

**Curriculum Vitae
of
Prof. Dr. Md. Forhad Hossain**



NAME: PROF. DR. MD. FORHAD HOSSAAIN

1. Current Position:

- **Professor**, Department of Agroforestry and Environmental Science, Sher-e-Bangla Agricultural University, Dhaka
- **Director, Student Affairs**, Sher-e-Bangla Agricultural University, Dhaka
- **General Secretary**, Neel Dal, Awami League Supported Teachers Association, Sher-e-Bangla Agricultural University, Dhaka
- **Assistant General Secretary**, Bangladesh Agricultural Extension Network (BAEN)
- **Organizing Secretary**, Sher-e-Bangla Agricultural University Teachers Association
- **Office Secretary**, Sher-e-Bangla Agricultural University Alumni Association
- **General Secretary**, Teachers' Club, Sher-e-Bangla Agricultural University
- **Member**, Sonar Tori, Awami League Supported Peshajibi Songothon
- **Life Member**, Krishibid Institution Bangladesh
- **Secretary, International Affairs**- One Bangladesh

Mailing Address:

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Residential Address

Chameli Building (7th Floor)
Sher-e-Bangla Agricultural University
Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh
Cell: 01716236385

Permanent Address:

Village: Chakta Bari, Post: Jadur Char, Upazilla: Rowmari,
District: Kurigram, Bangladesh

Country Visited for Study Tour and Other Purposes:

India, Nepal, Thailand and Taiwan

2. Personal Information:

- Fathers Name : Momotaz Uddin Ahmed
- Mothers Name : Jobeda Khatun
- Date of Birth : 10th September 1969
- Nationality : Bangladeshi (by Birth)
- National ID : 4627765136
- Religion : Islam
- Marital Status : Married
- No of Kids : Two Daughters

3. Educational Qualification:

Degree	University/ Board	Passing Year	Results/Remarks
Ph.D. in Agroforestry and Environment	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2011	3.88 (out of 4.0)
M.S. in Agroforestry	Bangladesh Agricultural University, Mymensingh	2003	4.0 (out of 4.0) Awarded President Gold Medal
B.Sc.Ag. (Hons.)	Bangladesh Agricultural Institute (BAI), Dhaka	1990 (held in 1994)	First Class
H.S.C. (Science)	Secondary & Higher Secondary Education Board, Rajshahi	1986	First Division
S.S.C. (Science)	Secondary & Higher Secondary Education Board, Rajshahi	1984	First Division

4. Service Experience:

Name of Post	Organization	Duration		Length of services
		From	To	
Professor Department of Agroforestry and Environmental Science	Sher-e-Bangla Agricultural University, Dhaka-1207	11 November 2012	Till to date	10.5 years
Associate Professor Department of Agroforestry and Environmental Science	Sher-e-Bangla Agricultural University, Dhaka-1207	27 November 2012	10 November 2012	5 years
Assistant Professor Department of Agroforestry and Environmental Science	Sher-e-Bangla Agricultural University, Dhaka-1207	27 November 2002	26 November 2007	5 years
Lecturer Department of Agroforestry and Environmental Science	Sher-e-Bangla Agricultural University, Dhaka-1207	27 November 1997	26 November 2002	5 years
Total Service Period		About 26 Years		

5. Additional Responsibilities:

Position	Duration	Length
Chairman, Department of Agroforestry and Environmental Science	5 December 2004 to 4 January 2006	2 years
Chairman, Department of Agroforestry and Environmental Science	21 July 2011 to 20 July 2013	2 years
General Secretary, Teachers' Club	1 July 2013 to till date	7 years
Proctor	6 November 2017 to 12 January 2021	3 years 9 months
General Secretary, Neel Dal	2017- Till to date	4 years
Member, Teachers' Association	2013-16	3.5 years
Provost, Nawab Siraj Uddowla Hall	21 July 2013 to 5 November 2017	4 years 3 months

