. (2003). Effect of 2, 4-D and BAP on *in vitro* regeneration of Garlic (*Allium sativum*). Online J. Biol. Sci. 2(12): 771-774.
27. Hossain, M.A., Karim, M.R., Begum, S., Hossain, M.A and **Haque, M. A.** (2002). Effect of Cephalixin on sex expression, fruit development and yield of Cucumber (*Cucumis sativus* L.). Online J. Biol. Sci. 2 (10): 656-658.
28. Datta, S., Rahman. M.M., **Haque, M. A.**, Islam, M.M. and Mollah, M.F.A.(2002). Chromosomal studies on *Ompok pabda* (Hamilton). Bangladesh J. Enviorn. Sci. 8:179-182.

Dr. Md. Ashraful Haque  
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Dept. of Genetics and Plant Breeding  
Bangladesh Agricultural University  
Mymensingh, Bangladesh.  
And  
Post doctoral fellow at the Ohio State University, USA.

### Appendix-I: Name of the Examinations with Subjects Offered

Name of the Examinations	Subjects offered
Secondary School Certificate (SSC)	Bengali, English, General Mathematics, Geography, General Science (Ist & 2nd paper), Elective Mathematics and Religious Education.
Higher Secondary Certificate (HSC)	Bengali, English, Physics, Chemistry, Mathematics and Biology.
Bachelor of Science in Agriculture (BSc Ag)	Agronomy, Soil Science, Horticulture, Crop Botany, Entomology, Plant Pathology, Genetics & Plant Breeding, Agril. Extension Education, Agril. Chemistry, Biochemistry, Chemistry, Agril. Economics, Animal Husbandry, Farm Mechanics, Agril. Statistics, and Rural Sociology.
Master of Science (MS) in Genetics and Plant Breeding	<p>Cytology and Embryology, Biometrical and Population Genetics, Crop Evolution and Plant Genetic Resources, Cytogenetics, Distant Hybridization and Chromosome Manipulation, Biotechnology and Genetic Engineering, Principles of Plant Breeding, Molecular and Developmental Genetics, Breeding Behaviour and Selection Method, Experimentation and Data Analysis.</p> <p><b>Thesis Title:</b> Individual chromosome identification through karyotype analysis and production of tissue culture regenerants in garlic.</p>
Doctor of Philosophy in the division of Applied Biological Science.	<p>Chromosomal evolution and gene expression in higher plant, Molecular aspects in plant-pathogen interaction, Structure and function of extracellular matrix, Bioactive material chemistry, Intermolecular interaction and supermolecular chemistry, Genome mapping and breeding in crop plants, Versatile function of RNA, Carbon reduction with forest resources and other courses offered by the United Graduate School of Agricultural Science at Tokyo University of Agriculture and Technology in collaboration with other member Universities.</p> <p><b>Thesis Title:</b> Study on the regulation of the elicitor-responsive expression of <i>Tobacco mosaic virus</i> resistance gene <i>N</i></p>