**Assoc. Prof. Md. Hafiz All Amin, Ph.D.**

**Email:** hafizallamin@gmail.com, Cell phone: +66 945171704



**EDUCATION**

* **Doctor of Philosophy (PhD) in Sustainable Energy Management**, Faculty of Environmental Management, Prince of Songkla University, Hat Yai, 90110, Songkhla, Thailand. Graduation Date: October 2021, Satisfactory.

**Thesis Title:** Bird’s nest green roof in a multifunctional building for sustainable environment in Southern Thailand

* **Master of Science in Agroforestry**, Hajee Mohammad Danesh Science & Technology University, Dinajpur, Bangladesh. Graduation Date: October 2007; Cumulative GPA **3.94** on a 4.0 scale and Rank First Position.

**Thesis Title:** Performance of transplanted *aman* rice under different multipurpose tree species as agroforestry system.

* **Bachelor of Science** **in Agriculture,**Hajee Mohammad Danesh Science & Technology University, Dinajpur, Bangladesh. Graduation Date: December 2005; Cumulative GPA **3.53** on a 4.0 scale.

**PROFESSIONAL EXPERIENCES**

* **Associate Professor,** Department of Agroforestry and Environment,Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur, Bangladesh, August 2017 till to date.
* **Assistant Professor,** Department of Agroforestry and Environment,Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur, Bangladesh, August 2011 – July 2017.
* **Lecturer,** Department of Agroforestry and Environment, Hajee Mohammad Danesh Science & Technology University (HSTU), Dinajpur, Bangladesh, July 2009 – July 2011.
* **Lecturer (Part-time),** Department of Agroforestry and Environment, Hajee Mohammad Danesh Science & Technology University, Dinajpur, Bangladesh, July 2008 – July 2009.

**Employer:** Registrar, Hajee Mohammad Danesh Science and Technology University, Dinajpur-5200, Bangladesh. Chehelgazi union, Basherhat, N508, Dinajpur-5200, Bangladesh Telephone: +88-0531-65429, URL: <http://www.hstu.ac.bd>.

**SUMMARY OF SKILLS**

**Research Expertise**

Green roof application and management, sustainable environmental management by agroforestry practices, Environment and climate change, biodiversity conservation, waste management, carbon footprint, Environmental impact assessment.

**University Teaching**

* Delivered theoretical and practical classroom sessions on Agroforestry and Environmental Science for undergraduate (350 students) and graduate students (18 students). [Courses taught: AGF301 & AGF302: Fundamentals of Agroforestry; AGF401 & AGF402: Fundamentals of Environmental Science; AGF502: Agroforestry Species; AGF505: Tree-Crop Interaction in Agroforestry; AGF506: AGF509: Soil Conservation in Agroforestry; AGF512: Environmental Protections in Agroforestry]
* Demonstrated experimental set-up, laboratory analytical procedures and field-oriented demonstration in the field for undergraduate students.
* In M.S. program instructed to design experiment and conduct research, and edited thesis work
* Trained laboratory technicians on laboratory safety protocols and advanced lab methods
* Updated syllabus, graded tutorials, and final exam papers, and arranged seminars. Gained administrative experience as assistant Hall Super and Deputy Director in the Sports and Education section

**Research and Project Management**

* Experienced in conducting research works including experimental set-up, collection, preparation and analysis of soil, water, and plant samples
* Conducted numerous small plot field research experiments with different crops such as tomato, onion, okra, mungbean and eggplant with association of woody perennials at different locations of Northern Bangladesh
* Utilized multiple software tools for the management of information and statistical analyses of research data (e.g., R language, R studio, Microsoft Office packages, SPSS, MSTAT, and Crop Stat)
* Experienced in operation and maintenance of small plot research equipment (e.g., rotary tiller, seeder, sprayer)
* Summarized research results and presented findings at local, regional, and national conferences

**Interpersonal/Communication**

* Refined written communication skills through academic and report writing proven with publications
* Possess excellent leadership and organizational skills. Detail oriented and ability to prioritize assigned and own works to meet deadlines
* Competent in establishing a positive rapport with co-workers, comfortable in interacting in a constructive and professional manner to maintain a team environment
* Developed agricultural training program and field day for the regional farmers on effective agroforestry practices for diversified crop production in Bangladesh

