



Resume of **Professor Dr. Md. Mamunur Rashid**

(PhD, DSP)

Professor Dr. Md. Mamunur Rashid

Department of Plant Pathology

Faculty of Agriculture

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Present address : Professor, Dept. of Plant Pathology, HSTU, Dinajpur

City, Region/State, Postal Code: Dinajpur 5200, Bangladesh

Date of Birth : October 1, 1963, Bogura

Nationality/Nationalities : Bangladeshi

Spouse, Marital status : Shahanaz Begum, M.S. in Sociology (RU), two sons

II. Educational Qualification

1. Ph.D. in Agricultural Science, Plant Pathology, 2009

University of HSTU, Bangladesh

2. Diploma in Agricultural Science, Seed Pathology, 1997

University of KVL, Copenhagen, Denmark

3. Master of Science (M.S.) in Plant Pathology, 1988

Bangladesh Agricultural University, Mymensingh

4. Bachelor of Science in Agriculture [B.Sc.Ag.(Hon's)], 1985

Bangladesh Agricultural University, Mymensingh

Teaching

- i) Lecturer, Hajee Mohammad Danesh Agricultural College, Dinajpur, August 07, 1990 to April 14, 1996.
- ii) Assistant Professor, Hajee Mohammad Danesh Science and Technology University, Dinajpur, April 15, 1996 to May 24, 2004.
- iii) Associate Professor, Hajee Mohammad Danesh Science and Technology University, Dinajpur, May 24, 2004 to Nov. 18, 2008
- iv) Professor, Hajee Mohammad Danesh Science and Technology University, Dinajpur, Nov. 18, 2008
- v) Professor grade 1, Hajee Mohammad Danesh Science and Technology University, Dinajpur, Nov. 2017 continuing

Fellowship, Awards and Training

- DANIDA Fellowship (Seed Pathology)
- UGC, Bangladesh Fellowship
- P R China Government Fellowship (Course on safe food production and bio-technology)
- Best speaker awards by Bangladesh Chemical Society at 26th Annual Conference held on March 01, 2014.
- CYMMIT fellowship (Course on rust scoring of wheat)
- Training (several) on bloom taxonomy and statistical software's, HSTU
- Training (several) on Text & Reference book and Curriculum Development

Extra qualifications

- Key member of curriculum committee to develop course curriculum of different faculties of this university (agriculture, computer science & engineering, fisheries, agro-industry and food process engineering, business studies etc)
- Supervision and conduction of training and research works on plant diseases at NGOs level (CARE, Plan International, KARITASH, Practical Action Bangladesh (PAB), Agriplus Limited etc. in Bangladesh.
- Planning and upgrading seed health testing laboratories at Plant Pathology Department of this university
- First Deputy Controller of Examinations in HSTU, Dinajpur to develop the office, system and rules/regulations of examination
- Key joint secretary of statutes committee to prepare all kinds of statutes, rules & regulations of HSTU
- Co-coordinator, Postgraduate Training course on Seed Technology, HSTU, Dinajpur, several terms (Funded by DANIDA)
- Co-ordinator, Postgraduate Training course on Seed Technology, HSTU, Dinajpur, three terms (Funded by DANIDA)
- Consultancy at private sectors for agriculture
- Clinical service in controlling the crop diseases at farmers field
- Farmers training for healthy crop production

