

Curriculum vitae

Dr. Md. Anwarul Haque

Principal Scientific Officer
Bangladesh Rice Research Institute
Regional Station
Sonagazi, Feni

1. General Information

Father's Name : Late Md. Burhan Uddin Bhuiya
Mother's Name : Mrs. Anwara Begum
Permanent Address : 20/1 Hazibag, Joydebpur, Gazipur-1700
Present Address : Principal Scientific Officer, Bangladesh Rice Research Institute, Regional Station, Sonagazi, Feni
Nationality : Bangladeshi by birth
Marital Status : Married
Date of Birth : 09 March 1966
Basic degree : B. Sc. Agricultural Engineering major in Food Technology
Field of specialization : Grain quality and nutrition, Food and molecular microbiology
Date of entry into service : 21- 11 -1994

2. Academic Career

| <i>Degree/Diploma/ Certificate</i> | <i>Class/Grade/Division</i> | <i>University/Board</i> | <i>Year</i> |
|---|-----------------------------|--|-------------|
| PhD in Food Microbiology | - | University of London, UK | 2002 |
| Diploma in Microbiology | - | Imperial College, UK | 2002 |
| M.Sc. in Food Technology | 1 st Class | Bangladesh Agricultural University, Mymensingh | 1990* |
| B.Sc. Ag. Engg. (Hons.) Major in Food Technology | 2 nd Class | -do- | 1988* |
| HSC (Science) | 1 st Division | Dhaka Board | 1984 |
| SSC (Science) | 1 st Division | -do- | 1981 |

*B. Sc. Ag. Engg. (Hons.) Exam. Held in 1991 and M. Sc Exam held in 1997

3. Present Job and Responsibility

| <i>Designation</i> | <i>Name of employing organization</i> | <i>Date of joining</i> | <i>Date of leaving</i> | <i>Nature of duties</i> |
|------------------------------|--|------------------------|------------------------|--|
| Scientific Officer | Bangladesh Rice Research Institute (BRRI), Gazipur | 21 November 1994 | 30 January 2004 | <ul style="list-style-type: none"> • Research program building and completion. |
| Senior Scientific Officer | Bangladesh Rice Research Institute (BRRI), Gazipur | 31 January 2004 | 24 November 2009 | <ul style="list-style-type: none"> • Research on nutritional and microbiological analysis of rice and other cereals and cereal products. • Report writing and presentation |
| Principal Scientific Officer | Bangladesh Rice Research Institute (BRRI), Gazipur | 25 November 2009 | To date | <ul style="list-style-type: none"> • Technology transfer in farmers' field at different region of Bangladesh. |

4. Research Experience

- ✚ Conducted research on rice in order to develop modern varieties with high yield potentials. Also developed component technologies for improving productivity and transferred crop production technologies through training, workshops, seminars, symposium and publications.
- ✚ Developed, supervised and executed priority research programmes of BRRI and report presented in the seminar and workshop.
- ✚ Engaged to characterise some food-spoilage and food-poisoning bacteria from rice and rice products. Also engaged in detection of toxins from food poisoning bacteria.

5. Training Experience

✚ Obtained five national and three international training courses as mentioned below

| <i>Sl. #</i> | <i>Training course title</i> | <i>Duration</i> | <i>Institution attended</i> |
|--------------|---|-----------------|-----------------------------|
| 01 | Rice production, Applied research, Communication and Administration | Two months | BRRI, Gazipur |
| 02 | Food and Nutrition Security in Bangladesh | Two weeks | BRRI, Gazipur |
| 03 | Hybrid Rice Seed Production Training | Two days | BRRI, Gazipur |
| 04 | Food Processing and Preservation | One week | BCSIR, Dhaka |
| 05 | Rice production Training Course | One week | BRRI, Gazipur |
| 06 | Laboratory Induction Course | Three days | Wye College, UK |
| 07 | IT Training | Five days | Wye College, UK |
| 08 | New Technologies in Food Packaging and Food Preservation | Two weeks | University of Gent, Belgium |

6. Publications

Have 24 articles published in several research journals of home and abroad. The publication list is mentioned below:

1. Haque, M.A. *et al.* 2002. The effect of aqueous extracted wheat bran on the baking quality of biscuit. *Intl. J. Environ. Food Sci.Tech.* 37: 453-462.
2. Haque, M.A. and N.J. Russell. 2004. Strains of *Bacillus cereus* vary in the phenotypic adaptation of their membrane lipid composition in response to low water activity, reduced temperature and growth in rice starch. *Microbiology.* 150: 1397-1404.
3. Haque, M.A. and N.J. Russell. 2005. Phenotypic and genotypic characterisation of *Bacillus cereus* isolates from Bangladeshi rice. *Intl. J. Environ. Food Microbiology.* 98: 23-34.
4. Haque, M.A. *et al.* 2006. The effect of aqueous extracted wheat bran on the baking quality of cracker. *J. Inst. Eng. Bangladesh.* 32: 71-83.
5. Haque, M.A. and N.J. Russell. 2009. Lipid composition of *Bacillus cereus* spores vary in the phenotypic adaptation in response to reduced temperature and in soluble starch. *Eco-friendly Agril. J.* 2 (1): 374-380.