**AWARDS, FELLOWSHIPS AND GRANTS**

* Working as a Principal Investigator (PI) on **safe food: organic production of tomato under kalo koroi, gora neem and ipil-ipil based agroforestry as influenced by mulching** from July 2016 to June 2017 funded by Institute of Research and Training (IRT), Hajee Mohammad Danesh Science and Technology University through UGC University Grand Commission.
* Working as a Principal Investigator (PI) on **assessment of the ecological and socioeconomic benefits provided by homegardens: a case study of Dinajpur district** from July 2016 to June 2017 funded by Institute of Research and Training (IRT), Hajee Mohammad Danesh Science and Technology University through UGC University Grand Commission.
* Working as a Co-Investigator (CI) on **effect of bio-pesticides on the organic production of Tea in Panchagarh district of Bangladesh** from July 2016 to June 2017 funded by Ministry of Science and Technology, Government of the People’s Republic of Bangladesh.
* Working as a Principal Investigator (PI) on **performance of okra under kalo koroi, gora neem and ipil-ipil based agroforestry systems from July 2015 to June 2016** funded by Institute of Research and Training (IRT), Hajee Mohammad Danesh Science and Technology University through UGC University Grand Commission.
* Working as a Principal Investigator (PI) on **performance of ginger under different shade of Black siris, ghora neem and ipil-ipil based agroforestry system from July 2014 to June 2015** funded by Institute of Research and Training (IRT), Hajee Mohammad Danesh Science and Technology University through UGC University Grand Commission.
* Working as a Research Assistant in the Department of Agroforestry under the project **Collection and conservation of medicinal plants in agroforestry system** funded by IRT (Institute of Research and Training), Hajee Mohammad Danesh Science and Technology University Dinajpur in 2011.
* Working as a Research Assistant in the Department of Entomology under the project **Screening and Biological Activity of Indigenous Plant Extracts Against Pulse Beetle, *Callosobruchus Chinensis* (Bruchidae: Coleoptera)** funded by Ministry of Science and Technology in 2009-2010.
* Working as a Research Assistant in the Department of Fisheries Biology and Genetics, Faculty of Fisheries, Hajee Mohammad Danesh Science and Technology University, Dinajpur -5200 under the project **Biodiversity study of SIS (Small Indigenous Species) of fish in Dinajpur District** funded by UGC in 2008.
* Working as a Research Assistant on “**Development of Agroforestry Plain land Food Security Model”** from 01 January 2006 to 31 December 2007 under the project funded by IRT (Institute of Research and Training), Hajee Mohammad Danesh Science and Technology University Dinajpur.

