

Curriculum Vitae of

Professor Dr. Md. Mominur Rahman

Chairman, Department of Agronomy
Hajee Mohammad Danesh Science and Technology University,
Dinajpur-5200, Bangladesh



Md. Mominur Rahman is a **Professor (Grade 2)** in the Department of Agronomy at Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur, Bangladesh. He earned a Bachelor of Science in Agriculture (Honours) in 2003 and a Master of Science in Agronomy in 2005 from Bangladesh Agricultural University (BAU), Mymensingh, both with first-class honors. In addition to his academic achievements, he completed a three-month postgraduate training course in seed technology in 2006 and a one-year postgraduate diploma in Information and Communication Technology (ICT) in 2008 from the Institute of Research and Technology, HSTU, Dinajpur.

In December 2014, Mr. Rahman received his PhD from Yeungnam University, Republic of Korea, specializing in Plant Biotechnology. His academic career began on 4 June 2005 when he joined the Department of Agronomy at HSTU as a Lecturer. He was subsequently promoted to Assistant Professor on 16 January 2008, Associate Professor on 4 June 2013, Professor (Grade 3) on 4 June 2017 and Professor (Grade 2) on 4 June 2021.

Mr. Rahman was awarded the Yeungnam University Scholarship for his PhD studies in Korea. In 2018, he was recognized as a TYSP Postdoctoral Fellow, receiving funding from the Ministry of Science and Technology, People's Republic of China, to pursue postdoctoral research at the Biotechnology Research Division, Coconut Research Institute (CRI) of the Chinese Academy of Tropical Agricultural Sciences (CATAS), Wenchang City, Hainan Province, China.

Throughout his career, Mr. Rahman has been actively engaged in research, publishing numerous fundamental research papers in peer-reviewed international and national journals. He has also participated in and presented his research findings at many national and international conferences. As a professor with significant research expertise, he supervises approximately 50 postgraduate students.

Unfortunately, Mr. Rahman experienced harassment under the recently departed dictatorial government of Sheikh Hasina. His promotion to the position of Professor was withheld for one year due to baseless political allegations.

Born on 18 December 1980, in Rajapur, P.S. Kotwali, Bogura District, Mr. Rahman is the son of Md. Mobarak Ali and Mst. Wazwda Begum. He has four sisters and two brothers.

Academic, Research, Administrative and Professional Information

Professor Dr. Md. Mominur Rahman

Chairman, Department of Agronomy
Hajee Mohammad Danesh Science and Technology University,
Dinajpur, Bangladesh
E-mail: chairman.agn@tch.hstu.ac.bd
Web: <http://hstu.ac.bd/teacher/mominur>
Mobile: +8801717676525

A. Personal Details

Full Name : Professor Dr. Md. Mominur Rahman
Date of Birth : 18/12/1980
Mother's Name : Most. Wazeda Begum
Father's Name : Md. Mobarak Ali
Permanent Address : Village:Rajapur; P.O. Jorgacha Hat-5800
Upazila: Bogra Sadar, District: Bogra

| B. Academic Qualification | | | |
|----------------------------------|---|----------------------|--|
| Qualification | University | Year obtained | Area of Specialization |
| TYSP postdoc fallow | Chinese Academy of Tropical Agricultural Sciences (CATAS) People's Republic of China | 2018 | Biotechnology |
| Ph. D in Biotechnology | Yeungnam University Republic of Korea | 2014 | Biotechnology |
| PGD in ICT | Hajee Mohammad Danesh Science and Technology University, Dinajpur | 2008 | Information and Communication Technology |
| PGT in Seed technology | Hajee Mohammad Danesh Science and Technology University, Dinajpur | 2006 | Seed technology |
| M.S. in Agronomy | Bangladesh Agricultural University | 2005 | Agronomy |
| B. Sc. in Agriculture | Bangladesh Agricultural University | 2003 | Agriculture |

| C. Teaching Experience: (19 years +) | | | | |
|---|---------------------|------------------------|-------------------|-----------------|
| University | Position | Department | Start Date | End Date |
| Hajee Mohammad Danesh Science and Technology University, Dinajpur | Professor (Grade 2) | Department of Agronomy | 04.06.2021 | To date |
| Hajee Mohammad Danesh Science and Technology University, Dinajpur | Professor (Grade 3) | Department of Agronomy | 04.06.2017 | 03.06.2021 |

| | | | | |
|---|---------------------|------------------------|------------|------------|
| Hajee Mohammad Danesh Science and Technology University, Dinajpur | Associate Professor | Department of Agronomy | 04.06.2013 | 03.06.2017 |
| Hajee Mohammad Danesh Science and Technology University, Dinajpur | Assistant Professor | Department of Agronomy | 16.01.2008 | 03.06.2013 |
| Hajee Mohammad Danesh Science and Technology University, Dinajpur | Lecturer | Department of Agronomy | 04.06.2005 | 15.01.2008 |