Special Services at college and University level

- **Member** (1992-1996): College up gradation committee-Hajee Danesh Agriculture College and Member of Student Hall Vigilance Team
- **Member** (1997-2000): University Execution Committee, Security and Stage Management Committee of Prime Minister Program
- **Senior Organizing Member** (2001-2002): University Establishment and Government Order Execution Committee
- **Member Secretary** (2001-2002): Invitation, reception & Stage Management Committee of University Opening Ceremony
- **Join Secretary** (2002-2005): First Statutes and Rules Regulations Committee of HSTU
- **Member Secretary** (2002-2004): First Academic & Regent Board Organizing Committee
- **Member Secretary (2002-2004)**: Organizing committee for up-gradation of teachers, officers and staff of Hajee Danesh Agriculture College to HSTU
- **Member Secretary** (2002-2004): First Remuneration Committee
- **Member Secretary** (2002-2004): University Monogram and Flag Committee
- **Member Secretary** (2001-2002): National Day Celebration Committee
- **Member Secretary** (2009-2010): Internship and Attachment Committee
- **Convenor** (2010-2012): Procurement & Materials Received Committee
- **President** (2010-2011): Rules Regulations Committee of Institute of Training and Research IRT, HSTU.
- **Member** (2010-2013): Governing Body of IRT, HSTU
- **Member** (2009-2011): Syngenta Trust, Faculty of Agriculture, HSTU
- **Study Tour Guide** (2000, 2005): Study Tour of Students to India (2000) & Bangladesh (2005, 2018)
- **Member of curriculum committee (2002-2006)**: Agriculture, Computer Science & Engineering, Fisheries, Agro-industry and Food Process Engineering, Business Studies etc.
- **Member of curriculum development committee (2010-2012)**: Faculty of Business Studies
- **Convenor** (2010-2012): Discipline Committee, First University Convocation Ceremony, 2009
- **Member Academic council (Four times)**

Courses taught for B Sc. Ag (Hons. 4-year course)

- Courses taught- Mycology, Plant Virology, Plant Microbiology, Seed Pathology, Principles of Plant Pathology, Diseases of Crops and their Control, Principles of Plant Disease Management

Courses taught for M S in Plant Pathology (One and half- year course)

- Courses taught- Mycology, Plant Virology, Plant Microbiology, Molecular Plant Pathology, Seed Pathology, Post Harvest Pathology, Physiology of Pathogens and Pathogenesis, Mycological and Plant Pathological Techniques, Research Methodology

Course for Ph D study: advance courses of Plant Pathology

Research interests

- Mycology, fungal taxonomy, seed pathology, healthy seed production, integrated disease management, environmental plant pathology, molecular plant pathology, plant microbiology

Research going on:

- **Development of high yielding and blast resistant fine aromatic rice**
- **Selection of special new types of rice**
- **Development of soil health by bio-active microbes**
- **Fungal transmission mechanism**
- **Brick field pollutants on rice growth**

Laboratory skills:

- Fungus identification, Bacteria test and Virus detection (Serological and Indicator Tests)

Specialization:

- Seed Pathology, Mycology, Virology, Bacteriology, Biotechnology and Rust Scoring

Research projects: Development of high yielding and blast resistant fine aromatic rice, Ministry of Planning, Government of Bangladesh (2020-2022)

Other services

- **Coordinator:** Supervision and conduction of training courses in plant diseases at NGOs level (tailor-made courses, modular courses and others).
- **Planning and upgrading the seed health testing laboratories** (Plant Pathology, HSTU)
- **Co-coordinator:** Postgraduate Training course on Seed Technology, HSTU, Dinajpur, 2006 (Funded by DANIDA)
- **Coordinator:** Postgraduate Training course on Seed Technology, HSTU, Dinajpur, many times (Funded by DANIDA)

Consultancy Services

- CARE, Bangladesh (Dinajpur, Thakurgaon, Cox's Bazar)
- Practical Action Bangladesh (Rangpur)
- Plan International (Dinajpur)
- Agri-plus Private Limited, Bangladesh
- Honorary Consultant, FS Seed Farm, BADC, Noshipur, Dinajpur

Membership in Scientific Association

- i) Bangladesh Association for advancement of sciences
- ii) Bangladesh Phytopathological Societies
- iii) Executive member of Bangladesh Phytopathological Societies (two terms)
- iv) Member of Seed Science and Technology Association
- v) Member of Bangladesh Botanical Society

Management experience

Administrative experience

Chairman: Total 11 Years (approx.), Department of Plant Pathology, HSTU, Dinajpur

- April 18, 2002-April 17, 2005
- April 18, 2005-October, 19, 2006
- July 16, 2008-July 15, 2011
- July 16, 2011-June 15, 2014