6. Haque, M.A. and N.J. Russell. 2009. The effect of time and temperature on heat resistance and germination of *Bacillus cereus* spores. *Eco-friendly Agril. J. 2* (2): 406-413.
7. Haque, M.A. and N.J. Russell. 2009. Substrate utilization and growth behaviour of *Bacillus cereus* isolates. *Eco-friendly Agril. J. 2* (2): 420-427.
8. Haque, M.A. and N.J. Russell. 2009. Comparative study on phenotypic adaptation of membrane lipid composition of vegetative cell and spore of *Bacillus cereus* strains. *Eco-friendly Agril. J. 2* (3): 464-473.
9. Haque, M. A. *et al.* 2009. A study on the effect of vegetable powder on instant fish soup mix. *Eco-friendly Agril. J. 2* (4): 526-530.
10. Begum, F. *et al.* 1999. Effect of soaking on physical and cooking properties of rice. *South Asian J. Nutr. 1*(1&2): 41-44.
11. Hossain, K.M. *et al.* 2000. A study on quality of chomchom and Malaikari-Market and laboratory made Sweet-Meats of selected areas in Bangladesh. *South Asian J. Nutr. 1*(1&2): 69-76.
12. Uddin, M.M. *et al.* 2004. Effect of potassium permanganate and aging on the shelf-life of tomato "Ratan" at two maturing stages of fruits. *Bangladesh J. Environ. Sci. 10*:161- 164.
13. Alam, M.M. *et al.* 2004. Studies on storage stability of guava juice and jelly.. *J. Inst. Eng. Bangladesh. Vol. 31/AE, No.1.*
14. Badshah, M.A. *et al.* 2005. Influence of nitrogen levels on growth and physiology of new plant type of inbreed rice. *Bangladesh J. Prog. Sci. & Tech. 3*(2):131-134.
15. Badshah, M.A. *et al.* 2005. Effect of different levels of nitrogen on grain yield, protein content and N-use efficiency of new plant type of inbreed rice. *Bangladesh J. Prog. Sci. & Tech. 3*(2):189-192.
16. Huda, M.D. *et al.* 2006. Test and evaluation of SRR-1 dryer in Bangladesh. *Intl. J. BioRes.1*(1):21-29.
17. Dewan, M.M.R. *et al.* 2009. Variability study of and yield contributing characters of forty-six ash gourd accessions. *Eco-friendly Agril. J. 2* (2): 433-437.
18. Hossain M.A. *et al.* 2009. Processing of green mango by drying and pickling. *Eco-friendly Agril. J. 2* (2): 401-405.
19. Chowdhury, M.A.A. *et al.* Effect of reduced rate of P, S and Zn on yield and yield contributing characters of BRR1 Dhan30. *Eco-friendly Agril. J. 2* (2): 396-400.
20. Islam, S.A. *et al.* 2009. Effect of charcoal in regeneration of *Anthurium andreanum* cv. Nitta. *Eco-friendly Agril. J. 2* (3): 456-463.
21. Mukul, M.H.R. *et al.* 2009. Study on the sorption behaviour of potassium in soils. *Int. J. Sustain. Agril. Tech. 5*(2): 46-50.
22. Mahbub, M.A.A. *et al.* 2008. Effect of polyethylene cover on quality rice seedling production during winter season. *Bangladesh Rice J. 14* (1&2): 16-21.
23. Mahbub, M.A.A. *et al.* 2010. Performance of breeding lines regarding the seedling quality, elongation, survival and recovery ability under submergence condition. *Eco-friendly Agril. J. 3* (1): 16-21.

24. Hossain, M.A. *et al.* 2010. Performance evaluation of the BRRRI development wet and dry land weeder. *Intl. J. BioRes.* 8 (1): 27-34.

7. Others relevant activities

a. Knowledge of computer and training equipment

- ✚ Have good computer knowledge in MS Word, Msexcell, PowerPoint, IRRIstat, MSstat, Adobe Photoshop, MIS and Internet Explorer.
- ✚ Have good knowledge to operate the different training equipment such as multimedia, projectile, slide etc.
- ✚ Deliver lecture in different training classes as trainer

b. Participation in technology transfer systems

- ✚ Engaged several “Seed Production and Distribution Program” in which BRRRI technology were validated in the farmer’s field of different regions of Bangladesh.

c. Professional affiliations and others

| Association name | Type of member | From | To |
|---|----------------|------|---------|
| Bangladesh Rice Research Institute Scientist's Association (BRRISA) | General Member | 1994 | to date |
| The Bangladesh Society of Agricultural Engineers (BSAE) | Life Member | 1995 | to date |
| Krishibid Institution Bangladesh (KIB) | Life Member | 2005 | to date |
| Institution of Engineers Bangladesh (IEB) | General Member | 2002 | to date |

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