D. Administrative Experience:

| Organization | Position | Start Date | End Date |
|---|---|------------|----------|
| Department of Agronomy, HSTU, Dinajpur | Chairman | 15.03.2022 | To Date |
| Shaheed President Ziaur Rahman Hall, HSTU, Dinajpur | Member, Hall Security and Management Team | 14.08.2024 | To Date |
| Bangamata Sheikh Fazilatunnesa Mujib Hall, HSTU, Dinajpur | Member, Hall Security and Management Team | 14.08.2024 | To Date |

E. Research Projects Experience: (PI/API)

| SL. No. | Project Title | Year | Source of fund | Status |
|---------|--|-----------|----------------|-----------|
| 1. | Evaluation of priming methods on seed vigor and yield of soybean | 2023-2024 | IRT | Completed |
| 2. | Evaluation of priming methods on seed invigoration of mungbean | 2022-2023 | IRT | Completed |
| 3. | Review with physiological, anatomical and biochemical study of brick kiln emission injury to rice growth and reproduction in Dinajpur region of Bangladesh | 2022-2023 | MoST | Completed |
| 4. | Comparison of weed control methods on weed infestation and productivity of foxtail millet (<i>Setaria italic</i>) | 2021-2022 | IRT | Completed |
| 5. | Effect of day-night temperature on growth and yield of wheat (<i>Triticum aestivum</i> L.) | 2020-2021 | IRT | Completed |
| 6. | Crop establishment method and fertilizer requirement for boro rice after jute cultivation | 2019-2020 | IRT | Completed |
| 7. | Identification, documentation and improving of existing agroforestry systems in the selected agro-ecological region of Bangladesh | 2017-2020 | BAS | Completed |
| 8. | Phenology, growth and yield of three wheat (<i>Triticum aestivum</i> L.) varieties as affected by day-night temperature stress | 2016-2017 | IRT | Completed |

| | | | | |
|-----|---|-----------|------|-----------|
| 9. | Study on allelopathic effects of <i>Eucalyptus camaldulensis</i> on seed germination, growth and yield of mungbean | 2016-2017 | IRT | Completed |
| 10. | Agronomic and physiological characterization of various color pericarp of rice (<i>Oryza sativa</i>) | 2015-2016 | IRT | Completed |
| 11. | Screening of salt tolerant of mungbean genotypes and their management through calcium silicate application | 2013-2014 | IRT | Completed |
| 12. | Survey in danger of extinction and integrated management of blast disease of Kataribhog rice in the Dinajpur- Rangpur aromatic rice | 2015-2016 | MoST | Completed |
| 13. | Technology development of high yielding and good quality black rice through breeding | 2013-2015 | MoST | Completed |
| 14. | Study on the yield and quality performance of local aromatic rice varieties of Bangladesh | 2007-2008 | MoST | Completed |

F. Students supervision:

| | | |
|-----------------------|---|----|
| MS (Completed) | | |
| Supervisor | : | 28 |
| Co-supervisor | : | 22 |
| MS (Ongoing) | | |
| Supervisor | : | 12 |
| Co-supervisor | : | 8 |

G. Summary of the number of Publications

| SL. No. | Type | Numbers |
|-----------------------------------|-----------------------|-----------|
| 1. | International Journal | 6 |
| 2. | National Journal | 19 |
| Total Journal Publications | | 25 |
| 3. | Proceedings | 5 |
| 4. | Total | 30 |

List of Publications

Journal articles: 25(Twenty-five)

1. **M. M. Rahman**, M. S. U. Bhuiya, M. A. Islam, M. S. I. Sikder and M. S. Islam. 2006. Response of BRRI dhan31 to nitrogen level and split application of *Sesbania aculeata* as green manure. Bangladesh J. Crop Sci. 17(1): 35-40.
2. M. M. Rashid, 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. Technol. 10 (1&2): 25-29.
3. M. S. I. Sikdar, M. Ahmed, M. S. Islam, **M. M. Rahman** and M. R. A. Sarker. 2006. Effect of nitrogen level on the yield, yield-contributing characters and protein content of some varieties of aromatic rice. Bangladesh J. Crop Sci. 17(2): 437-442.