Achievements as a Chairman

- Founder of the Department
- 45 students awarded MS degree and 9 students are admitted
- 3 students award PhD degree and two are admitted
- One new lab, one old developed and two field lab
- 2 Teachers appointment
- Syllabus-curriculum approval for B.Sc. and MS by Academic Council through Board of studies
- Nine meetings of Board of studies with full members as regular interval
- Office set up

Achievements as a Deputy controller of Examinations (founder as official chief):

- Founder of the Office of Controller of Examinations with procurement
- Prepared examinations rules and regulations with ambush seal by Bangladesh Railway
- Conduct first time examinations and published results within 13-day after last examinations
- Prepared all necessary examination scripts and documents for examinations
- Paid all kinds of bills after approval of rules of remuneration for examinations

V. List of publications

1. Zakiul Hasan MAA, **Mamunur Rashid M**, Arifuzzaman M, Momotaj Begum and Dilruba Shahrin Kabir (2020). Assessment of genetic variability and generation of blast resistant fine aromatic rice hybrids within resistant and susceptible land races. *Curr Inves Agri Curr Res* 8(2):1069-1074. CIACR.
2. Begum M, **Rashid M,M**, **Arifuzzaman M**, Hasan MMS, Hasan MAAZ (2018). Genetic variability and crossing among blast resistant and susceptible fine aromatic rice (*Oryza sativa*) land races. *Res on Crops* 19(3): 450-457. (Impact factor 0.11).
3. **M. M. Rashid**, M. Shamim Hasan, M H Rahman, Abu Noman Faruq Ahmed and K M Khalequzzaman, 2015. Physiological and structural abnormalities of coconut plants (*Cocos nucifera* L.) at different growth stages of growth and plantation sites under low temperature conditions in Bangladesh. *The agriculturists* 13(2): 113-119.
4. M.K.J. Kakoly, **M.M. Rashid**, M. Shamim Hasan, Md. Nurealam Siddiqui, 2014. Study of seed-borne fungal pathogens of Kataribhog aromatic rice and comparison of field intensity with laboratory counts. *International Journal of Biosciences (IJB)*, Vol. 4, No. 1, p. 66-74.
5. M. R. Islam, M. A. Rahman, **M. M. Rashid** and M. Shahin-Uz-Zaman, 2013. Effect of moisture level and storage container on the quality of chickpea seed (*Cicer arietinum*) *Bull. Inst. Trop. Agr., Kyushu Univ.* 36: 61-69.
6. K.M. Khalequzzaman, **M.M. Rashid**, M.A. Hasan and M.M.A. Reza. 2012. Effect of Storage Containers and Storage Periods on the Seed Quality of French Bean (*Phaseolus vulgaris*). *Bangladesh J. Agril. Res.* 37(2): 195-205.
7. **Rashid M. M.**; I. Hossain, and K. M. Khalequzzaman. 2011. Effect of weather factors on inoculums density and leaf spot development in radish seed crop infected with *Alternaria brassicae*. *Bull. Inst. Trop. Agr., Kyushu Univ.* 34: 43-47.
8. A.K.R. Shiton, **M. M. Rashid**, A.T.M. Shafiqul Islam. 2011. Fungicidal management of blast (*Pyricularia grisea*) of rice. *Int.j.ecotoxicol.agric.technol.1(3)*:33-38.
9. M. M. R. Shah; K. M. Khalequzzaman; **M. M. Rashid**; M. A. Hasan and M. S. Islam. 2011. Effect of Biotic and Abiotic Factors on the Seed Quality of Wheat. *Int. J. ecotoxicol. agric. technol.* 1(2): 41-48.
10. **Rashid M. M.**; Hossain, I. 2011. "Management of Alternaria blight of radish seed crop (*Raphanus sativus* L.)". *Archives of Phytopathology and Plant Protection*, 44 (7): 694-711.
11. **Rashid M. M.**; Hossain, I. 2011. "Quality of farmers seeds of radish in Dinajpur region of Bangladesh." *J. Mycol Pl Pathol* 41 No 1: 32-42.
12. **Rashid M. M.**; Hossain, I. and Hasan. M. S. 2010. "Investigation of Symptoms due to Alternaria and Nutritional Deficiency on Radish Seed Crop (*Raphanus sativus*)." *J. Sci. Technol. (Dinajpur)* Vol. 8: 203-208.
13. M.S. Hasan, **M.M. Rashid**, S. Sarmin and M. Aktar 2009. Impact of vector management of PLRV and PVY in seed potato production. *Bangladesh J. Seed. Sci. Technol.* 13(1&2): 51-56.
14. M.S. Hasan and **M.M. Rashid** 2009. Relationship of Aphid population build up with the prevalence of PLRV and PVY on three potato varieties. *Bangladesh J. Prog. Soil & Tech.* 7(2): 249-252.
15. M.S. Hasan, Hasan M.M., **Rashid M. M.**, and Hossain M.F. 2009. Combined management of cercospora leaf spot and anthracnose in okra seed production. *J. Agrofor. Environ.* 2(1): 119-122.
16. M. M. Rahman, M.S.I. Sikdar, M.S Islam., **M.M Rashid**. and M.S Yeasmin. 2008. Influence of spacing and variety on the yield and yield attributes of Aromatic rice. *Intl. J. Pri. Res* 4(5): 36-42.
17. **Rashid M. M**, Hasan M.S. and Mondol M.A.S. 2008. Occurrence and Prevalence of *Alternaria* species in Crucifers Grown in Dinajpur District. *Bangladesh J. Agriculturist.* 1(1): 59-62.

