

CV of Prof. Dr. Mst. Nur Mohal Akhter Banu

1. Personal information



Name Dr. Mst. Nur Mohal Akhter Banu
Designation Professor
Organization Department of Entomology
Faculty of Agriculture
Sher-e-Bangla Agricultural University
Dhaka-1207
Bangladesh
Fathers name Md. Osman Ali Fakir
Mothers name Piyara Khatun
Place of birth Dupchanchia, Bogura
Date of Birth 01/06/1974
Nationality Bangladeshi
Permanent address Mondal para, Dupchanchia, Bogura
Contact Email: nurmohalsau@yahoo.com
nurmohalento@sau.edu.bd
ORCID: <https://orcid.org/0000-0002-6089-1736>
Experience 18 years 2 months

2. Membership in Professional Societies

- Member, Academic Council, Sher-e-Bangla Agricultural University (SAU)
- Member, Dean Executive Committee, Faculty of Agriculture, SAU, 12.01.2016 to 12.01.2018.
- Life member, Sher-e-Bangla Agricultural University Teachers' Association (SAUTA)
- Life Member, Bangladesh Entomological Society
- Life Member, Krishibid Institution of Bangladesh (KIB)
- Life Member, Bangladesh Agricultural University Alumni Association

3. Education
Ph.D (Entomology), Bangabandhu Sheikh Mujibur Rahman Agricultural University, 2013, GPA 4 out of 4

M.S.(Entomology) Bangladesh Agricultural University, 2001 secured 1st class.

B.Sc.Ag., Bangladesh Agricultural University, 1999 secured 1st class.

H.S.C , Rajshahi Board in 1991, Secured 1st division

S.S.C , Rajshahi Board in 1989, Secured 1st division

4. Training/seminar/symposia

Abroad

Successfully completed a training course on " Insecticidal protein: Application and regulatory issue." at ICGEB, New Delhi, India from 12th November to 23th November 2007.

Participated 'International Training Workshop on Water-Saving and Protected Agriculture Technology in Modern Dry Farming; sponsored by the Ministry of Science and Technology and hosted by the Gansu Academy of Agricultural Sciences (GAAS), P. R. China., 2021 (Three-week certificate course) (Online).

Home

Successfully completed a training course on " Foundation Training for University Teachers" conducted by the Graduate Training Institute (GTI), Bangladesh Agricultural University support from University Grants Commission of Bangladesh during 14 February 2009 to 08 April, 2009.

Attended a Workshop on “**Higher Education Quality Enhancement Project**” Jointly organized by University Grants Commission of Bangladesh and Sher-e-Bangla Agricultural University, Dhaka, Bangladesh held at SAU conference room on February, 2014.

Successfully completed a training on “**Curriculum Development and Teaching Learning Assessment**” organized by Higher Education Quality Enhancement Project (HEQEP), University Grants Commission, Bangladesh, held on 17 December to 21 December, 2013 at Sher-e-Bangla Agricultural University, Dhaka.

Completed a training on “Understanding research metrics and finding relevant journals to read and publish” on 26 June, 2022 organized by The Institutional Quality Assurance Cell of Sher-e-Bangla Agricultural University in association with Central Library, SAU and ELSEVIER.

Attended a Workshop on BAC Accreditation: Documentation and Evidence on 29 June 2024, organized by The Institutional Quality Assurance Cell of Sher-e-Bangla Agricultural University.

5. Languages proficiency

	Speaking	Reading	Writing
English	Good	Excellent	Excellent
Bangla	Mother tongue	Excellent	Excellent

6. **Research area**

Biological control, Sucking insect pests' management, Storage pests' control and Integrated pest management.

7. **Award Received**

Got a fellowship of the Ministry of Science & Technology, Government of Bangladesh During M.S course, the title of my research was" Comperative infestation of single and mixed culture with bruchid beeltes *Callosobruchus chinensis* Linn. and *Callosobruchus maculatus* Fab. on different types of pulses.

8. **Employment Record**

From 13 March To till date
2020

Employer Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position Held Professor, Department of Entomology, Faculty of Agriculture

Duties Providing services as the supervisor of the Research works for the post-graduate students (MS & PhD).