4. M. S. Rahman, M. P. Anwar, **M. M. Rahman**, M. A. Islam and M. M. Rahman. 2007. Effects of spacing and weeding regime on the performance of *Aus* rice CV. BR26. Bangladesh J. Prog. Sci. Technol. 5(1): 129-132.
5. M. S. Islam, M. S. I. Sikdar, **M. M. Rahman**, M. M. Akhter and A. K. Azad. 2008. Performance of aromatic rice varieties as influenced by spacing. J. Innov. Dev. Strategy. 2(1): 43-46.
6. M. S. Islam, M. M. Akhter, M. S. I. Sikdar, **M. M. Rahman** and A. K. Azad. 2008. Effect of planting density and methods of sowing on yield and yield attributes of Sesame. Int. J. Sustain. Agril. Technol. 4(2): 83-86.
7. M. S. I. Sikdar, **M. M. Rahman**, M. S. Islam, M. S. Yeasmin and M. M. Akhter. 2008. Effect of nitrogen level on aromatic rice varieties and soil fertility status. Int. J. Sustain. Crop Prod. 3(3): 49-54.
8. **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. Int. J. Bio Res. 4(5): 36-42.
9. **M. M. Rahman** and M. S. Yeasmin. 2008. Effects of date of transplanting on the yield, yield-contributing characters of *Boro* rice varieties under rice intensification system. Bangladesh J. Environ. Sci. 14(1): 138-141.
10. M. S. Yeasmin, **M. M. Rahman**, M. S. Rahman, T. Ahmed and A. K. M. M. B. Chowdhury. 2008. Effect of date of transplanting on the growth parameters of *Boro* rice varieties under the system of rice intensification. Bangladesh J. Environ. Sci. 14(1): 71-75.
11. M. R. Islam, M. Z. Islam, M. T. Islam, **M. M. Rahman** and A.K.M.M.B. Chowdhury. 2008. Effects of salinity on growth parameters and yield attributes in lentil genotypes. J. Environ. Sci. Natural Resources. 1(2): 79-86.
12. M. F. Hossain, M.S. Islam, **M. M. Rahman**, M.O. Faruk and M.G. Ershad. 2008. Yield and quality performance of some aromatic rice varieties of Bangladesh. J. Agrofor. Environ. 2 (2): 155-158.
13. A Khatun, M. M. Hasan, **M. M. Rahman**, M. S. Hasan and N. Khandakar. 2009. *In Vitro* regeneration in two potato (*Solanum tuberosum* L.) varieties Cardinal and Heera. Bangladesh J. Prog. Sci. Technol. 7(1): 21-24.
14. M. S. Naher, M. S. Ali, M. E. Uddin and **M. M. Rahman**. 2009. Impact of BRAC Social Forestry Program as perceived by the women beneficiaries. J. Agrofor. Environ. 3(1): 127-131.
15. M. N. Matin, S. A. Saief, **M. M. Rahman**, D.H. Lee, H. kang, D. S. Lee and S.G. kang. 2010. Comparative phenotypic and physiological characteristics of spotted leaf 6 (*spl6*) mutant and brown leaf spot2 (*bl2*) lesion mimic mutant (LLM) in rice. Mol. cells. 30(6): 533-543.
16. **M. M. Rahman**, K. E. Lee, E. S. Lee, M. N. Matin, D. S. Lee, J. S. Yun, J. B. kim and S.G. kang. 2013. The genetic constitutions of complementary genes *Pp* and *Pb* determine the purple color variation in pericarps with cyanidin-3-0-glucoside depositions in black rice. J. Plant Biol. 56(1): 24-31.
17. **M. M. Rahman**, M. S. Naher, M. S. I. Sikdar, M. G. Azam and M. A. Hasan. 2015. Genetic characterization of red pericarp trait in rice. J. Sci. Technol. 13: 118-121.
18. **M. M. Rahman**, K. E. Lee and S.G. kang. 2015. Studies on the effects of pericarp pigmentation on grain development and yield of black rice. Indian J. Genet. 75(4): 426-433.
19. **M. M. Rahman**, M. A. Habib, M. S. I. Sikdar, M. Shamsuzzoha and M. S. Islam. 2016. Evaluation of mungbean genotypes for salt tolerance at seedling stage and alleviation of saline stress by gypsum. Fundam. Appl. Agric. 1(1): 39-43.

20. **M. M. Rahman**, K. E. Lee and S.G. kang. 2016. Allelic gene interaction and anthocyanin biosynthesis of purple pericarp trait for yield improvement in black rice. J. life Sci. 26(6): 727-736.
21. **M. M. Rahman**, F Zahan, SI Sikdar¹, AEI Sabagh, D Ratnasekera, C Barutcular and MS Islam. 2017. Evaluation of salt tolerance mungbean genotypes and mitigation of salt stress through potassium nitrate fertilization. Fresenius Environmental Bulletin. 26 (12): 7218-7226.
22. K. E. Lee, **M. M. Rahman**, J. B. kim and S.G. kang. 2018. Genetic Analysis of Complementary Gene Interactions of Pb and Pp Genes for the Purple Pericarp Trait in Rice. J. life Sci. 28(4): 398-407.
23. T. Sanjida, M. J. Alam, **M. M. Rahman**, M. S. Islam and M. S. I. Sikdar. 2019. Response of mungbean growth and yield to GA3 rate and time of application. Asian Journal of Crop, Soil Science and Plant nutrition. 1(2):28-36.
24. M. O. Shaddam, M. M. Aktar, A. K. R. Shiton, M. S. Islam and **M. M. Rahman**. 2020. Allelopathic effects of *Eucalyptus camaldulensis* on germination and seedling growth of mungbean. Journal of Bioscience and Agriculture Research/ 23(1):1894-1900.
25. M. S. Hossain, M. S. H. Selim, M. M. Aktar, A. K. R. Shiton and **M. M. Rahman**. 2020. Allelopathic effects of *Eucalyptus camaldulensis* on growth, yield and yield contributing character of mungbean. Asian Journal of Crop, Soil Science and Plant Nutrition. 2(1):37-43.

International and National Seminars & Conferences attended

Abstracts or papers published in the proceedings: 5 (Five)

1. **M. M. Rahman**, M. N. Matin, S. A. Saief and S. G. Kang. 2010. Proteome Analysis and Morphological Characteristics of Purple Pericarp Rice. Conference of the Korean Crop Society, Food production and human-friendly agriculture. Daejon, Korea on Spring 2010.
2. A. Saief, M. N. Matin, **M. M. Rahman** and S. G. Kang. 2010. Comparative Characteristics of Two Lesion Mimic Mutants, Brown Leaf Spot 2 (bl2) and Spotted Leaf 6 (spl6) in Rice. Conference of the Korean Crop Society, Food production and human-friendly agriculture. Daejon, Korea on Spring 2010.
3. **M. M. Rahman**, M. N. Matin, K. E. Lee and S. G. Kang. 2010. Proteomic analysis and inheritance pattern of purple pericarp rice. Conference of the Korean Crop Society. Busan, Korea on Summer 2010.
4. K. E. Lee, A. Saief, M. N. Matin, **M. M. Rahman** and S. G. Kang. 2010. Comparative phenotypic and physiological characteristics of spotted leaf 6 (spl6) and brown leaf spot2 (bl2) lesion mimic mutants in rice. Conference of the Korean Crop Society. Busan, Korea on Summer 2010.
5. **M. M. Rahman** and S. G. Kang. 2011. Genetic Analysis and Morphological Characteristics of Purple Pericarp Rice. Conference of the Korean Society of Plant Biotechnology. Daejon, Korea on Spring 2011.

Dissertations

| Sl No. | Name of the Degree | Year of submit | Title of the Dissertation | Department | Name of the University |
|--------|--------------------|----------------|---------------------------|------------|------------------------|
| | | | | | |

| | | | | | |
|----|------------------------------|-----------------|---|------------------------------------|--|
| 1. | Master of Science (M.S.) | June, 2005 | Effect of nitrogen level and split application of <i>Sesbania aculeata</i> green manure on the performance of transplant <i>aman</i> rice cv. BRRI dhan31 | Department of Agronomy | Bangladesh Agricultural University, Mymensingh. |
| 2 | PGT on Seed Technology | September, 2006 | Effect of biotic and abiotic factors on the quality of Brinjal (<i>Solanum melongena</i>) seed kept in different container | Institute of Research and Training | Hajee Mohammad Danesh Sci. and Technol. University, Dinajpur |
| 2. | Doctor of Philosophy (Ph.D.) | December, 2014 | Genetic characterization of the <i>PURPLE PERICARP</i> traits and yield performance of black rice (<i>Oryza sativa</i> L) | School of Biotechnology | Yeungnam University, South Korea |

H. Training and other experiences

| SL. No. | Subject | Organization | Duration |
|---------|--|--|----------|
| 1. | Communicative English | BAU, Mymensingh | 1 Month |
| 2. | Improvement of Research Capability of the Teachers and Postgraduate Students of HSTU through Training on Research Methodology and Statistical Analysis | HEQEPCP3319, UGC and Statistics department, HSTU, Bangladesh | 10 Days |

I. Professional Membership and Leadership

| Membership |
|--|
| <ol style="list-style-type: none"> 1. Bangladesh Society of Agronomy 2. Weed Science Society of Bangladesh 3. Seed Science Society of Bangladesh 4. Sada dol, HSTU, Dinajpur |



(Md. Mominur Rahman)