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Personal Details

Father's name : Md. Abdul Kader Sikder
Mother's name : Hafeza Begum
Date of Birth : 13 June 1967
Place of Birth : Narayangonj, Bangladesh
Nationality : Bangladeshi (by birth)
Religion : Islam
Marital Status : Married

Permanent Address

DR. MAHFUZA BEGUM

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Academic Attainments

26 May 2008 - 2 December 2009	Fellow Researcher Institute of Tropical Agriculture, Universiti Putra Malaysia Malaysia
2006	Ph D (Weed Science) Universiti Putra Malaysia Malaysia
1989	M. Sc. Ag. in Agronomy Bangladesh Agricultural University, Mymensingh, Bangladesh First Class 1st
1988	B. Sc. Ag. (Hons.) Bangladesh Agricultural University, Mymensingh, Bangladesh First Class 4th
1984	Higher Secondary Certificate Begum Badrunnesa Women College, Dhaka, Bangladesh First Division
1982	Secondary School Certificate Morgan Girls High School, Narayangonj, Bangladesh First Division with star marks

Employment Record

Duration	Position and University
25 September 2009 - to date	Professor Department of Agronomy Bangladesh Agricultural University, Mymensingh
25 September 2005 - 24 September 2009	Associate Professor Department of Agronomy Bangladesh Agricultural University, Mymensingh
13 June 1998 - 24 September 2005.	Assistant Professor Department of Agronomy Bangladesh Agricultural University, Mymensingh
5 June 1995 -12 June 1998	Lecture Department of Agronomy Bangladesh Agricultural University, Mymensingh
1 June 1994 - June 1995	Scientific Officer Agronomy Division Bangladesh Institute of Nuclear Agriculture, Mymensingh
1 January 1992 - 31 May 1994	Graduate Research Assistant Bangladesh Agricultural University Research System (BAURES), Mymensingh

Research Activities

- (i). Research experience as a “Graduate Research Assistant” under the project entitled “Development of Technology for Integrated Weed Management in Bangladesh” (91/10/AU-CG) from 1.1.1992 to 31.5.1994 funded by PL480 which was coordinated by Prof. Dr. Abdullah Al-Mamun, Department of Agronomy, BAU, Mymensingh.
- (ii). A research work was conducted for M.Sc. Ag in Agronomy on “Weed vegetation in *boro* rice under two Agrological Zones of Bangladesh”.
- (iii). A Ph D Research project was on “Biology and management of *Fimbristylis miliacea* (L) Vahl” from 2002-2006.
- (iv). Project Leader for the project entitled “Screening rice varieties and weed management under saline environment” funded by Research Management Center (RMC), Universiti Putra Malaysia, (UPM), Malaysia for two years (2008-2009).
- (v). Principal Investigator for the Project entitled “Development of technology for reducing weed seed bank by adopting appropriate cropping sequence” funded by Bangladesh Agricultural University Research System (BAURES) for two years started from 1/7/2011 to 30.6.2013.
- (vi). Principal Investigator on “Weed Component” of a co-ordinated research project entitled “Overcoming agronomic and mechanization constraints to development and adoption of conservation agriculture in diversified rice-based cropping in Bangladesh” funded by Australian Centre for International Agricultural Research (ACIAR) for 4 years started from January 2012 to February 2017.

(vii). Team member of Inter-disciplinary research project entitled “Integrated management of crop-fish-water resources to enhance agricultural production systems towards food security in Bangladesh” funded by The Netherlands initiative for Capacity Development in Higher Education (NICHE) for 4 years started from 2013 to 2017 (Project no. NICHE/BGD/156).

(viii). Principal Investigator for the project entitled “Integration of strip tillage with agronomic management practices for improvement system performance of rice-wheat-mungbean and rice-mustard-rice cropping patterns” funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh for one year started from 1.7.2014 to 30.6.2015.

(ix) Principal Investigator for the project entitled “Floristic composition of weeds in farmers’ fields under two cropping patterns” funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh for one year started from 1.7.2015 to 30.6.2016.

(x) Principal Investigator for the project entitled “Weed dynamics as influenced by tillage system and weeding regime in rice-rice cropping pattern” funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh for one year started from 1.7.2017 to 30.6.2018.