Conducting the courses of Economic Entomology, Host plant resistance, Urban Entomology, Insect behavior and Seminar Courses for the Post-graduate students.

Planning, supervising, monitoring and implementation of the research works based on the insect infestation, their management, pest-plant interactions for the post-graduate students.

Conducting Introductory Entomology (Theory and practical), Systematic Entomology and Insect Ecology (Theory and practical), Economic Entomology and Pest management (Theory and Practical) in Undergraduate levels of B.Sc.Ag. (Hon's) and Crop Protection Strategy-1 (Theory) in Undergraduate levels of BBA (Agribusiness).

From 13 March To 12 March 2020

2016

Employer Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position held Associate Professor

Duties Providing services as the supervisor of the Research works for the post-graduate students (MS & PhD).

Conducting the courses of Economic Entomology, Host plant resistance, Urban Entomology, Insect behavior and Seminar Courses for the Post-graduate students.

Planning, supervising, monitoring and implementation of the research works based on the insect infestation, their management, pest-plant interactions for the post-graduate students.

Conducting Introductory Entomology (Theory and practical), Systematic Entomology and Insect Ecology (Theory and practical), Economic Entomology and Pest management (Theory and Practical) in Undergraduate levels of B.Sc.Ag. (Hon's) and Crop Protection Strategy-1 (Theory) in Undergraduate levels of BBA (Agribusiness).

From 01 June To 12 March 2016
2008

Employer Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position held Assistant Professor

Duties Providing services as the supervisor of the Research works for the post-graduate students (MS).

Planning, supervising, monitoring and implementation of the research works based on the insect pests, their management, insect-plant interactions for the MS students.

Conducting Introductory Entomology (Theory and practical), Systematic Entomology and Insect Ecology (Theory and practical), Economic Entomology and Pest management (Practical) in Undergraduate levels of B.Sc.Ag. (Hon's) and Crop Protection Strategy-1 (Theory) in Undergraduate levels of BBA (Agribusiness).

From 01 June to 31 May 2008
2006

Employer Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position held Lecturer

Duties Conducting Introductory Entomology (Theory and practical), Systematic Entomology and Insect Ecology (Theory and practical), Economic Entomology and Pest management (Practical) in Undergraduate levels of B.Sc.Ag. (Hon's) and Crop Protection Strategy-1 (Theory) in Undergraduate levels of BBA (Agribusiness).

From 28 August 2005 To 31 May 2006

Employer Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

Position held Part time Lecturer

Duties Conducting Introductory Entomology (Theory and practical), Systematic Entomology and Insect Ecology (Theory and practical), Economic Entomology and Pest management (Practical) in Undergraduate levels of B.Sc.Ag. (Hon's).

9. Administration management experienced
Chairman, Dept. of Entomology, SAU, Dhaka. April 09, 2017 to April 08, 2019

10. **Research Projects (Completed)**

From: October 2021 To September 2022 (Project-06)

Employer/Donor Sher-e-Bangla Agricultural University Research System (SAURES)

Position held Principal Investigator

Title of the project Efficacy of botanicals against pulse beetle, *Callosobruchus chinensis* Linn. in chickpea under different storage materials.

Duties Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.

From: October 2022 To September 2023 (Project-05)

Employer/Donor Sher-e-Bangla Agricultural University Research System (SAURES)

Position held Principal Investigator

Title of the project Efficacy of some biopesticides against mango mealybug.

Duties Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.

From: January 2020 To December 2021(04)

Employer/Donor Sher-e-Bangla Agricultural University Research System (SAURES)

Position held Principal Investigator

Title of the project Efficacy of some insecticides against mango mealybug.

Duties Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.

