1. **Name** : Dr. F. M. Aminuzzaman

2. **Fathers Name** : Late Md. Osman Ali Fakir

3. **Mothers Name** : Late Piyara Khatun

4. **Date of Birth and age** :31/10/1972 (52 Years)

5. **Mobile No**. : +88 01733717936

6. **Permanent Address** : Ward No. 05, Village: Mondalpara, Post: Dupchanchia, Police station: Dupchanchia, Municipality: Dupchanchia, District: Bogura, Bangladesh

7. **Present Address** : House No. 19, Road No. 12, Block D, Chandrima Model Town, Mohammadpur, Dhaka-1207, Bangladesh.

8. **Educational Qualification** :

- Postdoc in Plant Pathology and Microbiology, Institute of Microbiology, Beijing, P. R. China, 2009.
- Ph.D. in Plant Pathology, Bangladesh Agricultural University (BAU), 2005.
- MS in Plant Pathology, Bangladesh Agricultural University (BAU), 1999 (First class with distinction).
- Bachelor of Science in Agriculture, Bangladesh Agricultural University 1993 (held in 1997) (First class).
- Higher Secondary School Certificate (H.S.C.), Jahanara Kamruzzaman College, Dupchanchia, Bogura, Bangladesh,1989, Science, (First division).
- Secondary School Certificate (S.S.C.), Dupchanchia Pilot High School. Dupchanchia, Bogura, Bangladesh,1987, Science, (First division).

9. **Date of Joining** : 11.11.2003

10. **Service length in the University** : 21 Years

11. **Present Position** : Professor (Grade-2) from November 2018.

12. **Subject and Department Name:** Department of Plant Pathology
Faculty of Agriculture
Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh

13. **Work experience** :

- Director (Research), Sher-e-Bangla Agricultural University Research System (SAURES), from September 05, 2024 to till date.
- Assistant Provost, Kabi Kazi Nazrul Islam Hall, Sher-e-Bangla Agricultural University, Dhaka From April 2006 to March 2008.
- Chairman, Department of Plant Pathology, Sher-e-Bangla Agricultural University,

  From July 20, 2013 to July 19, 2015.

14. **Nationality** : Bangladeshi

15. **Contact** : Mail: aminsaupp@yahoo.com
aminpp@sau.edu.bd
Cell: +88 01733717936
ORCID: 0000-0003-4804-0100
Website link: http://www.sau.edu.bd/teacher/195
Google Scholar: https://scholar.google.com/citations?user=-sWoOjcAAAAJ&hl=en
ResearchGate: https://www.researchgate.net/profile/Fm-Aminuzzaman
Clarivate (Web of Science): https://www.webofscience.com/wos/author/record/1987517
Scopus index: https://www.scopus.com/authid/detail.uri?authorId=16232251100

16. **Membership in Professional Societies**

- Member, British Society For Plant Pathology (BSPP)
- Member, Academic Council, Sher-e-Bangla Agricultural University (SAU)
- Member, Dean Executive Committee, Faculty of Agriculture, SAU, 2013 to till date
- Life member, Sher-e-Bangla Agricultural University Teachers' Association (SAUTA)
- Life Member, Bangladesh Phytopathological Society
- Life Member, Bangladesh Association of Environmental Science
- Life Member, Krishibid Institution of Bangladesh (KIB)
- Life Member, Sher-e-Bangla Agricultural University Alumni Association

17. Training/seminar/symposia :

Abroad

i. First International symposium on **'Fruit Science and Technology Innovation among Belt and Road countries'** from October 22 to October 24, 2019, jointly organized by the Research Institute of Pomology, Chinese Academy of Agricultural Sciences (CAAS) and Huludao Science and Technology Bureau, Huludao, Xincheng, P.R.China.

ii. MoU signing ceremony between Sher-e-Bangla Agricultural University (SAU) and Chinese Academy of Agricultural Sciences (CAAS), organized by Chinese Academy of Agricultural Sciences (CAAS), Beijing, P.R.China on October 09, 2017 (Speaker as a plant pathologist and SAU representative).

iii. VI International Conference on **Environmental, Industrial and Applied Microbiology** from October 28 to October 30, 2015, University of Barcelona, Spain, supported by The World Academy of Sciences (TWAS, Italy).

iv. International training program on fruit **production techniques for developing country'** from June 25 to July 10, 2015, jointly organized by the Department of International Cooperation of MOA, P.R.China and Research Institute of Pomology, Chinese Academy of Agricultural Sciences, Xincheng, P.R.China.

v. International symposium on 'I**ndustrial Biotechnology**' from October 15 to October 18, 2014, jointly organized by The World Academy of Science and Chinese Academy of Science, Beijing, P.R.China.

vi. International training workshop on **'Botanical Extracts Processing Technology'** from October 15 to November 3, 2011 organized byHunan Agricultural University, P.R.China.

vii. Participation in '**TWAS-ROESEAP Symposium on Industrial Biotechnoloyg'** from August 26 to 30, 2011, jointly organized by The World Academy of Science and Chinese Academy of Sciences, Beijing, P.R.China.

viii. Theoretical and practical course on "**Biologics: from discovery to development"** organized by International Center for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India. 27 October to 03 November, 2009.

ix. Workshop on "**Insect Associated Fungi"** organized by the Mycological Society of China. 26 to 27 September, 2008, Beijing, P.R.China**.**

x. Participation in "**China-Japan Pan Asia Pacific Mycology Forum"** organized by Mycology Society of China and Mycology Society of Japan, July 28 to August 05, 2008. Jilin Agricultural University, Changchun, Jilin, P.R.China.

xi. Participation in"**Annual Meeting of Mycological Society of China, 2008"** organized by China Mycology Society at Huazhong Agricultural University, Wuhan, P.R.China.

Home

i. Participation and successful completion of a four (4) day workshop on 'Integration of Plant Clinic Approach and CABI Digital tools in the Public Agricultural Universities of Bangladesh' organized by the Department of Plant Pathology, Sher-e-Bangla Agricultural University and CABI PlantwisePlus held in Digital Library Training Centre, SAU, Dhaka from 27-30 August 2023 (Certificate course).

ii. International Training on '**Pest Free Area**' as part of the training series '**Improving Phytosanitary Trade Compliance in Bangladesh**' organized by USDA, USAID, APAARI, and DAE on 8, 9 & 12 June 2022 at Hotel SARINA, Banani, Dhaka, Bangladesh (Certificate course).

iii. International Training on '**Phytosanitary Inspections and Treatments**' as part of the training series '**Improving Phytosanitary Trade Compliance in Bangladesh**' organized by USDA, USAID, APAARI and DAE on 13-16 June, 2022 at Hotel SARINA, Banani, Dhaka, Bangladesh (Certificate course).

iv. Participated as a speaker on '**Diseases of field crops and their management',** organized by DAE, Khamarbari for DAE officers, on November 25, 2019.

v. Participated as a speaker on '**Diseases of cereal crops and their management',** organized by BADC for field officers of contact growers, Dhaka circle on May 02, 2019.

vi. Workshop on "**Manual for Quarantine Laboratory"** organized by Strengthening Phytosanitary Capacity in Bangladesh Project (SPCBP), Department of Agriculture Extension (DAE), Khamarbari, Farmgate, Dhaka, Bangladesh. 11-13 February 2014.

vii. 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 in February 2014.

viii. 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.

ix. Training workshop on "**Curriculum Development and Evaluation**" organized by Higher Education Quality Enhancement Project (HEQEP), University Grants Commission, Bangladesh, held on June 22 to June 23, 2012 at Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh, Bangladesh.

x. Training workshop on "**Teaching Methods and Assessment of Learning**" organized by Higher Education Quality Enhancement Project (HEQEP), University Grants Commission, Bangladesh, held on June 09 to June 15, 2012 at Graduate Training Institute (GTI), Bangladesh Agricultural University, Mymensingh, Bangladesh.

xi. Training course on **"Pest Risk Analysis (PRA) of Maize"** organized by Eusuf and Associates and Department of Agricultural Extension (DAE), Ministry of Agriculture, Dhaka, Bangladesh held in January 2012.

xii. Training course on "**Climate Change and Adaptation**", jointly organized by Can Tho University (Vietnam), Independent University (Bangladesh) and Middlesex University (UK) held on 3 - 4 June, 2009.

xiii. Training course on '**Teaching Management and Learning Process**' organized by Directorate of Outreach, Sher-e-Bangla Agricultural University, Dhaka, 2003.

Online Training workshops during and after COVID pandemic period

i. International wrap-up training on 'Phytosanitary treatment, Pest Free Area (PFA) and Inspection' 01 September 2022, organized by APAARI.

ii. International training on 'Standard Operating Procedures (SOP)' 14 August, 2022, jointly organized by USDA and APAARI (Certificate course).

iii. International training on 'Plant pest identification systems' 24 January, 2022, jointly organized by USDA, USAID, APAARI and Plant protection wing DAE (Certificate course).

iv. Participated in international workshop 'Building capacity to enhance Bangladesh Agricultural Trade through WTO standards' on December 21, 2021 organized by USDA, USAID, APAARI and DAE.

v. International Training Workshop on 'Green control of major plant pests' from July 14 to July 28, 2021 organized by Institute of Plant Protection, Chinese Academy of Agricultural Sciences (IPCAAS) (certificate course).

vi. Participated in 'Inception Workshop Improving Phytosanitary Trade Compliance in Bangladesh' on February 24, 2021.

vii. International certificate course on Pest Risk Assessment, August 1, 2021 (SPS module course).

viii. International certificate course on Pest Risk Analysis, August 2, 2021 (SPS module course).

ix. International training on 'Pest risk analysis training: Risk assessment, Risk communication, Risk management the improving phytosanitary trade compliance in Bangladesh project 2nd - 9th august, 2021, organized by USDA, USAID, APAARI and Plant protection wing DAE (Certificate course).

x. A paper presented on international training workshop organized by IPCAAS on November 18, 2021.

xi. 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).

xii. International Training course on 'Application of HACCP' 2021, organized by Wageningen University, The Netherlands (Certificate course).

xiii. International Training course on 'Food Hazards' 2021, organized by Wageningen University, The Netherlands (Certificate course).

xiv. International Training course on 'OKP Bangladesh Distance Learning, Prerequisite program and Principles of Food Hygiene' 2021, organized by Wageningen University, The Netherlands (Certificate course).

xv. Participated in a training workshop on 'Green control of major fruit pests' organized by the Institute of Pomology, Chinese Academy of Agricultural Sciences (CAAS), on 5-6 November 2020.

xvi. A paper presented at an international training workshop organized by IPCAAS entitled '*Colletotrichum* spp, associated with anthracnose of mango' on December 29, 2020.

xvii. Attended seventy-five (80) different lectures (1 hr each) on food safety issues in the last four years.

18. Languages & Degree of Proficiency

Language	Speaking	Reading	Writing
English	Good	Excellent	Excellent
Bangla	Mother Tongue	Excellent	Excellent
Chinese	Few sentences	None	None

19. Countries of Work Experience: Bangladesh, China

20. Research area

Biological control, Biopesticide formulation, diversity of macrofungi, emerging crop diseases, molecular biology

21. Award Received: TWAS-ROESEAP Industrial Biotechnology Young Scientists Prize 2011

22. Employment Record

From: Nov, 2018	To till date
Employer	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position Held	**Professor (Grade-2),** Department of Plant Pathology, Faculty of Agriculture.
From: Nov, 2014	To Oct, 2018
Employer	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position Held	**Professor,** Department of Plant Pathology, Faculty of Agriculture.
Duties	• Providing services as the supervisor of the Research works for the Post-graduate students (MS & PhD). • Conducting Molecular biology, Soil borne diseases, Plant Nematology, Industrial Microbiology and Biological Control Courses and Seminar Courses for the Post-graduate students. • Planning, supervising, monitoring and implementation of the research works based on the plant diseases, their management, pest-plant interactions for the post-graduate students.
From: Nov, 2010	To Oct, 2014
Employer	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position Held	**Associate Professor,** Department of Plant Pathology, Faculty of Agriculture.
Duties	• Providing services as the supervisor of the Research works for the Post-graduate students (MS & PhD). • Conducting Research Methodology and Data Analysis Course, and Seminar Courses for the Post-graduate students. • Planning, supervising, monitoring and implementation of the research works based on the plant diseases, their management, pest-plant interactions for the post-graduate students.
From: Feb 2005	To November 2010

Employer	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position held	**Assistant Professor**, Department of Plant Pathology, Faculty of Agriculture
Duties	• Providing services as the supervisor of the Research works for the Post-graduate students (MS & PhD). • Conducting Research Methodology and Data Analysis Course, and Seminar Courses for the Post-graduate students. • Planning, supervising, monitoring and implementation of the research works based on the insect pests, their management, insect-plant interactions for the post-graduate students.
From: Sept,2002	To: February 2005
Employer	Sher-e-Bangla Agricultural University, Dhaka, Bangladesh
Position held	**Lecturer**, Department of Plant Pathology, Faculty of Agriculture
Duties	Teaching & Research

23. Research Project

Ongoing Research Project: 2

Completed Research Project: 20

List of completed Research Projects

From July 2023	**To June 2024 (Project-20)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Morphological and molecular characterization and virulence of *Ustilaginoidea virens* causing false smut of rice
Duties	Prepared Complete Proposal of the project, organized training for the students, and their development related to the project activities; monitored data collection procedure; analysis of data, prepared a report and submitted to the authority, submission of scientific article to a journal.
From January 2023	**To December 2023 (Project-19)**
Donor	**University Grants Commission, Bangladesh**
Position Held	**Principal Investigator,** Granular formulation and Shelf life evaluation of a bionematicide using a native strain *Purpureocillium lilacinum* PLSAU-1
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, submission of scientific article to a journal.
From July 2022	**To June 2023 (Project-18)**
Donor	**Ministry of Science and Technology, Bangladesh**
Position Held	**Principal Investigator,** Morphological characterization and DNA barcoding of macro fungi from different forest of Bangladesh
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, submission of scientific article to a journal.
From August 2022	**To July 2023 (Project-17)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Morphological and molecular characterization of macrofungi from

	sal forest of Bangladesh
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, submission of scientific article to a journal.
From August 2021	**To July 2022 (Project-16)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Seed treatment with botanicals and biological control agents in reducing seed transmission of wheat blast pathogen *Magnaporthe oryzae triticum*
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, submission of scientific article to a journal.
From August 2020	**To July 2021 (Project-15)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Seed to seed transmission of wheat blast pathogen *Magnaporthe oryzae triticum*
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, submission of scientific article to a journal.
From: Feb, 2019	**To Jan. 2022 (Project-14)**
Donor	**Ministry of Education, BANBEIS, Bangladesh**
Position Held	**Principal Investigator**, Pathogenic variation, molecular characterization, evolution and physiologic races of *Pyricularia oryzae* Cavara and searching resistant rice sources against rice blast.
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, submission of scientific article to a journal.

From Sep. 2019	**To Aug. 2020 (Project-13)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Effects of culture media and abiotic light factors for the growth and sporulation of wheat blast pathogen *Magnaporthe oryzae.*
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, submission of scientific article to a journal.
From Sep. 2018	**To Aug. 2019 (Project-12)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Morphological variation of rice blast pathogen *Pyricularia oryzae* and efficacy of fungicides, botanicals and bioagents on it's growth and sporulation *in-vitro.*
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, submission of scientific article to a journal.

From Nov. 2017	**Oct. 2018 (Project-11)**
Donor	**Sher-e-Bangla Agricultural University Research System, SAURES**
Position Held	**Principal Investigator,** Biodiversity, distribution and conservation of fleshy and woody wild macro fungi from gajni forest region of Bangladesh
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, submission of scientific article to a journal.

From July 2016	**June 2017 (Project-10)**
Donor	**Ministry of Science and Technology**
Position Held	**Principal Investigator,** Biodiversity, distribution, molecular characterization and conservation of fleshy and woody wild mushrooms from mangrove forest regions of Bangladesh.
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From Jan 2016	**December 2016 (Project-9)**
Donor	**University Grants Commission (UGC)**
Position Held	**Principal Investigator,** Biodiversity, morphological characterization and preservation of mushroom collected from tropical evergreen and semi-evergreen forest region of Bangladesh.
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From Jan 2015	**June 2016 (Project-8)**
Donor	**The World Academy of Sciences (TWAS, Italy)**
Position Held	**Principal Investigator,** Evaluation of encapsulated *Paecilomyces lilacinus* in combination with arbuscular mycorrhizal fungus (AMF) *Glomus* sp. on plant growth and suppression of *Meloidogyne incognita* on tomato and eggplant in arsenic amended soil.
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From July 2014	**June 2015 (Project-7)**
Donor	**Ministry of Science and Technology**
Position Held	**Principal Investigator,** Evaluation of bioformulated *Paecilomyces lilacinus* and arbuscular mycorrhizal fungus (AMF) on plant growth and suppression of soil borne diseases of vegetables grown in arsenic amended soil.
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From Jan 2012	**To December 2012 (Project-6)**
Donor	**Sher-e-Bangla Agricultural University Research System (SAURES)**
Position Held	**Principal Investigator,** Effect of application time of biocontrol fungus *Paecilomyces lilacinus* on root knot (*Meloidogyne* spp.) and growth parameters of brinjal and tomato
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From: July,2010	**to June 2012(Project-5)**
Donor	**International Foundation For Science (IFS)**
Position Held	**Principal Investigator**, Identification and biocontrol potential of fungi associated with naturally infected eggs and females of root knot nematodes, *Meloidogyne* spp. in Bangladesh
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From: July, 2010	**to June 2011 (Project-4)**
Donor	**Ministry of Science, Information and Communication Technology**
Position Held	**Principal Investigator**, Effect of different levels of seed infection by *Bipolaris sorokiniana* and population density on leaf blight disease and healthy seed production of wheat
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From: July 2008	**to June 2009 (Project-3)**
Donor	**University Grants Commission, Peoples Republic of Bangladesh**
Position Held	**Principal Investigator**, Effect of biocontrol fungus *Paecilomyces lilacinus* and fosthiazate on root knot (*Meloidogyne* spp.) of eggplant
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, prepared a report and submitted to the authority, submission of scientific article to a journal.

From: Jan, 2006	**To: December 2007 (Project-2)**
Donor	**Sher-e-Bangla Agricultural University Research System (SAURES)**
Position held	**Principal Investigator,** Efficacy of indigenous plant extracts in controlling leaf blight (*Bipolaris sorokiniana*) of wheat
Duties	Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring survey and data collection procedure; analysis of data, prepared a report and submitted to the authority, publication of scientific article in a journal.

From: Jan, 2005	**To December 2006 (Project-1)**
Donor	**University Grants Commission, Peoples Republic of Bangladesh**
Position held	**Principal Investigator**, Ecofriendly management of leaf blight (*Bipolaris sorokiniana*) of wheat
Duties	Prepared Complete Proposal of the project, organize training for the students, their development related to the project activities; monitoring survey and data collection procedure; analysis of data, prepared a report and submitted to the authority, publication of scientific article in a journal.

24. Other Project related activities

From: Jan 2023	**To July 2023**
Donor	Department of Agricultural Extension (DAE) on behalf of the Association of Human Development Program-AHDP.
Position Held	**Plant Pathologist** for Pest Risk Analysis (PRA) of **Potato** in Bangladesh under Strengthening Phytosanitary Capacity in Bangladesh (SPCB) Project
Duties	The major responsibilities are: • Assist the team for design and develop sample frame • Worked the PRA Team for survey questionnaire including FGD, KII, LG guidelines

	and semi structure questionnaire • Conduct field-testing & Organize training of enumerators and supervisors • Data collection monitoring and supervision • Assist Team Leader for report writing
From: Jan 2023	**To July 2023**
Donor	Department of Agricultural Extension (DAE) on behalf of Development Technical Consultants Pvt. Ltd.
Position Held	**Plant Pathologist** for Pest Risk Analysis (PRA) of **Jara lemon and Colombo lemon** in Bangladesh under Strengthening Phytosanitary Capacity in Bangladesh (SPCB) Project
Duties	The major responsibilities are: • Assist the team for design and develop sample frame • Worked the PRA Team for survey questionnaire including FGD, KII, LG guidelines and semi structure questionnaire • Conduct field-testing & Organize training of enumerators and supervisors • Data collection monitoring and supervision • Assist Team Leader for report writing
From: Jan 2017	**To July 2017**
Donor	Department of Agricultural Extension (DAE) on behalf of Association of Human Development Program-AHDP.
Position Held	**Plant Pathologist** for Pest Risk Analysis (PRA) of ***Globodera*** in Bangladesh under Strengthening Phytosanitary Capacity in Bangladesh (SPCB) Project
Duties	The major responsibilities are: • Assist the team for design and develop sample frame • Worked the PRA Team for survey questionnaire including FGD, KII, LG guidelines and semi structure questionnaire • Conduct field-testing & Organize training of enumerators and supervisors • Data collection monitoring and supervision • Assist Team Leader for report writing
From: Jan 2016	**To July 2016**
Donor	Department of Agricultural Extension (DAE) on behalf of Development Technical Consultants Pvt. Ltd.
Position Held	**Plant Pathologist** for Pest Risk Analysis (PRA) of **Cucurbits** in Bangladesh under Strengthening Phytosanitary Capacity in Bangladesh (SPCB) Project
Duties	The major responsibilities are: • Assist the team for design and develop sample frame • Worked the PRA Team for survey questionnaire including FGD, KII, LG guidelines and semi structure questionnaire • Conduct field-testing & Organize training of enumerators and supervisors • Data collection monitoring and supervision • Assist Team Leader for report writing
From: Jan 2016	**To June 2016**
Donor	Department of Agricultural Extension (DAE) on behalf of Development Technical Consultants Pvt. Ltd.
Position Held	**Plant Pathologist** for Pest Risk Analysis (PRA) of **Cut Flower & Foliage** in Bangladesh under Strengthening Phytosanitary Capacity in Bangladesh (SPCB) Project
Duties	The major responsibilities are: • Assist the team for design and develop sample frame • Worked the PRA Team for survey questionnaire including FGD, KII, LG guidelines and semi structure questionnaire • Conduct field-testing & Organize training of enumerators and supervisors • Data collection monitoring and supervision • Assist Team Leader for report writing

From Feb 2015	**June 2015**
Donor	Ministry of Science and Technology, GoB
Position Held	**Co-Investigator** for Development of mass-rearing protocol for egg parasitoid, *Trichogramma evanescens* (Westwood) and its eco-friendly management along with insect sex pheromone traps against brinjal shoot and fruit borer
Duties	Provided services for planning, designing and implementation of the research works on identification of effective management options of brinjal shoot and fruit borer and their effect on the beneficial insects.
From Jan 2012	**To December, 2013**
Donor	**University Grants Commission (UGC) of Bangladesh, Ministry of Education, Government of Bangladesh**
Position Held	**Member, Survey Team**, Self-Assessment Exercise, Faculty of Agriculture, Sher-e-Bangla Agricultural University.
Duties	Prepared proposal of the sub-project; participation in training program for teaching learning; development of questionnaire for collecting data from different stakeholders; collection of data from teachers, students, officers, alumni and employer of the alumni. Data entry, data analysis and report writing, organize seminar and preparing final report.

25. Editorial Board Member

1. Bangladesh Journal of Plant Pathology (BJPP), Executive Editor. (2023-2026).
2. Journal of Sher-e-Bangla Agricultural University, Chief Editor, from 2024 to till date.
3. Research Journal of Cell and Molecular Biology (RJCMB)
4. International Journal of Applied Research on Medicinal Plants
5. Biotechnology Journal International (Academic Editor)

26. Post Graduate (MS & PhD) Students Supervision

Ph. D. Thesis Supervisor: 02 Thesis submitted; 03 ongoing (Total: 05)

MS Thesis Supervisor: 54 Thesis submitted

MS Thesis

Thesis Title: Isolation, identification and evaluation of root endophytes of lentil against *Sclerotium rolfsii* causing foot and root rot of lentil (*Lens culinaris*)
Program: Master of Science in Plant Pathology
Publication Year: June, 2023
Name & Registration No. of Student: Mir Rukaiya Islam, Reg. No. 16-07395
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Isolation, identification and in vitro screening of bio-control agent against soil borne pathogens and management of wilt disease in lentil
Program: Master of Science in Plant Pathology

Publication Year: June, 2023
Name & Registration No. of Student: Airin AKter, Reg. No. 16-07146
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Morphological, cultural and pathogenic variation of *Rhizoctonia solani* and its in vitro growth inhibition by potential bacterial endophyte of rice leaf sheath
Program: Master of Science in Plant Pathology
Publication Year: June, 2023
Name & Registration No. of Student: Md. Momin Sarkar, Reg. No. 16-07417
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Variation in *Magnaporthe oryzae* and screening rice germplasms against rice blast
Program: Master of Science in Plant Pathology
Publication Year: June, 2021
Name & Registration No. of Student: Azmira Arefin, Reg. No. 19-10039
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Survey on rice blast and morphological characterization of *Magnaporthe oryzae* on different culture media
Program: Master of Science in Plant Pathology
Publication Year: June, 2021
Name & Registration No. of Student: Md. Shariful Islam, Reg. No. 14-06187
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Evaluation of some selected rice genotypes against *Magnaporthe oryzae*
Program: Master of Science in Plant Pathology
Publication Year: June, 2021
Name & Registration No. of Student: Mrinmoy Kumar Roy Tanu, Reg. No. 14-05816
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Ecofriendly management of wheat blast disease caused by *Magnaporthe oryzae triticum*
Program: Master of Science in Plant Pathology
Publication Year: June, 2021
Name & Registration No. of Student: Ashraful Amin Meshuk, Reg. No. 13-05402
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Morphological, cultural and molecular variation and virulence of *Bipolaris sorokiniana* in wheat
Program: Master of Science in Plant Pathology
Publication Year: December, 2020
Name & Registration No. of Student: Sharmin Akter, Reg. No. 18-09284
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Phenotypic and molecular identification of blast resistance genes in rice germplasm
Program: Master of Science in Plant Pathology
Publication Year: December, 2019
Name & Registration No. of Student: Montasir Ahmed, Reg. No. 08-02819
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Diversity, distribution and morphological characterization of wild macro fungi from Gajni forest
Program: Master of Science in Plant Pathology
Publication Year: December, 2019
Name & Registration No. of Student: Debosri Rani Biswas Sonchita, Reg. No. 13-05284
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Survey on wheat blast and morphological characterization and *in-vitro* management of *Magnaporthe oryzae triticum* through botanicals
Program: Master of Science in Plant Pathology
Publication Year: December, 2019
Name & Registration No. of Student: Mst. Rehena Khatun, Reg. No. 18-09044
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Assessment of wheat blast intensity in south west of Bangladesh and characterization of *Magnaporthe oryzae triticum* on different culture media
Program: Master of Science in Plant Pathology
Publication Year: December, 2018
Name & Registration No. of Student: Mst. Laila Ashrafi, Reg. No. 17-08256
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Occurrence, diversity, distribution and morphology of wild mushrooms collected from Gajni forest of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2018
Name & Registration No. of Student: Md. Arifa Afrin Joty, Reg. No. 12-05051
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Survey on wheat blast and morphological variability of *Magnaporthe oryzae triticum*
Program: Master of Science in Plant Pathology
Publication Year: June, 2018
Name & Registration No. of Student: Tanjina Akhter, Reg. No. 12-05031
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Survey on rice blast in some selected area of Bangladesh and *In vitro* evaluation of selected fungicides against *Pyricularia oryzae*
Program: Master of Science in Plant Pathology
Publication Year: June, 2018
Name & Registration No. of Student: Md. Rayhanul Islam Reg. No. 12-05022
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Isolation, molecular identification and screening of Fusarium mycotoxin DON (Deoxynivalenol) degrading bacteria in European wheat samples
Program: Master of Science in Plant Pathology
Publication Year: June, 2018
Name & Registration No. of Student: Israt Jahan Reg. No. 12-04785
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biodiversity, distribution and morphological characterization of macrofungi in some parks and

gardens of Dhaka city
Program: Master of Science in Plant Pathology
Publication Year: June, 2017
Name & Registration No. of Student: Jannatul Ferdous Tanni
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biodiversity, distribution and morphological characterization wood decay fungi on *Dalbergia sissoo*
Program: Master of Science in Plant Pathology
Publication Year: June, 2017
Name & Registration No. of Student: Mst. Asmaul Husna, 11-04321
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biodiversity, distribution and morphological characterization of *Ganoderma* spp. in tropical moist deciduous forest regions of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2017
Name & Registration No. of Student: Mst. Mafia Islam, 11-04293
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Isolation and identification of soil microorganisms in selected potato fields of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2016
Name & Registration No. of Student: Musfika Ahmed Nitu, 15-06879
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Macrofungal biodiversity and distribution in the sal (*Shorea robusta*) forest
Program: Master of Science in Plant Pathology
Publication Year: June, 2016
Name & Registration No. of Student: Sanjida Rahman, 10-03816
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biodiversity, distribution and morphological characterization of macrofungi in Sylhet and Moulvibazar under tropical evergreen and semi-evergreen forest regions of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2016
Name & Registration No. of Student: Tanzim Ahmed, 15-06961
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Morphological characterization and distribution of macrofungi in Gajni forest of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2016
Name & Registration No. of Student: Moumita Momi, 10-04117
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Morphology and ecology of mushroom in the tropical evergreen and semi-evergreen forest regions of Cox's Bazar in Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: June, 2016
Name & Registration No. of Student: Md. Attaul Guni

Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Evaluation of *Purpureocillium lilacinum* and arbuscular mycorrhizal fungus (AMF) on plant growth and control of eggplant wilt in arsenic contaminated soil
Program: Master of Science in Plant Pathology
Publication Year: December, 2015
Name & Registration No. of Student: Md. Golam Rasul,10-03862
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biodiversity, distribution and morphological characterization of macrofungi in Chittagong hill tracts and adjacent areas.
Program: Master of Science in Plant Pathology
Publication Year: December, 2015
Name & Registration No. of Student: Marzana Afrose, 15-06885
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Seed borne fungi and seedling vigour of wheat seeds collected from south western region of Bangladesh.
Program: Master of Science in Plant Pathology
Publication Year: December, 2015
Name & Registration No. of Student: Nishat Tasnim Siddika, 14-06345
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Evaluation of *Purpureocillium lilacinum* and *Glomus* on plant growth and control of *Meloidogyne incognita* of eggplant in arsenic contaminated soil
Program: Master of Science in Plant Pathology
Publication Year: June, 2015
Name & Registration No. of Student: Khalid Hasan, 09-03598
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Root colonization and persistence of *Purpureocillium lilacinum* in rhizosphere as influenced by some crop species and *Meloidogyne incognita*
Program: Master of Science in Plant Pathology
Publication Year: June, 2015
Name & Registration No. of Student: Md. Mostaqur Rahman, 09-03692
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Morphological characterization of mushrooms associated with forest tree of national botanical garden, Dhaka
Program: Master of Science in Plant Pathology
Publication Year: December, 2014
Name & Registration No. of Student: Rubina Hoque, 13-05754
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Efficacy of different application rate of *Purpureocillium lilacinum* against different inoculums density of root-knot nematode (*Meloidogyne incognita*) of tomato
Program: Master of Science in Plant Pathology
Publication Year: December, 2013
Name & Registration No. of Student: Afrin Akter Faria, 07-02424
Organization: Department of Plant Pathology, SAU, Dhaka-1207

Position held: Research Supervisor

Thesis Title: Biodiversity and morphological characterization of mushrooms at the tropical moist deciduous forest region of Bangladesh
Program: Master of Science in Plant Pathology
Publication Year: December, 2013
Name & Registration No. of Student: Md. Rumainul Islam, 08-02753
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effects of *Meloidogyne incognita* inoculums density and application rate of *Paecilomyces lilacinus* on biocontrol efficacy of bioagent against root knot of brinjal
Program: Master of Science in Plant Pathology
Publication Year: June, 2013
Name & Registration No. of Student: Most. Sinthia Sarven, 06-01870
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Impact of *Paecilomyces lilacinus* application time on plant growth and suppression of root knot nematode (*Meloidogyne incognita*) in some selected vegetables
Program: Master of Science in Plant Pathology
Publication Year: December, 2012
Name & Registration No. of Student: Afroga Islam Mitu, 06-02150
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: The effects of Biocontrol fungus, *Paecilomyces lilacinus* and fosthiazate on root knot (*Meloidogyne* spp.) and yield of eggplant
Program: Master of Science in Plant Pathology
Publication Year: June, 2012
Name & Registration No. of Student: Jebunnesa Shammi, 10-04218
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Physiological, cultural and Morphological variation of *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: June'2011
Name & Registration No. of Student: Md. Mamunur Rahman, 05-01805
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of different levels of seed infection (*Bipolaris sorokiniana*) and plant population density on leaf blight severity and yield of wheat
Program: Master of Science in Plant Pathology
Publication Year: June'2011
Name & Registration No. of Student: Md. Nurul Islam, 09-03725
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Biological control potentiality of fungi associated with root knot nematodes (*Meloidogyne* spp.)
Program: Master of Science in Plant Pathology
Publication Year: June'2011
Name & Registration No. of Student: Sayada Nasrin Jahan, 05-01567
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of different levels of seed infection (*Bipolaris sorokiniana*) and population density on leaf

blight development and healthy seed production of wheat
Program: Master of Science in Plant Pathology
Publication Year: December'2010
Name & Registration No. of Student: Fatima Begum, 08-03268
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Influence of Arbuscular Mycorrhizal Fungi on Growth and Nutrient Uptake of Some Vegetable Crops
Program: Master of Science in Plant Pathology
Publication Year: June'2008
Name & Registration No. of Student: Md. Momraz Ali, 27607/00751
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of different levels of seed infection by *Bipolaris sorokiniana* on seedling vigor, leaf blight development and quality seed production of wheat
Program: Master of Science in Plant Pathology
Publication Year: June'2008
Name & Registration No. of Student: Shukti Rani Chowdhury, 03-01101
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Eco-friendly management of leaf blight (*Bipolaris sorokiniana*) of wheat
Program: Master of Science in Plant Pathology
Publication Year: June'2008
Name & Registration No. of Student: Romana Zaman, 03-01206
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Potentiality of plant extract in controlling leaf blight (*Bipolaris sorokiniana*)
Program: Master of Science in Plant Pathology
Publication Year: December'2007
Name & Registration No. of Student: Md. Alaul Islam, 00943
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Management of leaf blight of wheat caused by *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: December'2007
Name & Registration No. of Student: Saila Yesmin, 00805
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Evaluation of fungicides and some ecofriendly treatments against *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: December'2007
Name & Registration No. of Student: Rokshana Panna, 00872
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Efficacy of selected fungicides in controlling sheath blight (*Rhizoctonia solani*) disease of rice
Program: Master of Science in Plant Pathology
Publication Year: December'2007
Name & Registration No. of Student: Md. Homayon Kabir, 27563/00725
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Efficacy of selected fungicides in controlling some foliar diseases of rice
Program: Master of Science in Plant Pathology
Publication Year: December'2007
Name & Registration No. of Student: Fateh Un Tuli, 27586/00741
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Efficacy of plant extracts in controlling leaf blight of wheat caused by *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: June'2007
Name & Registration No. of Student: Md. Mosiur Rahman, 27559/00722
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of fungicide in controlling leaf blight of wheat caused by *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Md. Shah Zamal, 25201/00327
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of manual seed sorting, seed solarization and seed treatment with vitavax and hot water on leaf spot (*Bipolaris sorokiniana*) and grain yield of wheat
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Abu Sayed Md. Zobaer, 24912/00407
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Efficacy of selected plant extracts on leaf spot (*Bipolaris sorokiniana*) and grain yield of wheat
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Md. Aminur Islam, 25105/00292
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Role of Arbuscular Mycorrhizal (AM) fungi on growth and nutrient uptake of some legumes
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Md. Siful Alam, 26277/00560
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Varietal reaction of leaf blight of wheat caused by *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Lutfunnaher Laila, 26214/00505
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of physical and chemical seed treatments on leaf spot (*Bipolaris sorokiniana*) and grain yield of wheat
Program: Master of Science in Plant Pathology
Publication Year: December'2006
Name & Registration No. of Student: Md. Humayun Kabir, 23956/00194
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Thesis Title: Effect of different levels of nutrient combination on leaf spot of wheat caused by *Bipolaris sorokiniana*
Program: Master of Science in Plant Pathology
Publication Year: December'2005
Name & Registration No. of Student: Ziaul Haque, 23898/00158
Organization: Department of Plant Pathology, SAU, Dhaka-1207
Position held: Research Supervisor

Ph.D Thesis: Four (5)

Thesis Title: Management of foot and root rot of sunflower **Program:** Ph.D in Plant Pathology **First enrolled:** January-June, 2023 **Name & Registration No. of Student:** Sharmin Akter, 18-09284 **Organization:** Department of Plant Pathology, SAU, Dhaka-1207 **Position held:** Research Supervisor
Thesis Title: Major diseases of jara and colombo lemon and management of citrus canker **Program:** Ph.D in Plant Pathology **First enrolled:** January-June, 2022 **Name & Registration No. of Student:** Md. Sohrab Hossain Khan, 22-010180 **Organization:** Department of Plant Pathology, SAU, Dhaka-1207 **Position held:** Research Supervisor
Thesis Title: DNA barcoding of macro fungi from Bangladesh **Program:** Ph.D in Plant Pathology **First enrolled:** January-June, 2021 **Name & Registration No. of Student:** Jannatul Ferdous Tanni, 11-04371 **Organization:** Department of Plant Pathology, SAU, Dhaka-1207 **Position held:** Research Supervisor
Thesis Title: Morpho-molecular characterization of wild edible mushroom and integrated substrate treatment for healthy mushroom production **Program:** Ph.D in Plant Pathology **First enrolled:** July-December, 2018 **Name & Registration No. of Student:** Md. Nurul Islam, 0903725 **Organization:** Department of Plant Pathology, SAU, Dhaka-1207 **Position held:** Research Supervisor
Thesis Title: Morphological and pathogenic variation of *Magnaporthe oryzae* and management of rice blast through fungicides, botanicals and bioagents **Program:** Ph.D in Plant Pathology **First enrolled:** January-June, 2014 **Name & Registration No. of Student:** Lutfunnaher Laila, 26214/00505 **Organization:** Department of Plant Pathology, SAU, Dhaka-1207 **Position held:** Research Supervisor

27. Full-length Research Publications (110)

1. A. A. Meshuk, **F. M. Aminuzzaman**, M. R. Islam, K. Nahar, and A. Sharmin. 2023. Ecofriendly management of wheat panicle blast caused by *Magnaporthe oryzae triticum*. Agricultural Sciences, 14, 1751-1765. https://doi.org/10.4236/as.2023.1412113

2. D. Yesmin., M. A. K. Azad., **F. M. Aminuzzaman** and M. M. Islam. 2023. Efficacy of Plant Extracts on Morphology and Cultural Characteristics of *Bipolaris sorokiniana*, Causing Black Point Disease of Wheat in Bangladesh. American Journal of Plant Sciences, 14, 1162-1179. https://doi.org/10.4236/ajps.2023.1410079

3. M. A. Rahaman, M. S. M. Chowdhury, M. R. Islam, N. Sultana, M. R. Ali, N. Akhter, **F. M. Aminuzzaman**. 2023. *In Vitro* efficacy assessment of fungicides against *Botrytis gladiolorum* causing gladiolus leaf blight. Open Access Library Journal, 10: e10849. https://doi.org/10.4236/oalib.1110849

4. M. A. Rahaman., M. S. M. Chowdhury., M. R. Islam., N. Sultana., M. R. Ali., N. Akhter and **F. M. Aminuzzaman**. 2023. In Vitro Efficacy Assessment of Botanical Extracts against *Botrytis gladiolorum* Causing Gladiolus Leaf Blight. American Journal of Plant Sciences, 14, 1146- 1161. https://doi.org/10.4236/ajps.2023.1410078

5. M. K. Rehena, **F. M. Aminuzzaman**, M. L. Ashrafi, M.S.M. Chowdhury, U. A. Habiba, Z. Nazifa and M. Ahmed. 2022. Efficacy of Ethanol Extract of Botanicals in Controlling Wheat Blast Fungus *Magnaporthe oryzae triticum* in vitro. Nepal Journal of Biotechnology, DOI: https://doi.org/10.54796/njb.v10i2.241

6. A. Sharmin., **F. M. Aminuzzaman**., T. H. Ansari and M. Ahmed. 2022. Morphological, cultural, molecular and pathogenic variation of *Bipolaris sorokiniana* in wheat. American Journal of Molecular Biology, 12, 190-202. https://doi.org/10.4236/ajmb.2022.124016

7. M. Kumkum, **F. M. Aminuzzaman**, N. Akhtar and M. H. Ali. 2022. Prevalence of Seed-Borne Fungi Associated with Seeds of Some Selected Flowers. American Journal of Plant Sciences, 13, 778-796. https://doi.org/10.4236/ajps.2022.136053

8. M. H. Rahman, M. R. Islam, **F. M. Aminuzzaman**, K. Das, M. M. A. Patwary and M. Z. Masud. 2022. Pathogenicity test of *Sclerotium rolfsii* isolates causing foot and root rot disease of betelvine (*Piper betle* L.) Turkish Journal of Agriculture - Food Science and Technology, 10(4): 771-774. DOI: https://doi.org/10.24925/turjaf.v10i4.771-774.4520

9. K. Das, S. C. Das and **F. M. Aminuzzaman**. 2022. Environmental and Ecological Impact of Soil Microorganisms in Plant Sciences. Journal of Ecology and Natural Resources, 6(2):000273 DOI: 10.23880/jenr-16000273

10. I. Parvin, C. Mondal, S. Sultana, N. Sultana and **F. M. Aminuzzaman**. 2021. Pathological survey on early leaf blight of tomato and *In Vitro* effect of culture media, temperature and pH on growth and sporulation of *Alternaria solani*. Open Access Library Journal, 8: e7219. https://doi.org/10.4236/oalib.1107219

11. Z. Nazifa, **F. M. Aminuzzaman**, L. Laila and M. L Ashrafi. 2021. Comparative in Vitro Efficacy Assessment Methods of a Bioagent *Trichoderma harzianum* THR 4 against Rice Blast Pathogen *Magnaporthe oryzae oryzae*. Open Access Library Journal, 8: e7510. https://doi.org/10.4236/oalib.1107510

12. Z. Nazifa, **F. M Aminuzzaman**, L. Laila and M. K. Rehena. 2021. *In Vitro* Efficacy of Botanicals against Rice Blast Pathogen *Magnaporthe oryzae oryzae*. American Journal of Plant Sciences. 12, 662-678. https://doi.org/10.4236/ajps.2021.124045

13. Z. Nazifa, **F. M. Aminuzzaman**, K. Akhter, M. K. Rehena and L. Laila. 2021. Survey on Rice Blast and Morphological Characterization of *Magnaporthe oryzae oryzae.* Journal of Advances in Microbiology 21(1): 8-21, 2021; Article no. JAMB.65643. DOI: 10.9734/JAMB/2021/v21i130315

14. M. H. Rahman, M. R. Islam , **F. M. Aminuzzaman**, M. M. A. Patwary and M. F. A. Nasim. 2021. Betelvine cultivars against *Sclerotium rolfsii* causing foot and root rot disease. Bangladesh Journal of Agricultural Research 46(1): 63-69. https://doi.org/10.3329/bjar.v46i1.63314

15. M. L. Ashrafi, **F. M. Aminuzzaman**, M. K. Rehena, J. F. Tanni and M. Ahmed. 2021. Characterization of *Magnaporthe oryzae triticum* on different culture media. Open Access Library Journal, 8: e7521. https://doi.org/10.4236/oalib.1107521

16. H. Khalid, **F. M. Aminuzzaman**, K. Amit, A. A. Faria, A. I. Mitu, M. S. M. Chowdhury, J. Shammi and M. A. Khan. 2021. Evaluation of the combined application of *Purpureocillium lilacinum* PLSAU-1 and *Glomus* sp. against *Meloidogyne incognita*: implications for arsenic phytotoxicity on eggplant. European Journal of Plant Pathology. 159:139–152. https://doi.org/10.1007/s10658-020-02150-2

17. S. Razia, M. S. M. Chowdhury, **F. M. Aminuzzaman**, N. Sultana and M. Islam. 2021. Morphological, Pathological, Biochemical and Molecular Characterization of *Ralstonia solanacearum* Isolates in Bangladesh. American Journal of Molecular Biology.11, 142-164. DOI: 10.4236/ajmb.2021.114012

18. D. R. B. Sonchita, **F. M. Aminuzzaman**, A. A. Joty, J. F. Tanni, M. N. Islam and M. Rahaman. 2020. Diversity, distribution and morphological characterization of wild macro fungi from Gajni Forest. Asian Journal of Biology 9(2): 19-32. DOI: 10.9734/AJOB/2020/v9i230084

19. J. F. Tanni, **F. M. Aminuzzaman**, M. Ahmed and M. Rahaman. 2020. Diversity and distribution of macro fungi in some selected parks and gardens of Dhaka city, Bangladesh. Asian Journal of Biology 9(1): 23-43. DOI: 10.9734/AJOB/2020/v9i130076

20. M. Mubasshira, **F. M. Aminuzzaman**, N. Sultana and J. F. Tanni. 2020. Impact of Different Substrates and Mother Cultures on Yield and Yield Attributes of Oyster Mushroom (*Pleurotus ostreatus*). Asian Food Science Journal 19(3): 25-38. DOI:10.9734/AFSJ/2020/v19i330241

21. M. I. Mafia, **F. M. Aminuzzaman**, Mohammad Salahuddin Mahmood Chowdhury and Jannatul Ferdous Tanni. 2020. Occurrence, diversity and morphology of poroid wood decay by Ganoderma spp. from tropical moist deciduous forest region of Bangladesh. Journal of Agriculture and Natural Resources 3(2): 160-174. DOI: https://doi.org/10.3126/janr.v3i2.32498

22. A. A. Joty, **F. M. Aminuzzaman**, N. Sultana, A. Tanjina, D. R. B. Sonchita and M. N. Islam. 2020. Diversity, distribution and morphology of wild mushrooms collected from gajni forest of Bangladesh. International Journal of Environment 9(2): 234-255. DOI: http://dx.doi.org/10.3126/ije.v9i2.32843

23. Salma Sarker, Abdullah Hel Mafi, Nirod Chandra Sarker, Rumana Momotaz, Bodrun Nessa Shompa and **F. M. Aminuzzaman**. 2020. Vermicompost-enriched Substrate Improves the Production of Milky Mushroom (*Calocybe indica*). Asian Journal of Agricultural and Horticultural Research 7(1): 38-49. DOI:10.9734/AJAHR/2020/v7i130088

24. M. H. Rahman, M. R. Islam, **F. M. Aminuzzaman**, Abdul Latif and H. Rahman. 2020. Physio-morphological

Study of Betel Vine (*Piper betle* L.) Cultivars Available in Bangladesh. The Agriculturists 18(1): 56-65. DOI: https://doi.org/10.3329/agric.v18i1.49459

25. M. H. Rahman, M. R. Islam, **F. M. Aminuzzaman**, A, Latif and H. Rahman. 2020. Survey on Foot and Root Rot Disease of Betel Vine (*Piper betle* L.) under Prevailing Environmental Condition. The Agriculturists 18(1): 26-30. DOI: https://doi.org/10.3329/agric.v18i1.49456

26. A. H. Anik, F. Begum, **F. M. Aminuzzaman**, M. J. Hossain, N. Chakma, and S. M. N. S. Shahin. 2020. Effect of Different Planting Time on Tomato Yellow Leaf Curl Virus (TYLCV) of Tomato and Its Impact on Yield in Bangladesh. International Journal of Environment, Agriculture and Biotechnology 5(4): 907-915. https://dx.doi.org/10.22161/ijeab.54.10

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28. Short communication (1)

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29. Book, book chapter and review article (8)

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VIII. D. Yesmin, N. Akhtar and **F. M. Aminuzzaman**. 2012. Black pointed wheat seeds and leaf blight (*Bipolaris sorokiniana*) severity. Lap Lambert Academic Publishing, Germany.

30. Abstract (7)

i. **F. M. Aminuzzaman**, S. N. Jahan, J. Shammi, A. I. Mitu and X. Z. Liu. 2015. Screening of fungi associated with eggs and females of root-knot nematodes in Bangladesh and their biocontrol potential.VI International Conference on Environmental, Industrial and Applied Microbiology from October 28 to October 30, 2015, University of Barcelona, Spain, supported by The world Academy of Sciences (TWAS, Italy).

ii. **F. M. Aminuzzaman**, J. Shammi and X. Z. Liu. 2014. Evaluation of root-knot nematode suppression by a biocontrol agent *Purpureocillium lilacinum*, a chemical nematicide fosthiazate and their combination in eggplant. A paper presented on 2014 TWAS symposium, Institute of Microbiology, Beijing, P. R. China.

iii. **F. M. Aminuzzaman** and X. Z. Liu. 2011. Biological control potentiality of *Paecilomyces lilacinus* newly recorded from Bangladesh. A paper presented on 2011 TWAS-ROESEAP symposium on industrial biotechnology, Towards a bio-based economy of developing countries, August 26-30, 2011, Beijing, China.

iv. **F.M. Aminuzzaman**., J. Shammi and X.Z. Liu. 2011. Dose response of granular formulation of biocontrol agent *Paecilomyces lilacinus* against root knot (*Meloidogyne* spp.) of brinjal and tomato. A poster presented on 2011 TWAS-ROESEAP symposium on industrial biotechnology, Towards a bio-based economy of developing countries, August 26-30, 2011, Beijing, China.

v. **F. Aminuzzaman**, W.J. Duan, H.Y. Xie and X.Z. Liu. 2009. Biological control of the root-knot nematode *Meloidogyne incognita* by alginate pellets of *Paecilomyces lilacinus* and *Pochonia chlamydosporia*. Journal of Nematology 41 (4), 302-302.

vi. Mridha, M.A.U., Akhtar, B., Saha, N.K. and **Aminuzzaman, F. M.** 2008. Role of Arbuscular Mycorrhiza in crop growth in arsenic amended soil. A poster was presented in the 20th New Phytologist Symposium, University of Aberdeen, Scotland, U.K. 26-27 June, 2008.

vii. **F. M. Aminuzzaman** and I. Hossain.2006. Pathotype variation of *Bipolaris sorokiniana* on wheat in Bangladesh. International Symposium on Agriculturally Important Microorganisms: Conservation, Utilization, Bioremediation and Ecological Significance. 23-25 February, 2006. Indian Mycological Society, Department of Botany, University of Calcutta, Kolkata. India, P.6.

31. Report

i. **F. M. Aminuzzaman**. 2008. Potentiality of plant extracts in controlling leaf blight (*Bipolaris sorokiniana*) of wheat. The Third Biennial Report of the Sher-e-Bangla Agricultural University Research System (SAURES, 2006-2007), Sher-e-Bangla Agricultural University, Dhaka P.21.

ii. **F. M. Aminuzzaman**. 2005. Effect of indigenous plant extracts on *Bipolaris sorokiniana* and seedling growth of wheat. The Second Biennial Report of the Sher-e-Bangla Agricultural University Research System (SAURES, 2004-2005), Sher-e-Bangla Agricultural University, Dhaka. P. 14.

32. My Thesis

i. **Postdoc.** 2009: Biological control of root knot nematodes. Key Laboratory of Systematic Mycology and Lichenology, Institute of Microbiology, Chinese Academy of Sciences, Beijing, P.R.China.

ii. **Ph.D** 2005: Induction of resistance to wheat against leaf spot (*Bipolaris sorokiniana*). Department of Plant Pathology, BAU, Mymensingh, Bangladesh.

iii. **M.S.** 1999: Comparative effect of recommended and yield targeted fertilizer application on leaf spot (*Bipolaris sorokiniana*) and grain formation of wheat. Department of Plant Pathology, BAU, Mymensingh, Bangladesh.

33. Computer Skills

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

34. Recent Activities

I. Participated against discrimination at SAU on 18 July 2024.
II. Participated against discrimination at SAU on 01 August 2024.

III. Participated in rice seedling and chicken distribution program in the flood-affected area of Brahmanpara, Cumilla on 27 September 2024.

IV. Participated in vegetable seedling and chicken distribution program in the flood-affected area of Fulgazi, Feni on 27 September 2024.

35. Referee

My MS and Ph.D Supervisor

Dr. Ismail Hossain
Professor
Room # 516 | Ext # 545
IUBAT
Dhaka
E-mail: ismail.hossain@iubat.edu
Mobile: 01711423009

My Postdoc Supervisor

Professor Xingzhong Liu, Ph.D.
Nankai University
P.R.China
E-mail: liuxz@nankai.edu.cn

liuxz@sun.im.ac.cn

Signature

Date of Signing 11.12.2024
Day / Month / Year