**LIST OF PUBLICATIONS**

1. **Amin, M.H.A.,** Begum, M.L., Akter, M.M., Parvej M.M.R., Jutidamrongphan, W. And Techato, K (2021). Bio-economic performance of organic cucumber under woodlots-based agroforestry systems. Journal of Applied Ecology and Environmental Research. 19(5): 3409-3429. DOI: http://dx.doi.org/10.15666/aeer/1905\_34093429
2. **Amin, M. H. A.,** Das, B. K., Akter, M. M., Thainiramit, P., Jutidamrongphan, W., Techato, K. & Sangkakool, T. (2021). Economic feasibility of potato production influenced by intra-row plant spacing under mango-based agroforestry system. Australian Journal of Crop Science 15(01): 58-66 (2021). DOI: https://doi:10.21475/ajcs.21.15.01.2602
3. Jingjit, S., **Amin, M.H.A.** Techato, K. (2021). Alternative Water Heating Technologies Replaced Instantaneous Water Heater in Hotel Sector – a SWOT-AHP Analysis. TEM Journal, 10(2), 498-507.  DOI: 10.18421/TEM102-03
4. **Amin, M.H.A.,** Akter, M.M., Biswas, A.K., Parvej M.M.R., and Rayhan, S.M. (2021). Bio-economic production potentialityof *Solanum lycopersicum* under smart agroforestry practice. Innovations in Agriculture. 4: 7-14. DOI: https://doi.org/10.25081/ia.2021.v4.6990
5. Ahmed, A. Parvej M.M.R., **Amin, M.H.A.,** Paul, A.K. and Khan, M.S. (2021). Modern Rice (*Oryza sativa* L.) Production Potentiality through a Sorts of Management Practice. Acta Scientific Agriculture5.5 (2021): 22-36. DOI: 10.31080/ASAG.2021.05.0981
6. Parvej, M.M.R., Hossain, S.M.A, Bhuiya, M.S.U. and **Amin, M.H.A**. (2019) Performance of wheat potentiality influenced by water retainer and nitrogen fertilization. *Int. J. Sustain. Crop Prod.* 14(1), 1-11.
7. Kazi Noor-E-Alam Jewel and **M.H.A**. **Amin.** 2017. A study on social forestry program and its effectiveness on costal environment. PROSHIKHYAN, a Journal of Training and Development. 25(1): 45-52.
8. **Amin, M.H.A.,** Sudhir Chandra Bormon and Md. Kajal. 2017. Organic production of tomato under multipurpose tree based agroforestry as influenced by mulching. Bangladesh Research Publications Journal. 12(3): 222-231.
9. **Amin, M.H.A**., Roy, J.P., Rahman, M.S. and Kajal, M. 2017. Economic performance of onion under *Albizia lebbeck, Melia azedarach* and *Leucaena leucocephala* based agroforestry systems. Journal of Innovation & Development Strategy. 11(1): 1-8.
10. Kajal, M., **Amin,** **M.H.A.,** Bari, M.S., Zaman, M.R. and Hanif, M.A. 2015. Varietal performance of transplanted *aman* rice under mango based agroforestry system. J. Agrofor. Environ. 9 (1 & 2): 41-44.
11. Zeni, Z.A., Rahaman, M.S., Ali, M.M. and **Amin, M.H.A**. 2015. Performance of wheat (*Triticum aestivum* L. cv. BARI GOM-25) under mango-based agroforestry system. J. Sci. Technol. Vol. 13:21-25.
12. Khatun, H., Haque, M.R., Hosain, M.M. and Amin, M.H.A. 2013. Evaluation of weaning foods formulated from germinated wheat and lentil flour from Bangladesh. 8(2): 152-158.
13. Samsuzzaman, M., Islam, A.T.M.S., Hossain, S.K.M.M., **Amin,** **M.H.A.** and Kaisher, M.S. 2012. Biological control of collar rot of tomato caused by *Sclerotium rolfsii*. Bangladesh Res. Pub. J. 6(3): 240-247.
14. Podder, K.C., Hossain, S.K.M.M., Hassan, S.M.E., **Amin,** **M.H.A.** and Mahmud A.B.M.S. 2012. Effect of different levels of black pointed seed on healthy wheat seed production. Bangladesh Res. Pub. J. 6(4): 420-433.
15. **Amin,** **M.H.A.** and Huda, S. 2011. Identification of locally produced seeds of vegetable species in homestead agroforestry system. Bangladesh Res. Pub. J. 6(2): 183-191.
16. Parvin, R., Shapla,T.L. and **Amin, M.H.A.** 2011. Allelopathic effects of *albizia lebbeck* on agricultural crops. Int. J. Sustain. Crop Prod*.* 6(1):50-57.