From: April 2017 To September 2018 (03)

Employer/Donor	Project Implementation Unit-BARC, NATP- 2 Bangladesh Agricultural Research Council
Title of the project	Distribution, severity, species diversity and damage assessment of papaya mealybug.
Duties	Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.
From: 2018	To 2019 (02)
Employer/Donor	Ministry of Science and Technology Government of the People's Republic of Bangladesh
Title of the project	Infestation intensity and seasonal abundance of papaya mealybug in Dhaka and its management by biopesticides.
Duties	Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.
From: August 2015	To July 2016 (01)
Employer/Donor	University Grants Commission of Bangladesh (UGC)
Title of the project	Exploration of potential predator of mango mealybug (<i>Drosicha mangiferae</i>) and evaluation of its predation efficiency.
Duties	Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring data collection procedure; analysis of data, prepare report and submit to the authority.

11. Post Graduate (MS & PhD) Students Supervision

Ph. D. Thesis Supervisor: 02 ongoing

MS Thesis Supervisor: 12 MS students completed their degree

MS Thesis

i. Thesis Title: Effect of botanicals on sucking insect pests and their predators in brinjal

Program: Master of Science in Entomology

Publication Year: June, 2022

Name & Registration No. of Student: Khursheda Akter, Reg. No. 15-06464

ii. Thesis Title: Efficacy of some insecticides against mango mealybugs (*Drosicha mangiferae* Green).

Program: Master of Science in Entomology

Publication Year: June, 2022

Name & Registration No. of Student: Farzana Yesmin, Reg. No. 15-06465

-
- iii. Thesis title: Eco-friendly management of leaf miner and fruit borer in tomato.
Program: Master of Science in Entomology
Publication Year: June, 2021
Name & Registration No. of Student: Takia Benta Reza, Reg. No. 14-05949
-
- iv. Thesis title: Infestation intensity, seasonal abundance of papaya mealybug in Dhaka and its chemical management.
Program: Master of Science in Entomology
Publication Year: June 2020
Name & Registration No. of Student: Nushrat Jahan Digonty, Reg. No. 18-09026
-
- v. Thesis title: Effectiveness of some biopesticides in managing major Lepidopteran insect pests of cabbage.
Program: Master of Science in Entomology
Publication Year: June 2020
Name & Registration No. of Student: Md. Masudunnabi Choyon, Reg. No. 18-09223
-
- vi. Thesis title: Pest status, infestation intensity and farmer's management practices of papaya mealybug in ten major papaya growing districts of Bangladesh.
Program: Master of Science in Entomology
Publication Year: June 2017
Name & Registration No. of Student: Md. Motiour Rahman Shimul, Reg. No. 11-04527
-
- vii. Thesis title: Extent of damage caused by pulse beetle (*Callosobruchus chinensis*) in different mungbean Varieties.
Program: Master of Science in Entomology
Publication Year: June 2017
Name & Registration No. of Student: Shorifa Khatun, Reg. No. 11-04354
-
- viii. Thesis title: Performance of some Tomato Varieties against Fruit Borer, *Helicoverpa armigera* (Hub.).
Program: Master of Science in Entomology
Publication Year: December 2016
Name & Registration No. of Student: Md. Romanul Islam, Reg. No. 15-06918
-
- ix. Thesis title: Incidence of insect pests on different varieties of sweet-gourd.
Program: Master of Science in Entomology
Publication Year: June 2016
Name & Registration No. of Student: Shakil Ahmed, Reg. No. 10-04044
-
- x. Thesis title: Variability in the incidence of mustard aphid on different varieties of mustard.
Program: Master of Science in Entomology
Publication Year: June 2016
Name & Registration No. of Student: Mir Hasan-Al-Banna, Reg. No. 10-04006
-
- xi. Thesis title: Life Cycle of Ladybeetle and its Predation Efficiency on Mango Mealybug (*Drosicha mangiferae*).
Program: Master of Science in Entomology
Publication Year: December 2015
Name & Registration No. of Student: Mst. Afrin Akter Bhuiyan, Reg. No. 14-
-

- xii. Thesis title: Evaluation of Plant Extracts and Mechanical Bands Against Mango Mealybug (*Drosicha mangiferae*).