6. Professional Membership:

Sl. No.	Position	Institution/Organization	Duration
1.	Life Member	Krishibid Institution Bangladesh	-
2.	Office Secretary	Sher-e-Bangla Agricultural University Alumni Association	From 2017- till to date
3.	General Secretary	Neel Dal, Awami League Supported Teachers' Association, Sher-e-Bangla Agricultural University, Dhaka	From 2017- till to date
4.	Assistant General Secretary	Society for Bangladesh Agricultural Extension Network (BAEN)	From 2016 to till date
5.	General Secretary	Teachers' Club, Sher-e-Bangla Agricultural University, Dhaka	From 2013 to till date
6.	Member	Bangabandhu Krishibid Parishad	-
7.	Life Member	Bangladesh Agricultural Extension Network (BAEN)	-
8.	Life Member	Sher-e-Bangla Agricultural University Teachers' Association	-
9.	Life Member	Sher-e-Bangla Agricultural University Teachers' Welfare Association	-
10.	Member	Sonar Tori	From 2014 till to date
11.	Sports Secretary	Bangladesh Agricultural Institute Teachers' Association	2000-05
12.	Sports Secretary	Student League, Sher-e-Bangla Hall , Bangladesh Agricultural Institute, Dhaka	1989-90
13.	Member, International Affairs	One Bangladesh	2023-25

7. M S & PhD Thesis Supervisor:

- Sher-e-Bangla Agricultural University, Dhaka
- Bangladesh Agricultural University, Mymensingh
- Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur
- Patuakhali Science and Technology University, Dumki, Patuakhali
- Hazi Mohammad Danesh Science and Technology University, Dinajpur
- Sylhet Agricultural University, Sylhet

8. Examiner:

- Sher-e-Bangla Agricultural University, Dhaka
- Bangladesh Agricultural University, Mymensingh
- Sylhet Agricultural University, Sylhet
- Hajeer Mohammad Danesh Science & Technology University, Dinajpur
- Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur
- Patuakhali Science & Technology University, Dumki, Patuakhali
- Bangladesh Public Service Commission (BPSC)

9. Recruitment Board Member:

- Sher-e-Bangla Agricultural University, Dhaka
- Patuakhali Science & Technology University, Dumki, Patuakhali
- Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur

10. Academic Council Member:

- Sher-e-Bangla Agricultural University, Dhaka
- Patuakhali Science & Technology University, Dumki, Patuakhali

11. Career Objectives:

- University Teaching & Administration
- Conducting Agricultural, Social and Environmental Research
- Monitoring and Evaluation of Projects
- Supervision of MS and Ph.D. Students
- Conducting Development Training

12. **Award:** [President Gold Medal](#) for Outstanding Performance in MS Program

13. **Courses conducted in Sher-e-Bangla Agricultural University, Dhaka**

M.S. & PhD Level	B. Sc. Ag. (Hons.) Level
<ul style="list-style-type: none">• Research Methodology in Agroforestry and Environmental Science• Climate Change and Adaptation• Environment and Conservation• Urban Forestry• Social Forestry• Environmental Policy and Ecosystem Conservation	<ul style="list-style-type: none">• Introduction to Agroforestry• Introduction to Environment• Mangrove Ecosystem and Management• Social Forestry

14. Conducted Research and Development Projects

Position	Title of the Project	Duration	Funding Agency
Principal Investigator	A study on the growth, biomass production and distribution of potential tree species grown under homesteads of Madhupur AEZ.	2005-2006	Ministry of Science and Information & Communication Technology
	Assessment of ecosystem services and benefits of rooftop gardening for climate friendly city development using geospatial technology.	2017-2018	BARC NATP PHASE-II
	Evaluation of vegetable production on rooftop: a demonstration project of urban agriculture.	2016-2017	MOS&T
	Estimation of Ecosystem Carbon Stock and Tree Species Diversity at National Botanical Garden, Mirpur.	2017-2018	MOS&T
	Carbon stocks of charisland homestead agroforestry: smallholder system be targeted for increased carbon as climate change mitigation and livelihood improvement.	2014-2015	MOS&T
	Measurement of Biodiversity degradation and its improvement through establishing sustainable integrated fruit-timber plant based Agroforestry system.	2013-14	MOS&T
	Evaluating the potential of rooftop Agriculture: a demonstration project.	2015-16	MOS&T
	Tree species diversity and carbon stock measurement: study of charland homesteads in Kazipur Upazilla of Sirajganj District.	2019-20	MOS&T
	Economic study of nursery business: Dhaka North City Corporation (DNCC) as a case	2020-21	MOS&T
	Morphological Study and Economic Consideration of Brinjal Cultivation on Rooftop Garden Using Various Compost	2021-22	MOS&T
	Assessment of opportunities and challenges of urban forestry of newly developed Dhaka City	2022-23	MOS&T

15. M.S Student Supervision:

About 40 (Forty) students were supervised and Ten (10) students were co-supervised in different fields like agroforestry, forestry, carbon estimation, rooftop gardening, social forestry, charisland forestry/agroforestry etc. Some of the field of work of the student's MS supervision is given herewith:

Sl. No	Title of research work
1.	Estimation of Biomass Carbon Stock at Three Plantation Sites in Sher-e-Bangla Agricultural University Campus.
2.	Screening of Leafy Vegetables Under Mahogany (<i>Swietenia mahagoni</i>) Based Agroforestry System.
3.	Agricultural University Teachers' Attitude Towards Agroforestry Promotion in Bangladesh.
4.	Problems Faced by the Nursery Owners in Seedling Production.
5.	Plant Species Diversity of Roof Top Gardening in Dhaka City.
6.	Carbon Stock Quantification and Tree Diversity Assessment of Homegardens in Rangpur District.
7.	Trend analysis of climatic parameters in Bangladesh and their probable impacts on the productivity of the major crops.
8.	Measurement of Biodiversity and Carbon Stock in North-Western Char Island Homegardens of Bangladesh.
9.	Estimation of Ecosystem Carbon Stock and Tree Species Diversity at Green Area Dhaka City.
10.	Farmer's Views and Perceptions About Cropland Agroforestry Promotion in Rangpur District of Bangladesh.
11.	Assessment of Ecosystem Services and Benefits of Rooftop Gardening for Eco-friendly City Development Using Geospatial Technology.
12.	Evaluation of vegetables production on rooftop garden: A research on urban agriculture
13.	A study of national tree fair: Economic and social implication.
14.	Structure and Composition of Urban Greeneries in Dhaka South City Corporation.
15.	Economic study of nursery business: Dhaka North City Corporation (DNCC) as a case
16.	Plant Species Composition and Structure of Some Selected Area of Dhaka North City Corporation (DNCC).
17.	Homestead tree species diversity and its impact on socioeconomic condition of farmers

	in Chandpur district of Bangladesh.
18.	A Comparative study on plant species diversity and economics of nursery business: Dhaka city as a case.
19.	Stakeholders' Perception on cross-cutting issues of pesticides and other chemicals used for environmental friendly management of mango.
20.	Evaluation of Different models for vegetables production on rooftop garden.
21.	Prospects of nursery business in Dhaka south city corporation (DSCC).
22.	Performance of some selected winter vegetables in rooftop garden.
23.	Farmers Perception About Eucalyptus Tree Cultivation as Cropland Agroforestry: A case Study of Bogura District.
24.	Plant Species Diversity of Homestead Microsties of Gazipur District of Bangladesh.
25.	Impact of Rice Mill Towards Environmental Economic and Health Status of Rice Mill Workers Under Selected Upazilas of Pabna District.
26.	Performance of Nitrogen and Phosphorus on The Growth and Yield of Indian Spinach (<i>Basella Alba L.</i>) on Roof Top Garden.
27.	Interactive Effect of Nitrogen and Phosphorus on Growth and Yield of Chili (<i>Capsicum annuum L.</i>) in roof Top Garden.

16. List of published research articles:

National:

Alam, M.M., G.M.M.Rahman., **M. F. Hossain** and M.A.Wadud. 2000. Incidence of major rice diseases under tree-crop agroforestry system. J.Agric.Edu.Tech.3(1&2): 55-60.

Ahmed, K.U., M.K. Rahman., M.A.R. Majumder., M.S.M. Chowdhury and **M.F.Hossain**. 2001. Effect of growth regulators on the yield and yield contributing factors and nutrients contents of the Oyster mushroom.J.Agric.Sci.Tech.2(2):30-35.

Haque, M.M., **M.F. Hossain.**, T.K.Shaha., A.K.M.Z.Pasha and K.U. Ahmed. 2006. Response of ginger to zinc and boron fertilization. J.Agric.Educ.Technol.9(1&2):95-100.

Haque, M.M., **M.F. Hossain.**, N.Nahar., A.K.M.M.Alom & T.K. Shaha. 2006. Effect of split application of NPK fertilizers on the growth and yield of rice. J.Agric.Sci.Technol.5(1&2):71-74.

Haque, M.M., **M.F. Hossain.**, M.F.Haque., A.K.M.Z Pasha & T.K.Shaha. 2006. Response of turmeric to zinc and boron fertilization. J.Agric.Edu.Technol. 9(1&2):111-114.

Miah, M.M., M.G. Miah., **M.F. Hossain** and M.K. Islam. 2007. Performance of carrot under different reduced light levels in agroforestry system. J.agric. sci. technol. 8 (1 & 2): 100-104.

Hossain. M.F. 2007. Performance of spices crops as affected by multistoried agroforestry production system. J. agric. sci. technol. 8 (1 & 2): 90-94.

Afroze. F., **M.F. Hossain.**, M. Ali., M.A. Sadat and H. Begum. 2007. Genetic variability and character association in ash gourd (*Benincasa hispida* T). J. agric. educ. technol. 10 (1 & 2): 105-110.

Sarmin, N.S., M.G.Miah., T. Ahmed and **M.F. Hossain.** 2008. Plant biodiversity and its distribution pattern around the homestead pondside. J. agric. educ. technol.11 (1&2): 7-14.

Hossain, M.F., N.S. Sarmin., M. Sultana., A.K.M.A. Chowdhury and M.F. Al-Mamun. 2009. Potential tree species, their distribution pattern and biomass production in homestead of Mdhubur tract.J. Sher-e-Bangla Agric. Univ., 3(2): 1-7.

Jabber, M.A., Miah, M.G., Mortuza, M.G.G., **Hossain, M.F** and Ahmed, M. 2010. Impact of Homestead farming on the livelihood and farm economy in some selected areas of Narsindhi and Gazipur districts. J. Sher-r-Bangla Agric. Univ., 4 (1): 106-113, January 2010.

Hossain, M.F., Shapla, T.L., Mortuza, G.G., Mondal, S. and Shahadat, M.K. 2010. Performance of pineapple in terms of yield and quality grown under multistoried agroforestry systems. J. Sher-r-Bangla Agric. Univ., 4(1): 100-105, January 2010.

Alam, M.M., **Hossain, M.F.**, Chowdhury, H.R.A.H.M. and Chowdhury, A.K.M.M. 2010. Synchrony evaluation of plant age and aphid performance through insecticide application in mustard. Int.J.Sustain. Agril.tech. 6(9):47-52.

Alam, M.M., **Hossain, M.F.** and Mortuza, G.G. 2010. Synchrony evaluation of insecticide application in controlling *Lipaphis erysimi* Kalt. in mustard. J. Subtrop. Agric. res. Dev. 9(5): 934-938.

Mondal, S., Miah, M.G., Saleque M. A., Rahman, Md. Abiar and **Hossain, M.F.** 2011 Effect of *Gliricidia Sepium* Alley Widths and Nitrogen Levels on Yield of Aus Rice International Journal of Agriculture, Environment and Biotechnology 4(1): 27-33.

Hossain M.F. 2012. Agro-economic Study of Fruit Tree-Vegetable based Agroforestry System for Small Holding Farmers in Bangladesh. A Ph.D thesis

International:

Jaman, M. S., **Hossain M. F.**, Islam M. S. Helal, M. G. J., Jamil, M and Md. Mizanur Rahman, M. M. 2016 Quantification of Carbon Stock and Tree Diversity of Homegardens in Rangpur District, Bangladesh International Journal of Agriculture and Forestry 2016, 6(5): 169-180 DOI: 10.5923/j.ijaf.20160605.01.

Jaman, M. S., Islam M. S., Jamil, M and **Hossain M. F.** 2016 Soil Organic Carbon and Tree Density in Homegardens of Rangpur District, Bangladesh *International Journal of Plant & Soil Science* 13(4): 1-10, 2016; Article no.IJPSS.2961.7

yyyyhDelwar Hossain, Md. Ehsanul Haq*, Manna Salwa, Md. Nazmul Islam Shekh, Aisha Siddika, Sharna Akter, **Hossain, M. F.** and Md. Shariful Islam. 2019. Estimation of Ecosystem Carbon Stock and Tree Species Diversity at National Botanical Garden, Dhaka, Bangladesh. Asian Soil Research Journal 2(2): 1-11, 2019; Article no.ASRJ.52523.

Iffat Jahan Nur, Bishwajit Kundu, Tasnia Ferdous, Sadia Afrin Jui and **Hossain, M. F.** 2020. Rooftop gardening: A summer cooling technology in cities. IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT) e-ISSN: 2319-2402,p- ISSN: 2319-2399. Volume 14, Issue 2 Ser. III. PP 37-43 www.iosrjournals.org DOI: 10.9790/2402-1402033743 www.iosrjournals.org 37.

Iffat Jahan Nur, Motaleb Hossain Sarker, Tania Hossain, Tasnia Ferdous, Sazedatur Rahman, Benazir Iqbal, Md. Golam Jilani Helal, **Hossain, M. F.** 2022. Evaluation of ecosystem services of rooftop gardens in Dhaka, Bangladesh. Current Research in Environmental

Sustainability journal homepage: www.sciencedirect.com/journal/current-research-in-environmental-sustainability.

Hossain, M. F.^{1*}, M. S. Rana², M.G.G. Mortuza³, M. Sultana⁴ and M.K. Hossain¹. 2021. Tree species diversity and carbon stock measurement: a study in charland homesteads in Sirajganj district of Bangladesh. Journal of Agriculture, Food and Environment (JAFE) Journal Homepage: <http://journal.safebd.org/index.php/jafe>

17. Training Modules Developed and conducted Pilot Training

- Training Module on “Climate Change Adaptation in Agriculture” – funded by IFAD for Sub-Assistant Agriculture Officers

18. Attended Training/Workshop/Seminar:

- Attended three months training programme on “Foundation Course” of Bangladesh Agricultural Research Institute, Gazipur, Bangladesh.
- Attended 4 (four) days conference on “Wood energy supply system and wood fuel trade in Bangladesh”, organized by Institute of Forestry and Environmental Science in IFES, Chittagong University, Chittagong, Bangladesh, supported by Bangkok.
- Attended on many inception workshops, seminars and symposiums to contribute to promotion and research of agroforestry in Bangladesh and also contribute to climate change mitigation technologies.
- Role of Bangabandhu towards agricultural development of Bangladesh- Project financial support by BANBEIS (completed).

19. Paper presented in Seminar/Workshop/Conference:

- “Assessment of ecosystem services and benefits of rooftop gardening for climate friendly city development using geospatial technology.” – Workshop organized by Bangladesh Agricultural Research Council, Farmgate, Dhaka (November 2019)
- “Climate Change Adaptation in Agriculture Sector of Bangladesh” – Workshop organized by Planning Commission, (November, 2019).
- “Climate Change and Agriculture Sector” – Workshop organized by Bangladesh Agricultural Extension Network, (August 2018).

20. M.S. Research Supervision – 60

21. Ph.D Research Supervision – 02 (on going)

22. Language Proficiency: Bengali and English

23. Computer Proficiency: MS Word, MS Excel, MS PowerPoint, SPSS, MSTAT

A handwritten signature in black ink, appearing to read 'F. Hossain', with a horizontal line underneath.

Prof. Dr. Md. Forhad Hossain