17. Parvin, R. Shapla T.L. and **Amin, M.H.A.** 2011. Effects of leafs and *leucaenea leucocephala* different tree depth soil on the allelopathy of agricultural crops. J. Innov. Dev. Strategy. 5(1):61-69.
18. Adhikery, B. and **Amin, M.H.A.** 2011. Performance of cotyledonary explant of chilli and the effect of different hormones on in vitro regenerations. Bangladesh Res. Pub. J. 6(1): 57-64.
19. Shapla, T.L. Parvin, R., **Amin,****M.H.A.** and Rayhan, S.M. (2011). Allelopathic effects of multipurpose tree species *melia azedarach* with emphasis on agricultural crops.J. Innov. Dev. Strategy. 5(1):70-77.
20. Karim, M.R. Rahman, M.S., Huda, S. Noman, M.R.F. and **Amin, M.H.A**. 2011. Adoption of technological innovations by the pond owners for ensuring food security. Bangladesh Res.Pub. J. 6(2): 192-197.
21. Zahangir, M., Rashid, M.M., Hossain, M.M., Rashid M.A. and **Amin, M.H.A.** 2011. Global financial crisis and its impact on overseas employment and international remittance of Bangladesh. Bangladesh Res. Pub. J. 6(1): 111-119.
22. **Amin,** **M.H.A.,** Rahman, S.M., Shamsuddoha, A.T.M., Rayhan S.M. and Hanif M.A. 2010. Performance of cabbage under multipurpose tree species as agroforestry system. Bangladesh Res. Pub. J. 4(1): 76-81.
23. Hanif, M.A., **Amin,** **M.H.A.,** Bari, M.S., Ali, M.S. and Uddin,M.N. (2010) Performance of okra under litchi based agroforestry system. J. Agrofor. Environ. 4 (2): 137- 139.
24. Hossain, A.K.M.M., Islam, M.R., Bari, M.S., **Amin, M.H.A.** and Kabir, M.A. 2010. Effects of mulching and levels of potassium on growth and yield of carrot. *Banglasdesh Research Publications Journal.* Vol 2 (2): 963-970.
25. Kaisher, M.S., Rahman, M.A., **Amin, M.H.A**., Amanullah, A.S.M. and Ahsanullah, A.S.M. 2010. Effect of sulphur and boron on the seed yield and protein content of Mungbean. Banglasdesh Research Publications Journal. Vol 3 (4): 1181-1186.
26. Uddin, M.N., Miah, M.M.U., Rahman, M.S., **Amin,** **M.H.A.** and Rahman, M.S. (2010) Performance of Indian spinach in litchi based agroforestry system. J. Agrofor. Environ. 4 (1): 97-100.
27. Amin, A.K.M.R, Ahammad,A.K.S., **Amin, M.H.A.,** Mehbub, M.F. and Miah, M.M.U. (2010) Biodiversity study of SIS (Small Indigenous Species) of fish in Northwest part of Bangladesh and detection of threatened species. Biological Diversity and Conservation. 3 (1). 56-65.
28. **Amin, M.H.A.,** Miah, M.M.U. and Akter, M.M. 2010. Yield performance of transplanted aman rice under different multipurpose tree species. J. Agrofor. Environ. 3 (2): 91-94.
29. Ali, M.S., Miah, M.M.U., Amin, M.H.A., Rahman, M.S. and Hanif, M.A. (2010) Varietals performance of cane in association with different multipurpose tree species. J. Agrofor. Environ. 4 (2): 45-47.
30. Choowdhury, M.M.A.A., Miah M.M.U., **Amin, M.H.A.,** Akter M.M. and. Hanif, M.A. 2010. Effect of fertilizer and lime on the performance of turmeric in ghora neem based agroforestry system. J. Agrofor. Environ. 3 (2): 69-72.
31. Islam, S.S., **Amin,** **M.H.A.,** Parvin, S., Amanullah, A.S.M. and Ahsanullah, A.S.M. 2010. Effect of pre-and post- emergence herbicides on the yield of transplant aman rice. *Banglasdesh Research Publications Journal.* Vol 3 (4): 1242-1252.
32. Islam, S.S., **Amin,** **M.H.A.,** Parvin, S., Amanullah, A.S.M. and Ahsanullah, A.S.M. 2010. Effect of number of seedling and level of nitrogen on the growth and yield of transplant aman rice cv. BRRI dhan41. *Banglasdesh Research Publications Journal.* Vol 3 (4): 1204-1213.
33. Hossain, M.F., Hasan, M.A., Fancy, R. and **Amin,** **M.H.A.** 2010. Feasibility of using poultry litter with local aromatic rice in *aman* season. J. Agrofor. Environ. 4 (1): 121-123.
34. Hossain, M.F., Hasan, M.A. and **Amin, M.H.A.** (2010). Performance of modern aromatic rice (cv. BRRI dhan50) under different fertilizer management practices in boro season. J. Agrofor. Environ. 4 (1): 147-149.
35. Bakul, M.R.A., Akter, M.S., Islam, M.N., Chowdhury, M.M.A.A. and **Amin, M.H.A.** 2010. Water stress effect on morphological characters and yield attributes in some mutants t-aman rice lines. *Banglasdesh Research Publications Journal.* Vol 3 (2): 934-944.
36. Amin, A.K.M.R., Parvez, I., Zaman M.B. and **Amin. M.H.A.** 2009. Study the status of endangered SIS (Small Indigenous Species) of the fish in the natural waters of NorthWest region of Bangladesh. J. of Environ. Sci. & Natural Resources, 2(2): 163-168.
37. Samsujjaman, M., Ahmed, M., **Amin,** **M.H.A.,** faruk, M.O. and Azad, M.O.k. 2009. Effect of timing of nitrogen fertilizer application and date of harvesting on yield of wheat. *Bangladesh Research Publications Journal*. Vol. 2(2):454-469.
38. Akter, M.S., Islam, M.N., **Amin, M.H.A.,** Bakul, M.R.A., Chowdhury, M.M.A.A. 2008. Comparative efficiency of separated tiller vs bolon practice in t-aman rice. *Bangladesh Research Publications Journal*. Vol. 1(3):255-263.
39. Rayhan, S.M., Rahman. M.A., Hossain, M.F., Amin, M.H.A. and Azad, M.O.K. 2009. Effect of Planting Time and Magnesium on the Quality of Jute Seed. Bangladesh Research Publications Journal. 2(2): 436-444.
40. **Amin, M.H.A.,** Rahaman, M.S. and Azad M.O.K. 2008. Effect of Initial Moisture Content and Different Storage Container on the Quality of Grass Pea (*Lathyrus sativa*) Seed. *Int. J. Sustain. Crop Prod.* Vol. 3(3): 18-24.
41. Rahman, M.S., Haque, E., Ali, M.K., Rashid, M.A. and **Amin, M.H.A.** 2008. Study of Relative Profitability of BRRI Dhan 33 Over BR 11 for Monga Mitigation in Greater Rangpur Region. *Journal of Innovation and Development Strategy.* Vol. 2(3):65-70.
42. Rayhan, S.M., Rahman, M.A. and **Amin, M.H.A.** 2008. Effect of planting time and magnesium on the growth and yield of jute seed. Bangladesh Research Publications Journal. 1(4): 303-311.
43. Sarwar, S.H.M.G., Amin, M.R., Rahman, M.A. **Amin, M.H.A.** and Kabiraj, R.C. 2008. Comparitive study of drum seeding with other planting method in aus rice. J. Sci. Technol. (Dinajpur) Vol. 6:42-50 (2008).
44. Sarker, M.A.M., Miah, M.M.U., Hossain, M.I. and **Amin, M.H.A**. 2007. Performance of mungbean as green manuring crop in agroforestry system. J. Agrofor. Enviror. Vol. 1(2) 87-90.
45. Miah, M.M.U., Rahman, M.S., Hakim, M.A., **Amin, M.H.A.** and Rahman, M.Z. 2007. Organic production of eggplant in multistoried agroforestry system. J. Agrofor. Enviror. Vol. 1(2) 79-82.

 **TRAINING**

* 6 months training course on GIS for Environmental Management. Prepare a report on Identify suitable locations for Biomass Power Plants in Tamod district sub districts (Tambon), Songkhla province by ArcGIS Software.
* Data analysis: Data analysis with “CROPSTAT, GENSTAT, SPSS, R LANGUAGE”. Department of Statistics, Hajee Mohammad Danesh Science and Technology University, Bangladesh. Funded by Higher Education Quality Enhancement Project (HEQEP).
* Basics of MS office. Department of Computer Science, Hajee Mohammad Danesh Science and Technology University, Bangladesh.

**MEMBERSHIPS**

* Professional membership-
* Member, National Agroforestry Working Group
* Member, Society of Agroforestry
* Member, Seed Science Society
* Treasurer of Teachers and Officers Club, Hajee Mohammad Danesh Science and Technology University (HSTU), Dinajpur, Bangladesh.
* Self-Reliance Development Association, Bangladesh. (Rural development work)
* Prothom Alo Bondhu Shova
* Rover Scout