Program: Master of Science in Entomology

Publication Year: June 2015

Name & Registration No. of Student: Shah Md. Ashrafur Islam, Reg. No. 09-03350

12. Full-length Research Publications (26)

1. **Akhter, N.**, Alam, M. Z., Rahaman, M. A., Miah, M. R. U., Mian, I. H. and Latif, M. A. 2024. Integrated Approaches of Mechanical Barrier, Insecticide and Botanicals against Mango Mealybug (*Drosicha mangiferae*). *Advances in Entomology*, 2024, 12, 195-202.
2. Reza, T. B., Rahman, S. M. M., Rahaman, M. A., Begum, M., Shilpa, T. M. and **Akhter, N.** 2024. Assessment of botanicals against the fruit borer (*Helicoverpa armigera*) on tomato. *Asian Research Journal of Agriculture*. 17(2): 407-413.
3. Rahaman, M. A. Chowdhury, M. S. M. Islam, M. R. Sultana, N. Ali, M. R. **Akhter, N.** and Aminuzzaman, F. M. 2023. *In vitro* efficacy assessment of botanical extracts against *Botrytis gladiolorum* causing gladiolus leaf blight. *American J. of Pl. Sci.* 14: 1146-1161.
4. Rahaman, M. A. Chowdhury, M. S. M. Islam, M. R. Sultana, N. Ali, M. R. **Akhter, N.** and Aminuzzaman, F. M. 2023. *In vitro* efficacy assessment of fungicides against *Botrytis gladiolorum* causing gladiolus leaf blight. *Open Access Library Journal*, 10, e10849.
5. **Akhter, N.**, Latif, M. A. and Alam, M, Z. 2022. Effect of seasonal variations and weather factors on population dynamics of mango mealybug (*Drosicha mangiferae*) in Bangladesh. *American J. Pl. Sci.* **13**: 564-575.
6. Choyon, M. M., **Akhter, N.**, Rahman, M. M. and Hossain, M. E. 2022. Effectiveness of Some Bio-pesticides in Managing Major Lepidopteran Insect Pests of Cabbage (*Brassica oleracea* var. *capitata* L.). *Asian J. Agric.* **15**(3): 44-51.
7. Choyon, M. M., **Akhter, N.**, Rahman, M. M. and Hossain, M. E. 2022. Biopesticides mitigate the larval population of Lepidopteran insects on cabbage (*Brassica oleracea* var. *capitata* L.). *Tropical Agrobiodiversity*

8. Hossain, M. E., Rahman, M. M., Akhter, S., **Akhter, N.** and Khan, M. S. I. 2020. Eco friendly management of major Lepidopteran insect pests of summer cabbage by six commonly used botanicals. *Biosci. Agric. Res.* **25**(01): 2060-2068.
9. Hossain, M. E., Rahman, M. M., Akhter, S., **Akhter, N.** and Khan, M. S. I. 2020. Botanicals affect the incidence of lepidopteran insect pests on summer cabbage. *Int. J. Business Social and Sci. Res.* **8**(3): 15-19.
10. Alam, M. N., Akhter, M. N., Siddiquee, A., Islam, N. and **Akhter, N.** 2017. Effect of Detrashing on Stem Borer Infestation and Yield Contributing Characters of Sugarcane. *Bangladesh J. Sugarcane.* **38**: 14-20.
11. Islam, S. M. A., **Akhter, N.** and Latif, M. A. 2017. Evaluation of botanicals against mango mealybug. *J. Expt. Biosci.* **8**(2): 59-66.
12. Ahmed, S., **Akhter, N.** and Latif, M. A. 2017. Incidence of red pumpkin beetle and fruit fly on different varieties of sweet gourd. *J. Expt. Biosci.* **8**(2): 67-76.
13. Islam, R., **Akhter, N.** and Latif, M. A. 2017. Screening of some tomato varieties against whitefly and fruit borer. *J. Expt. Biosci.* **8**(1): 65-80.
14. Banna, M. H., **Akhter, N.** and Latif, M. A. 2017. Evaluation of some promising mustard varieties against mustard aphid infestation. *J. Expt. Biosci.* **8** (1): 81-88.
15. Hossain, M. A., Ali, M. R., Begum, F. and **Akhter, N.** (2015). Screening of some mustard varieties against aphid. *Ann. Bangladesh Agric.* **19**(2): 23-33.
16. Latif, M.A. and **Akhter, N.** 2013. Population dynamic of whitefly on cultivated crops and its management. *Int. J. Biores. Stress Manage.* **4**(4): 576-581.
17. Hossain, M.D. Yasmin, S., Latif, M.A. and **Akhter, N.** 2013. Effect of neem (*Azadirachta indica*) and other Plant Extracts on Yellow Mite of jute. *Int. J. Biores. Stress Manage.* **4**(3): 412-417.
18. Islam, M.S., **Akhter, N.** and Latif, M.A. 2013. Effect of sowing times and varieties on incidence of pod borer in lentil, *Int. J. Agric. Innov. Res.* **2**(1): 58-61.