18. M. Arifuzzaman, **M. M. Rashid**, M.S. Hasan and M.S. Ferdousi 2007. Foliar spray of fungicides to control *Alternaria* blight of Radish Seed Crop. J. Sci. Technol. (Dinajpur) Vol. 5: 140-143.
19. **Rashid M. M.**, A.T.M. Shafiqul Islam and M.S. Hasan 2007. Quality seed production practices used by the farmers of Dinajpur district. Bangladesh J. Seed Sci. & Tech. 11 (1 & 2): 27-30.
20. M.A. Khan, N. Islam, M.S. Rahman, **M.M. Rashid** and A.K.M. Uddin 2006. An overview on the use, sampling and detection methods of genetically modified seed with their advantages and disadvantages. Int. J. Sustain. Agril. tech. 1(6):05-10.
21. M.A. Khan, N. Islam, M.S. Rahman, **M.M. Rashid** and A.K.M. Uddin 2006. An overview on the role of free radicals in seed deterioration with some examples. Int. J. Sustain. Agril. tech. 1(6):11-15.
22. **Rashid M. M.**, A.T.M.S. Islam and M.M. Rahman 2006. Attitude of the farmers of Dinajpur district towards quality seed production technology. Bangladesh J. Seed Sci. & Tech. 10 (1 & 2): 25-29.
23. **Rashid M. M.**, SME Hassan and MM Hasan. 2006. A benchmark study on quality seed production by the farmers of Dinajpur district. J. Sci. Technol. 4:
24. S. M. M. Hossain, S. M. E Hassan, **M. M. Rashid** and ATMS Islam 2005. Study on host range, cultural conditions and control of *Curvularia eragrostidis*. Int. J. Sustain. Agril. tech. 1(6):86-89.
25. **Rashid M. M.**; Hossain I. 2003. Root infecting fungi of wheat in rice-wheat system in Bangladesh. J. Sci. Tech. 1:71-73.
26. Mondol M.A S; **Rashid M. M.**; M. S. I. Sikder 2002. Adoption of modern practices of wheat cultivation among the farmers of Dinajpur District. Bangladesh J. Train, And Dev. Vol. 15(1&2): 17-24.
27. **Rashid M.M.**, Islam A.T.M.S., Hossain S.M.M., Emdadul S.M. and El Taj H.F., 2001. Detection of *Curvularia* species on boro rice seeds of Dinajpur. Journal of Biological Sciences 1 (17) 591-592.
28. Khan M. A.; **Rashid M. M.**; Siddique M. A.; Amin M. R.; Rahman M. S. 2001. Prospects of sweet (*Citrus sinensis*) and mandarin (*Citrus reticulata*) orange cultivation at Panchagarh District of Bangladesh. Journal of biological sciences 4(12) 1498-1499.
29. **Rashid M. M.**; Hossain, I. and Khan M. A. 2000. Rust of *Justicia gendarussa* in Dinajpur and Bogra during 1996-2000. Bangladesh J. Environ. Sci. 6, 299-302.
30. **Rashid, M.M.** and Hossain, I. 2000. Seed Industry Approach in Bangladesh. Bangladesh J. Seed Sci. & Tech. 4 (1&2): 99-104.
31. **Rashid M. M.**; Rahman M. M.; Ali M.I. and Miah A. J. 1997, Effect of moist hot-air treatment on germination of sugarcane buds. J. Agril. Sci. 24(1) 67-71.
32. **Rashid M. M.**; Meah M. B; Miah A. J; Hossain M.S and Ahmed, 1995. Effect of sowing date and Rovral in controlling *Alternaria* Blight of mustard. Progress Agric. 6(2) 41-47
33. Miah A. J.; Rahman M. Z. Adhikary S. K. and **Rashid M. M.** 1995. Soil amendment to control bacterial wilt of tomato. Bangladesh J. Pl Path. 10 (1 & 2).

Seminar and Symposium

- i. 'Present status and future prospect of wheat cultivation in Bangladesh. Presented at the 10th annual training on stem rust note taking and wheat germplasm evaluation' Kalro, Njoro, Kenya, CIMMYT Program. October 8, 2018.
- ii) Study of desirable and common fungal classification at educational and research institution in Bangladesh. Presented at the 9th Biennial Conference, Bangladesh Phytopathological Society on February 19, 2016, BARI, Joydevpur, Gazipur.

iii) 'Bio-compounds in radish root and effect of aqueous extract on *Alternaria brassicae*' 36th Annual Conference, Bangladesh Chemical Society, 01 March 2014, Theme: Chemistry for Food Security, HSTU, Dinajpur.

iv) 'Plant pathological aspects in relation to food security in Bangladesh'- presented at the Institute of Agronomy, September, 20, 2012, Shenyang Agricultural University, Lioning, P. R. China.

v) 'Present situation of pesticides use in crop production in Bangladesh'- presented at the International workshop on safe grain production, September 28, 2012 at International Exchange Office, Shenyang Agricultural University, Lioning, P. R. China.

vi) 'Yield loss assessment of boro rice due to neck blast and sheath blight diseases'-Presented at the 8th Biennial Conference, Bangladesh Phytopathological Society on May 26, 2011, BARI, Joydevpur, Gazipur.

vii) 'Impact of crop diseases on food security in changing climatic conditions in north-west region of Bangladesh'-held on April 20, 2011 at Directorate of Food and Disaster Management under Ministry of Food and Disaster Management, Mohakhali, Dhaka-1212.

viii) 'Conservation of seed rights in beneficiary's level for organic agriculture system'-held on March 21, 2011 at KARITUS, Bangladesh.

ix) 'Effect of climatic change on agriculture and our responsibilities'- held on March 30, 2010. at ADAB, Dinajpur.

x) 'Development of academic and research activities in the HSTU Plant Pathology Department'-held on July, 2010.

xi) 'Seed health is a Challenge of Agriculture for Food Security in Bangladesh'- held on World food day, IRT, HSTU.

xii) 'Food Security and Epidemic Diseases of Boro Rice in Dinajpur'- during 2008-2009 held on June, 2009 at IRT, HSTU.

xiii) 'Safe Use of Pesticides in Winter Vegetable Production'-Presented at the workshop of DAE, Dinajpur on March, 1994.

Book

- i) A Guidebook of Plant Pathology
- ii) A dictionary of *PhytoPathology*

Popular article

- i) Seed technology in Bangladesh—Present and Future (HMD Agriculture College, Dinajpur Annual'99)
- ii) Plantation program: a multidimensional view
- iii) Epidemic diseases of crops and food security
- iv) Three generation coconut-stabbed by wintry
- v) False smut of rice: Fortune