(xi) Principal Investigator for the project entitled “Weed diversity in field crops of Bangladesh Agricultural University” funded by Bangladesh Agricultural University Research System (BAURES) for two years started from 1/7/2017 to 30.6.2019.

(xii) Principal Investigator for the project entitled “Integrated weed management practices for sustainable wheat production” funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh for one year started from 1.7.2019 to 30.6.2020.

(xiii) Principal Investigator for the project entitled “Interactive effect of mulches with irrigation and herbicides on weed control and performance of wheat” funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh for one year started from 1.7.2020 to 30.6.2021.

Training Attended (17)

- Certificate of training on “Organizational Development for Interdisciplinary Education and Research”, held in Wageningen, The Netherlands, 16-27 October 2017.
- Certificate of training on “Food and Nutrition Security” jointly organized by Interdisciplinary Centre for Food Security (ICF), Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh and Wageningen University & Research (WUR)- Center for Development Innovation (CDI), The Netherlands during 17-21 April 2016.
- Certificate of training on “Gender, Agriculture and Rural Development” jointly organized by Interdisciplinary Centre for Food Security (ICF), Bangladesh Agricultural University (BAU), Mymensingh and Center for Development Innovation (CDI), Wageningen University Research, The Netherlands during 02-04 February 2016.
- Certificate of participation in Research Methodology Workshop on “Understanding Gender Relations and Poverty Dynamics in South Asia: A Political Ecological Framework” organized by the project Poverty squares and gender circles: unraveling agriculture gaps, challenges and opportunities in the Eastern

Gangetic Plains (Bangladesh, India, Nepal), at Interdisciplinary Centre for Food Security (ICF), Bangladesh Agricultural University, Mymensingh, Bangladesh during 11 to 13 July 2015.

- Certificate course on “Gender and development Training (GDT) offered by Global Human Rights Leadership Training Institute (GHRLTI), Human Rights Development International Naigeria, Surulere , Lagos, March 2014.
- Attendance and participation in “Workshop on Enabling and facilitating meaningful learning” organized by Chair Group Education and Competence Studies, Wageningen University, the Netherlands, held at BRAC/CDM Bangladesh during 13-15 October, 2014.
- Successfully completed the international course on “Competences for Integrated Agricultural Research (C-IAR) for Integrated Management of crop-fish-water resources to Enhance Agricultural Production Systems towards Sustainable Food Security in Bangladesh (NICHE/BGD/156)” organized by the Centre for Development Innovation (CDI), Wageningen UR, held at Hotel Bosgoed, Lunteren, The Netherlands, 04-08 May 2014.
- Successfully completed the course on “Curriculum Development and Teaching Methodology” held at Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Bangladesh, during 5-7 March, 2013.
- Attendance and participation in “Agricultural Research Management Workshop” organized by the Faculty of Agriculture and Environment, The University of Sydney, at Canberra, Australia, held on March 7 - 9, 2012
- Successfully completed the “New Leaders Development Program” held at Mt Eliza Executive Education Centre under the University of Melbourne, Australia during 20-24 February, 2012
- Successfully completed “John Dillon Memorial Fellowship Communicating Science Workshop” held at Australian Centre for International Agricultural Research (ACIAR) from 15-17 February, 2012.
- Attendance in “Workshop on Scientific Writing and Publication” held at University Putra Malaysia (UPM), Malaysia, on August 14, 2003.
- Attendance and participation in “Workshop on Scientific Writing and Presentation Skills” held at University Putra Malaysia (UPM), Malaysia, on April 22, 2003.
- Attended training course on “GIS Software and Applications” held at Bangladesh Agricultural Research Council (BARC), Dhaka, Bangladesh, from 16 August to 14 October 1998.
- Attended training course on “Teaching Methodology” held at Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Bangladesh, from May 11 to 30, 1996.
- Attended training course on “Technical Report Writing” held at Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Bangladesh, from April 13 to 20, 1996.
- Attended workshop-cum training on “Use of Thana Land and Soil Resources Utilization Guide” held at Graduate Training Institute, Bangladesh Agricultural University, Mymensingh, Bangladesh, from January 23 to 26, 1995.

Award and Other Academic Attainments

- **“Global Research Impact Recognition Award 2023”** for outstanding global research impact (*h-index* 19.5) offered by Bangladesh Agricultural University Research System (BAURES).
- **“John Dillon Memorial Fellowship Award”** offered by Australian Centre for International Agricultural (ACIAR) for developing leadership skills in the area of agricultural research management, research extension and/or policy making started from 14 February to 31 March, 2012.
- **“Weed Science Award 2012”** for the contribution in Weed Research, Management and Education offered by Weed Science Society of Bangladesh (WSSB) on 3rd May 2013, in Dhaka, Bangladesh.
- **International Award as an “OWSD (Organization for Women in Science for the Developing World) Award”** for Young Women Scientists in Biology for the Asia and Pacific region for 2011 sponsored by the Elsevier Foundation and TWAS. The award was presented at a special ceremony during the International Symposium on Women in Science and Engineering (WISE 2011) on 29-30 September 2011 in Putra World Trade Centre, Kuala Lumpur, Malaysia.
- **“Bronze Medal”** for the invention/innovation of “The effects of sowing depth and flooding on the emergence and growth of *Fimbristylis miliacea* (L.) Vahl at Pameran reka cipta, Penyelidikan dan Inovasi (PRPI’ 09), UPM, 28 July 2009.
- **Post-doctoral research as a “Fellow Researcher”** under Research University Grant Scheme (RUGS) in the Institute of Tropical Agriculture, Universiti Putra Malaysia (From 26 May 2008 to 2 December 2009).
- **“Best Poster Award”** entitled “The effects of flooding on the survival and growth of *Fimbristylis miliacea* (L.) Vahl, awarded by “Agriculture Congress 2004” held at Kuala Lumpur, Malaysia, from 4 to 7 October, 2004.
- **Post graduate Fellowship** offered by Third World Organization for Women in Science (TWOWS), Triseti, Italy (From 2002-2006).
- **Award** Received from the International Conference of OWSD by celebrating 25th Anniversary of OWSD in Bangladesh entitled “Challenging Research by Women in STEM at BAEC Auditorium, Dhaka, 10 November 2018
- **“Sparkle Award”** offered by Women Cycling Club of Bangladesh Agricultural University at BAU in 2021.

Professional Membership

- Life Member of OWSD and Executive member of OWSD-BD (2018-2020)
- Executive member of the Bangladesh Weed Science Society for 2011-2013 & 2013-2015
- Executive Member of Bangladesh Society of Agronomy (2016-2017)
- Life Member of Weed Science Society of Bangladesh
- Life member of Bangladesh Society of Agronomy
- Life member of Bangladesh Society of Crop Science
- Life member of Bangladesh Society of Progressive Agriculturist
- Life member of Agricultural Society of Malaysia
- Life member of Bangladesh Society of Seed Science and Technology

Professional administrative assignments

- **Director (August 28, 2023 to Date):** Bangladesh Agricultural University Research System (BAURES), BAU, Mymensingh-2202.
- **Chief Editor (2023 - 2025):** The Journal of Bangladesh Agricultural University (BAURES) and Proceedings of Bangladesh Agricultural University Research System (BAURES), BAU, Mymensingh-2202.
- **Provost (23 August 2019 to 31 January 2022):** Sultana Razia Hall Bangladesh Agricultural University, Mymensingh- 2202.
- **Head of the Department (2015 - 2017):** Department of Agronomy, Bangladesh Agricultural University, Mymensingh -2202.
- **Associate Director (2010 – 2012):** Bangladesh Agricultural University Research System (BAURES), BAU, Mymensingh-2202.
- **Director (June 22-26, 2012):** Bangladesh Agricultural University Research System (BAURES), BAU, Mymensingh-2202.
- **Program Coordinator (2015 - 2017):** Program Coordinator of MS in Food Security Interdisciplinary Centre for Food Security, Bangladesh Agricultural University, Mymensingh- 2202.
- **Member of the Editorial Board (July 2017 to date):** Member of the Editorial Board for the Journal of “Bangladesh Agronomy Journal” published by the Bangladesh Society of Agronomy, Bangladesh.
- **Member of the Editorial Board (2012 - 2014):** Member of the Editorial Board for the Journal of “Progressive Agriculture” published by the society of Progressive Agriculturist, Bangladesh Agricuyltural University, Mymensingh-2202
- **Executive Editor (2010 - 2012):** The Journal of Bangladesh Agricultural University (BAURES) and Proceedings of Bangladesh Agricultural University Research System (BAURES), BAU, Mymensingh-2202.
- **Member of School Managing Committee (2012 – 2017):** Agricultural University High School (**K. B. High School**), Bangladesh Agricultural University, Mymensingh-2202.
- **Officer in Charge (2012 – 2014):** Agronomy field Laboratory, Bangladesh Agricultural University, Mymensingh -2202.
- **Member of Academic Council (2005 – to date):** Have been working as a member of academic council of BAU (the highest body for making decision on all academic and disciplinary matters).
- **House Tutor (1998-2001):** Worked as **House Tutor** for the period from 16 August 1998 to 15 January 2001 (2 yrs. and 6 months) in a students’ residence hall “Sultana Razia Hall” at Bangladesh Agricultural University.

Supervision and co-supervision of MS and Ph D Students

Supervisor of MS Students: 50

Co-supervisor of MS Students: 45

Supervisor of Ph D Students: 2

Co-supervisor of Ph D Students: 4

Published Books:

- Md. Abdus Salam and **Mahfuza Begum**. 2017. Weed Science. Publishers – University Grants Commission of Bangladesh. UGC Bhaban, Plot: E-18/A, Agargaon, Dhaka, Bangladesh, pp 223.
- Haque ME, Bell RW, Jahiruddin M, Hossain MM, Rahman MM, **Begum M**, Hossen MA, Salahin N, Zahan T, Hossain MM, Hashem A, Islam MA, Vance WH, Hossain MI, Esdaile RJ, and Kabir ME (2018). Manual for Smallholders' Conservation Agriculture in Rice-based Systems. Murdoch University. p 108.

Book chapter:

- Mahfuza Begum. 2019. *Fimbristylis quinquangularis* (Vahl) Kunth. (Syn. *Fimbristylis miliaceae* (L.) Vahl). **Invasive Weeds of Malaysia** and Their Sustainable Management. Editors: S.M. Rezaul Karim, Abdul Shukor Juraimi, A.N. Rao, Dilipkumar Masilamany, Laila Nahar, Muhammad Shakirin Mispan and Norhafizah Md Zain. Published by Universiti Putra Malaysia Press. pp. 1-224.

h-index: 22

List of publications: 115

1. Raihan Ul Islam, Uttam Kumer Sarker, Sirajam Monira, Md. Imran Ali, Ahmed Khairul Hasan, Md. Salahuddin Kaysar, Md. Parvez Anwar, Begum, M., Rashid, H., Rashid, M., Elsayed Fathi Abd_Allah, Graciela Dolores Ávila-Quezada, Elsayed Fathi Abd_Allah, & Uddin, R. (2023). Determination of Critical Period for Sustainable Weed Management and Yield of Jute (*Corchorus olitorius* L.) under Sub-Tropical Condition. *Sustainability*, 15(12), 9282–9282. <https://doi.org/10.3390/su15129282>
2. Mahmud A, M. Begum, M. M. Hossain S. Munira, A. Sultana (2023), Field Assessment of Strip-Tillage for Summer Rice Cultivation in Bangladesh, *Sumerianz Journal of Agriculture and Veterinary*, DOI: 10.47752/sjav.61.6.11 *ResearchGate*. <https://doi.org/10.47752/sjav.61.6.11>
3. Sirajam Monira, Md. Imran Ali, Uttam Kumer Sarker, **Mahfuza Begum** and Md. Romij Uddin. 2022. Floristic divergence of weeds in rice fields under subtropical condition. *Archives of Agriculture and Environmental Science*, 7(3): 450-462 (2022) <https://doi.org/10.26832/24566632.2022.0703020>
4. Monira S, Ali MI, Sarker UK, Islam MS, Zaman F, **Begum M** and Uddin MR. 2022. Efficacy and Economics of Different Weed Control Practices in *boro* Rice under High Ganges River Floodplain of Bangladesh. *Journal of Agriculture, Food and Environment*, 3(3):32-39.
5. **Begum, M.**, Salam, M. A, and Zaman, F. 2021. Allelopathic effect of siam weed debris on seed germination and seedling growth of three test crops species. *Acta Scientifica Malaysia*, 5(1): 01-04. [DOI: http://doi.org/10.26480/asm.01.2021.01.04](http://doi.org/10.26480/asm.01.2021.01.04)
6. **Begum, M.**, Hasan R. and Hossain M. M. 2021. Optimizing the seed rate for maximized yield and benefits of wheat under strip tillage in Bangladesh. *SAARC Journal of Agriculture*, 19(1), 45-56. DOI: <https://doi.org/10.3329/sja.v19il.5477>

7. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M. M., Haque, M. E., and Bell, R. W. 2021. Continuous Practice of Conservation Agriculture for 3–5 Years in Intensive Rice-Based Cropping Patterns Reduces Soil Weed Seedbank. *Agriculture*, 11 (9), 895. <https://doi.org/10.3390/agriculture11090895>
8. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M. M., Sabagh, A. E., and Bell, R. W. 2021. Strip tillage and crop residue retention decrease the size but increase the diversity of the weed seed bank under intensive rice-based crop rotations in Bangladesh. *Agronomy*, 11(6), 1164. <https://doi.org/10.3390/agronomy11061164>
9. Hossain, M. M., **Begum, M.** and Rahman, M. M. 2021. Studies the residual effect of six herbicides applied to the minimum tillage non-puddled transplanted winter and summer rice in Bangladesh. *Journal of Agricultural Research Pesticides and Biofertilizers*, 2(2), 1-6. <http://doi.org/07.2021/1.1033>
10. Hossain, M. M., **Begum, M.**, Rahman, M., Hashem, A., Bell, R. W., and Haque, M. E. 2021. Effects of the components of conservation agriculture on the profitability of rice (*Oryza sativa* L.) in the Eastern Gangetic Plain of Bangladesh. *International Journal of Agricultural and Life Sciences*, 7(1), 333–337. <https://doi.org/10.22573/spg.ijals.021.s122000103>
11. Hossain, M. M., **Begum, M.**, Rahman, M. M., Hashem, A., Bell, R., and Haque, M. E. 2021. Influence of non-puddled transplanting and residues of previous mustard on rice (*Oryza sativa* L.). *International Journal of Agricultural Sciences and Technology*, 1(1), 8–14. <https://doi.org/10.51483/IJAGST.1.1.2021.8-14>
12. Hossain, M. M., **Begum, M.**, Rahman, M., Hashem, A., and Bell, R. 2021. Resource conservation technology for sustainable productivity of intensive rice-based cropping pattern in Bangladesh. *International Journal of Agricultural Science and Food Technology*, 7(1), 053–060. <https://doi.org/10.17352/2455-815X.000088>
13. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M., and Bell, R. (2021). Minimum tillage non-puddled transplanted rice (*Oryza sativa* L.): Weed control and economics under conservation agriculture practice in Bangladesh. *Acta Scientifica Malaysia*, 5(2), 47–55. <https://doi.org/10.26480/asm.02.2021.41.48>
14. Hossain, M. M., **Begum, M.**, and Rahman, M. 2021. The behavior of weed seed bank to different tillage and residue mulch treatments after three years of cropping in Bangladesh. *Agarian Journal of Agriculture*, 8(1), 29–37. <https://doi.org/10.29252/azarinj.050>
15. Hossain, M. M., **Begum, M.** and Rahman, M. M. (2021). Single-pass tillage combined with herbicides and rice stubbles enhances weed control and yield of rapeseed in Bangladesh. *DYSONA – Applied Science*, 2, 36-46. <http://dx.doi.org/10.30493/das.2021.288244>
16. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M. M., and Bell, R. W. 2021. Soil weed seedbank response to tillage types and crop residue mulches in different cropping patterns. *Journal of Research in Weed Science*, 4(2), 165–176. <https://doi.org/10.26655/JRWEEDSCI.2021.2.3>
17. Hossain, M. M., **Begum, M.**, and Rahman, M. 2021. Strip planted mechanical seeding of mustard and mungbean with crop residue retention is more profitable than conventional practice. *Journal of Agriculture and Applied Biology*, 2(1), 27–34. <https://doi.org/10.11594/jaab.02.01.04>
18. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M., and Bell, R. W. 2021. Mulching and weed management effects on the performance of rice (*Oryza sativa* L.) transplanted in non-puddled soil. *Journal of Wastes and Biomass Management*, 3(1), 13–21. <https://doi.org/10.26480/jwbm.01.2021.13.21>

19. Hossain, M. M., **Begum, M.**, Hashem, A., Rahman, M., and Bell, R. W. 2021. Weed populations of intensive rice based cropping system as affected by tillage and increased crop residues in Bangladesh. *The Journal of Agriculture and Natural Resources Sciences*, 8(1), 1–12. <https://doi.org/10.5281/zenodo.4892291>
20. Hossain, M. M., **Begum, M.**, and Rahman, M. 2021. Distribution pattern of weed seedbank in strip and bed planted sandy clay loam soil after five years of cropping in Bangladesh. *Journal of Current Opinion in Crop Science*, 2(1), 20–26. <https://doi.org/10.5281/zenodo.5003918>
21. Hossain, M. M., **Begum, M.**, Rahman, M., Hashem, A., and Bell, R. W. 2021. Impact of unpuddled transplanting and crop residue mulching on the yield of rice (*Oryza sativa* L.). *International Journal of Agronomy and Agricultural Research*, 18(3), 11–19. <https://doi.org/10.5281/zenodo.4801584>
22. Bhuiyan, M.M.R., Monshi, F. I., **Begum, M.**, Tabassum, R., Hoque, M., Islam S. S., and Hasan, A.K. 2021. Maize-Chickpea intercropping under diverse tillage systems enhance the productivity and economic returns. *World Journal of Agricultural Sciences* 17 (6), 509-520. DOI: [10.5829/idosi.wjas](https://doi.org/10.5829/idosi.wjas)
23. Hossain MM, **Begum M**, Hashem A, Rahman MM, Bell RW. 2020. Weed control in strip planted wheat under conservation agriculture practice is more effective than conventional tillage. *Scientific Journal of Crop Science*, 9(6): 438-450. doi: 10.14196/sjcs.v9i6.1593
24. Zahan T, Rahman MM, **Begum M**, Muktadir MA, Ferdous MZ, Haque ME and Bell RW. 2020. Weed control strategies for wheat (*Triticum aestivum* L.) in a cereal-legume cropping system on the Old Bramaputra Floodplain, Bangladesh. *Weeds – Journal of Asian-Pacific Weed Science Society*, 2 (1): 35-50.
25. Tasnia UW., **Begum M.**, Kader MA., Rasul S., Hasan M. and Monira S. 2020. Effect of herbicides on weed control and performance of wheat. *Journal BiNET*, 3(2): 102-113.
26. Zahan, T., Rahman, MM., **Begum, M.** and Bell, RW. 2020. Response of strip-planted wheat varieties to pendimethalin. *Fundamental and Applied Agriculture*, 5(1): 59–69.
27. Akhter A., Anwar MP., **Begum M.**, Yesmin S., Rabeya MI., Islam R. and Islam AKMM. 2020. Bio-economics of different dry direct seeded winter rice based intercropping systems under varying fertilizer management. *Bangladesh Agronomy Journal*, 22(2):103-112.
28. Monira S., **Begum M.** and Uddin MR. 2020. Impact of weed control practices on weed suppression and crop performance in boro rice. *Fundamental and Applied Agriculture*, 5(3): 372–382.
29. Hossain M., **Begum M.**, and Bell R. 2020. Herbicides and rice straw mulching boosts the weed control and profit of strip planted rapeseed in Old Brahmaputra Floodplain. *International Journal of Advanced Technology & Science Research*, 01(02): 184–201.
30. Hossain M., **Begum M.**, Hashem A., Rahman M., and Bell, R.2020. Weed control in strip planted wheat under conservation agriculture practice is more effective than conventional tillage. *Scientific Journal of Crop Science*, 9(6): 438–450.
31. Hossain MM., **Begum M.**, Hashem A., and Bell, R. W. 2020. Interactive effects of strip planting, herbicides and wheat straw mulch on weed control and yield of mungbean in northern Bangladesh. *International Journal of Scientific Research in Multidisciplinary Studies*, 6(12): 1–9.
32. Hossain MM., **Begum M.**, and Rahman, M. 2020. Yield potentials and economics of rice (*Oryza sativa* L.) as affected by unpuddled transplanting and crop residue retention. *Journal of Agricultural Research*

Advances, 02(3): 30–36.

33. Zahan T, Rahman MM, **Begum M** and Ahmed MM. 2019. Response of wheat and lentil to herbicides applied in proceeding non-puddled transplanted rainy season rice. *Journal of Bangladesh Agriculture*, 9 (1):39-50.
34. Joarder, N.M., Salam, M.A., **Begum, M.** and Rahman A. 2019. Effect of methods of water management and weeding on the performance of Boro rice cv. BRRI dhan29. *BOU J. Agric. Rural Develop*, 11(1): 21-29.
35. Nur-e-Jannat, **Begum M**, Salam MA, Monira S. 2019. Weed seed distribution at different depths of soil in a crop field. *Fundamental and Applied Agriculture*, Vol. 4(2): 815–822.
36. Fahmida A, **Begum M**, and Salam. MA. 2019. Floristic diversity of the soil weed seedbank in boro rice fields: in situ and ex situ evaluation. *Journal of Bangladesh Agricultural University*, 16(3): 396–402.
37. Paul SK, Nahar LS, Newton CP and **Begum M**. 2019. Influence of weeding regime on the performance of aromatic Boro rice (*Oryza sativa* L.). *Archives of Agriculture and Environmental Science*, 4(2): 133-140.
38. Afroz R, Salam MA, **Begum M**. 2019. Effect of weeding regime on the performance of *boro* rice cultivars. *Journal of Bangladesh Agricultural University*, 17(3): 265–273.
39. Bell RW, Haque ME, Jahiruddin M, Rahman, MM, **Begum M**, Monayem MAM, Islam MA, Hossen, MA. Salahin N, Zahan T, Hossain MM, Alam MK. and Mahmud MNH. 2018. Conservation Agriculture for Rice-Based Intensive Cropping by Smallholders in the Eastern Gangetic Plain. *Agriculture*, 9(5):1-17.
40. Naher Q, Karim SMR and **Begum M**. 2018. Performance of legumes on weed suppression with hybrid maize intercropping. *Bangladesh Agronomy Journal*, 21(2): 33-44.
41. Uddin A, **Begum M**, Uddin R, Akter F, Razibul Islam KM. 2018. Floristic composition of weeds in T. aman-potato-boro rice cropping pattern in Bangladesh. *Journal of Research in Weed Science*, 1: 48-62.
42. Zahan T, Hashem A, Rahman MM, Bell RW, **Begum M**. 2018. Efficacy of herbicides in non-puddle transplanted rice under conservation agriculture systems and their effect on establishment of the succeeding crops. *Acta Scientifica Malaysia*, 2(1) : 17-25.
43. Utpal, M., **Begum, M.**, Salam, MA. and Sarker, SK. 2018. Influence of sowing date on the growth and yield performance of wheat (*Triticum aestivum* L.) varieties. *Archives of Agriculture and Environmental Science*, 3(1): 89-94.
44. Fahmida A, **Begum M**, and Salam MA. 2018. *In situ* and *ex situ* floristic diversity of weed seedbank in rice at farmers' fields. *Journal of Research in Weed Science*, 1(2): 75-89.
45. Akter L, Fakir OA, Alam MK, Islam UI, Chakra-borti P, Alam MJ, Rashid, MH, **Begum M** and Kader MA. 2018. Amelioration of Salinity Stress in Maize Seed Germination and Seedling Growth Attributes through Seed Priming. *Open Journal of Soil Science*, 8: 137-146.
46. Zahan T, Rahman MM, Hashem A and **Begum M**. 2017. Response of transplanted *aman* rice varieties to herbicides in strip-tilled non-puddled soil. *Fundamental and Applied Agriculture*, 2(3): 303-310.
47. Islam KMR, **Begum M**, Salam MA and Akter F. 2017. Weed vegetation in farmers' crop field under brinjal-potato-boro cropping pattern. *Bangladesh Journal of Weed Science*, 6(1&2): 35-46.

48. Huda M, **Begum M**, Rahman MM and Akter F. 2017. Weed composition study on wheat and *boro* rice in research and farmers' fields. *Journal of Bangladesh Agricultural University*, 15(2): 148-157.
49. Zahan T, Rahman MM, Hashem M, Bell RW and **Begum M**. 2017. Performance of Pre- and Post-emergence herbicides in strip tillage Nonpuddled transplanted *Aman* rice. *Bangladesh J. Agricultural Research*, 42(4): 631-46.
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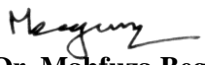
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