-
19. Latif, M.A. **Akhter, N.** and Islam M.S. 2013. Effect of sowing dates and lentil varieties on incidence of Aphid, whitefly and their predators. *J. Expt. Biosci.* **4(2)**: 59-64.
 20. Latif. M.A., Laizu, M. and **Akhter, N.** 2012. Evaluation of dry leaf powder of some indigenous plants against pulse beetle, *Callosobruchus chinensis* L. infesting mungbean seeds. *Bangladesh J. Entomol.* **22(2)**: 21-31.
 21. Rahaman, M. A. Fakir, M.S.A. Rahman, M.M. and **N. Akhter.** 2008. Study on Reproduction Efficiency, drymass production and yield in mungbean genotype J. *Subtrop. Agric. Dev.* **6(4)**:534-537.
 22. **Akhter, N.** and Rahaman, M.A. 2008. Efficacy of botanicals in controlling pulse beetle *Callosobruchus chinensis* L. in lentil. *Int. J. Sustain. Agril. Technol.* **4(1)**: 18-22
 23. **Akhter, N.** and Rahaman, M. A. 2008. Potency of plant materials in controlling pulse beetle (*Callosobruchus chinensis* L) in Chickpea. *J. Subtrop. Agric. Res. Dev.* **6(1)**: 422-425.
 24. **Akhter, N.**, Sardar, M.A., Rahaman, M.A. and Rahman, M.A. 2001. Seed treatment with insecticides and smoking of botanicals for protection of pulse beetle, *Callosobruchus chinensis* L. *Bangladesh J. Environ. Sci.* **7**: 177-181.
 25. Rahman, M.A., Ahmed, M., Shahjahan, M., **Akhter, N.** and Mollah, M.L.R. 2001. Laboratory evaluation of some plant seed dusts against the lesser meal worm *Alphitobius diaperinus* (Panzer) (Coleoptera: Tenebrionidae). *Bangladesh J. Seed Sci. Technol.* **5(1&2)**: 67-72.
 26. **Akhter, N.** and Sardar, M.A. 2000. Comparative infestation of single and mixed culture with bruchid beetles *Callosobruchus chinensis* L. and *Callosobruchus maculatus* Fab. on some properties of stored pulses. *Bangladesh J. Seed Sci. Technol.* **4(1&2)**: 27-30.
13. My thesis

Ph.D thesis title: Study on bioecology of mango mealybug and its management

MS thesis title: Comparative infestation of single and mixed culture with bruchid beetles *Callosobruchus chinensis* Linn. and *Callosobruchus maculatus* Fab. on different

types of pulses.

14. Computer skills

Skilled on all forms of computer operating system such as Windows, Microsoft Word and Excel, Access, Multimedia, & Internet Browsing” Also skilled in SPSS, SATISTIX-10 and MSTAT-C Computer Packages for Data Analysis.

15. Referee

1. Prof. Dr. Md. Abdul Latif
and Vice-Chancellor
Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh
Mobile: 01552373406

2. Prof. Dr. Ramiz Uddin Miah
Dept. of Entomology
Bangabandhu Sheikh Mujibur Rahman Agricultural University
Salna, Gazipur, Bangladesh
Mobile: 01552495584

Signature:

Date:
