



Contact:-
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Resume of Prof. Dr. Md. Belal Hossain

Expertise in:

- ✦ Basic Molecular Biology techniques (Gene cloning, Blots, PCR, Gene sequencing & transformation etc.)
- ✦ RNA interference/gene silencing
- ✦ Mammalian cell culture, transfections
- ✦ Virus transmission, replication, detection, characterization
- ✦ Molecular basis of plant virus resistance
- ✦ Virus free synthetic seed production (Cole crops)
- ✦ Immunofluorescence, immunohistochemistry, confocal microscopy
- ✦ Molecular characterization of plant pathogenic fungi and Induce resistance
- ✦ Identification of one novel fungal pathogen responsible for *Genoderma* wilt in coconut plant
- ✦ Development of Bio-agents based management packages
- ✦ Pest Risk Analysis (PRA) as a Plant Pathologist

Date of Birth :	21 st August, 1980	Nationality:	Bangladeshi
Languages :	Speaking	Reading	Writing
Bangla	Mother Tongue	Excellent	Excellent
English	Excellent	Excellent	Excellent
Arabic	Good	Excellent	Good
Urdu/Hindi	Good	Poor	Poor

Academic Background:

- ❖ **PhD in Molecular Biology**, Under CEMB-TWAS Postgraduate Fellowship Program, Triesty Italy and National Centre of Excellence in Molecular Biology (CEMB), 2014.
- ❖ PhD Research work: Entitled “**Post Transcriptional Gene Silencing (PTGS) through siRNA of Potato Leaf Roll Virus (PLRV) in Potato (*Solanum tuberosum* L.)**”.
- ❖ PhD course works: I have taken the following courses in my PhD program- Molecular Biology & Plant Molecular Biology, Cell Biology, Introduction of Stem Cell and Physiology of Different diseases, Medical Genetics, Biotechnology, Molecular Virology, Bioinformatics, Introduction of Biosafety, Introduction of GMOs, PCR and Real-Time PCR.
- ❖ **MS in Plant Pathology**, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, 2006. MS thesis entitled “**Management of Fusarium and Nemic wilts of Tomato by Grafting, Soil amendment, Chemicals and Bio-agent (*Trichoderma harzianum*)**”.
- ❖ Bachelor of Science in Agriculture (Hons.), Sher-e-Bangla Agricultural University (SAU), 2001 (held in 2004).

Professional Experience:

- ❖ Present position: Grade-2 Professor, 21st July, 2022 to present
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.
- ❖ Position: Professor, 21st July, 2018 to 20 July, 2022
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.
- ❖ Position: Associate Professor, 21st July, 2014 to 20 July, 2018
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.
- ❖ Position: Assistant Professor, 1st June, 2008 to 20 July, 2014
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.
- ❖ Position: Lecturer, 1st June, 2006 to 31 May, 2008
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.
- ❖ Position: Par-time Lecturer, 31st August, 2005 to 31 May, 2006
Department of Plant Pathology, Sher-e-Bangla Agricultural University
Dhaka-1207, Bangladesh.

Administrative Experience:

- ❖ Position: Director, Institute of Seed Technology, 08 September, 2024 to Present, Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.
- ❖ Position: Chairman, 20 February, 2016 to 19 February, 2018, Department of Plant Pathology Sher-e-Bangla Agricultural University, Dhaka-1207, Bangladesh.

Experiences in Supervising (MS & PhD):

Supervising PhD Student

1. Thesis title: Molecular Characterization of *Alternaria* species and Integrated Management of Grey Blight of Mustard
Program: PhD in Plant Pathology
Publication year: December, 2021
Name & Registration No. of Student: Md. Humayun Kabir & 19-10138
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor and Chairman of Advisory Committee
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
2. Thesis title: Morpho-Molecular Characterization of Pathogenic Fungi and Bacteria Caused Diseases in Watermelon and their Management through Good Agricultural Practices (GAP)
Program: PhD in Plant Pathology
Publication year: Ongoing
Name & Registration No. of Student: Abu Jafor Mohammad Moin Uddin & 26176/00470
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor and Chairman of Advisory Committee
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

3. Thesis title: Morpho-Molecular Identification, Characterization of Potential Biocontrol Agents Isolated from Rhizospheric Soil and Formulation as Native Biopesticides
Program: PhD in Plant Pathology
Publication year: Ongoing
Name & Registration No. of Student: Md. Hasan Ali & 03-01190
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor and Chairman of Advisory Committee
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

Supervising MS Student

1. Thesis title: Molecular Characterization of *Ralstonia Solanacearum* Isolated from Selected BARI Potato Varieties and their Phylogenetic Analysis
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Mushfiqua Nazneen & 16-07128
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.
2. Thesis title: Prevention of *Tomato yellow leaf curl virus (TYLCV)* Using Plant Immunity Protein (Protolong)
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Shirin Sultana & 16-07121
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.
3. Thesis title: Bio-organic Management of Wilt Complex in Summer Tomato Cultivation through Biofortified Soil
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Tajmery Khan Jebin & 16-07147
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.
4. Thesis title: Evaluation the Status of Commercial Hybrids Maize in Response to Transmit the Viruses causing Maize Lethal Necrosis Disease (MLND)
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Sharmin Sultana & 21-010071
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.

5. Thesis title: Integrated Strategies for Disease Management through Innovative Land Arrangement in Combination of Rice Grown with Okra under Raised and Sunken Bed (RSB) Systems
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Md. Rocky & 15-06729
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.
6. Thesis title: Varietal Screening of Country Bean against *Bean common mosaic virus (BCMV)*
Program: Master of Science in Plant Pathology
Publication year: June, 2023
Name & Registration No. of Student: Asif Kamran & 16-07110
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works.
7. Thesis title: Incidence and Severity of Brown Spot (BS), Bacterial Leaf Blight (BLB) and Tungro Disease in Mostly Cultivated Hybrid and Inbred Rice Varieties in Bangladesh
Program: Master of Science in Plant Pathology
Publication year: June, 2014
Name & Registration No. of Student: Sania Akter Rozy & 13-05752
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected field crop and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
8. Thesis title: Varietal Screening of Okra against *Yellow Vein Clearing Mosaic Virus (YVCMV)*
Program: Master of Science in Plant Pathology
Publication year: June, 2014
Name & Registration No. of Student: Amit Partho Sarker & 13-05760
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
9. Thesis title: Evaluation of Tomato Genotypes against *Tomato Yellow Leaf Curl Virus (TYLCV)*
Program: Master of Science in Plant Pathology
Publication year: June, 2015
Name & Registration No. of Student: Syed Md. Sydujjaman & 09-03437
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

10. Thesis title: Selection for Resistance Varieties of Okra to *Yellow Vein Clearing Mosaic Virus (YVCMV)* and Its Management through Peak Performance Nutrients, Imidacloprid and Sobicrone
Program: Master of Science in Plant Pathology
Publication year: June, 2015
Name & Registration No. of Student: Md. Kazi Abu Sayed & 14-06309
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
11. Thesis title: Virus Free Plantlet Production of Potato (*Solanum tuberosum* L.) through Meristem Culture
Program: Master of Science in Plant Pathology
Publication year: December, 2015
Name & Registration No. of Student: Md. Harun-Or-Rashid & 09-03373
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected tuber crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
12. Thesis title: Management of *Mungbean Yellow Mosaic Virus (MYMV.)* through Peak Performance Nutrient (PPN) and some Selected Insecticides to Control the Insect Vector
Program: Master of Science in Plant Pathology
Publication year: December, 2015
Name & Registration No. of Student: Md. Shaidul Islam & 10-03829
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected pulse crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
13. Thesis title: Prevalence of Panama Disease of Banana in some Selected Districts of Bangladesh and its Management
Program: Master of Science in Plant Pathology
Publication year: June, 2016
Name & Registration No. of Student: Md. Abdur Rashid & 15-06973
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected fruit. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
14. Thesis title: Efficacy of Imidacloprid and ACmix to Prevent *Mungbean Yellow Mosaic Virus (MYMV)*
Program: Master of Science in Plant Pathology
Publication year: June, 2017
Name & Registration No. of Student: Jesmin Nahar Joly & 11-04309
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected pulse crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

15. Thesis title: Evaluation of Different Doses of Two Selected Insecticides for Controlling the Insect Vector (Whitefly) of *Okra yellow vein mosaic virus (OYVMV)*.
Program: Master of Science in Plant Pathology
Publication year: June, 2017
Name & Registration No. of Student: Md. Hasibur Rahman & 10-03932
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
16. Thesis title: Occurrence and Incidence of Major Potato Viruses in Bangladesh and their Detection through ELISA Test.
Program: Master of Science in Plant Pathology
Publication year: June, 2017
Name & Registration No. of Student: Md. Mamunur Rashid & 11-04400
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected tuber crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
17. Thesis title: Management of *Tomato Yellow Leaf Curl Virus (TYLCV)* through Insecticides, Botanicals and Silver Metallic Plastic Mulch
Program: Master of Science in Plant Pathology
Publication year: June, 2017
Name & Registration No. of Student: Somiya Akter & 11-04394
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
18. Thesis title: Callus Induction and Virus Free Potato Mini-tuber Production through Meristem Culture
Program: Master of Science in Plant Pathology
Publication year: December, 2017
Name & Registration No. of Student: Sayma Serine & 16-07569
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
19. Thesis title: ELISA-Based Screening of Tomato Varieties against *Tomato Yellow Leaf Curl Virus (TYLCV)*
Program: Master of Science in Plant Pathology
Publication year: December, 2017
Name & Registration No. of Student: Md. Kawser & 12-04865
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

20. Thesis title: A Comparative Analysis of Culture Media for Optimizing the Mycelial Growth and Sporulation of *Pyricularia oryzae* Cause Blast Disease of Rice and Its Control by Using Potassium Silicate
Program: Master of Science in Plant Pathology
Publication year: June, 2018
Name & Registration No. of Student: Mst. Aysha Akter & 12-04848
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of rice blast disease and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
21. Thesis title: Molecular characterization, PCR-Based Cloning, and Sequencing of Coat-Protein Gene of a Bangladeshi Potato Leaf Roll Virus (PLRV) isolate and Its Phylogenetic Analysis.
Program: Master of Science in Plant Pathology
Publication year: June, 2018
Name & Registration No. of Student: Ratna Akter & 12-04856
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected tuber crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
22. Thesis title: Incidence of *Potato Virus Y* (PVY) in Selected Districts of Bangladesh and Its Molecular Detection
Program: Master of Science in Plant Pathology
Publication year: June, 2018
Name & Registration No. of Student: Kaniz Fatema & 12-04872
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected tuber crop. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
23. Thesis title: Occurrence and Incidence of Coconut Diseases in Coastal Area of Bangladesh and Development of Prophylactic and Curative Bio-control Based Management Package against *Genoderma* wilt in Coconut
Program: Master of Science in Plant Pathology
Publication year: December, 2018
Name & Registration No. of Student: Sumona Rahman & 17-08254
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
24. Thesis title: Investigation of Varietal Performance against *Okra Yellow Mosaic Virus* (OYMV) and Its Management by Controlling the Insect Vector with Imidacoprid and Light reflecting Silver Color Mulch
Program: Master of Science in Plant Pathology
Publication year: December, 2018
Name & Registration No. of Student: Md. Shariful Islam & 12-04879
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected vegetable. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

25. Thesis title: Growth and Sporulation of *Pyricularia oryzae* Cause Blast Disease of Rice and Its Management Using Selected Phytochemicals *in-vitro*
Program: Master of Science in Plant Pathology
Publication year: December, 2019
Name & Registration No. of Student: Mst. Afsana Akter & 18-09014
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of rice blast disease and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
26. Thesis title: Prevalence and Incidence of Basal Stem Rot Disease of Coconut in Selected Coastal Regions of Bangladesh and Its *in-vitro*
Management Program: Master of Science in Plant Pathology
Publication year: December, 2018
Name & Registration No. of Student: Rabeya Busri Rodela & 17-08253
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
27. Thesis title: Assessment of Varietal Performance of Tested Tomato Varieties against *Tomato Yellow Leaf Curl Virus (TYLCV)* and Its Molecular Detection through PCR
Management Program: Master of Science in Plant Pathology
Publication year: June, 2020
Name & Registration No. of Student: Md. Ibne-Siam-Joy & 13-05417
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
28. Thesis title: Prevalence and Severity of Major Potato Viruses in Selected Northern Regions of Bangladesh and its Molecular Detection through RT-PCR
Management Program: Master of Science in Plant Pathology
Publication year: June, 2020
Name & Registration No. of Student: Mst. Shahana Sultana & 13-05408
Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University
Position held: Research Supervisor
Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.
29. Thesis title: Assessment of Mostly Cultivated Boro Rice Varieties against Rice Blast Caused by *Magnaporthe oryzae* and Establishment of Koch's Postulate through Pathogenesis
Management Program: Master of Science in Plant Pathology
Publication year: June, 2020
Name & Registration No. of Student: Shammy Akter & 13-05470

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

30. Thesis title: Effect of Time of Sowing on Disease Incidence of *Okra Yellow Vein Mosaic Virus (OYVMV)* and Its Management through Selected Insecticides and Light Reflecting Colored Mulches

Management Program: Master of Science in Plant Pathology

Publication year: June, 2020

Name & Registration No. of Student: Suraiya Jitu & 13-05315

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

31. Thesis title: Efficacy of Selected Modern Phyto- Chemicals and *Trichoderma Harzianum* against The Pathogen of Sclerotium Root Rot Disease Responsible for Sugarbeet Decline

Management Program: Master of Science in Plant Pathology

Publication year: December, 2020

Name & Registration No. of Student: A. K.M Arif-UZ-Zaman & 18-09100

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

32. Thesis title: Sclerotium Root Rot of Sugarbeet (*Beta Vulgaris L.*): Incidence, Severity and Its *In-Vitro* Control through Chemical, Botanical and Biological Means

Management Program: Master of Science in Plant Pathology

Publication year: December, 2020

Name & Registration No. of Student: Sabjana Akter & 18-09160

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

33. Thesis title: Evaluation of Compatible Bio-agents and Selected Botanicals against Rhizome Rot Disease of Ginger

Management Program: Master of Science in Plant Pathology

Publication year: December, 2020

Name & Registration No. of Student: Sharmin Murshida Moury & 18-09162

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

34. Thesis title: Field observation of Selected Mungbean Cultivars against *Mungbean Yellow Mosaic Virus (MYMV)* and Its Molecular Detection

Management Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Tanjila Hasan & 13-05457

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

35. Thesis title: Transmission of Viruses Causing Maize Lethal Necrosis Disease (MLND) through Seed in Commercial Hybrids and their Molecular Detection through RT-PCR

Management Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Rubaiya Islam & 13-05443

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

36. Thesis title: Development of Resistance System in Rice Plant against Blast Disease Caused by *Magnaporthe oryzae* Using Selected Novel Chemicals

Management Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Zarin Rafa Urbi & 14-05909

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

37. Thesis title: Screening of Selected Rice Varieties against Tungro Disease Caused by *Rice Tungro Viruses*

Management Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Danish Mahmud & 14-06196

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

38. Thesis title: Evaluation of Different Planting Methods against Major Diseases of Selected Boro Rice Varieties

Management Program: Master of Science in Plant Pathology

Publication year: December, 2021

Name & Registration No. of Student: Abu Jafor Mohammad Moin Uddin & 26216/00470

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

39. Thesis title: Organic Management of Wilt Complex and Tomato Yellow leaf Curl Virus in Summer Tomato Using Bio-agents, Botanicals and Agro-Bioproducts Fortified Soil

Management Program: Master of Science in Plant Pathology

Publication year: December, 2021

Name & Registration No. of Student: Md. Ariful Islam & 19-10294

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

40. Thesis title: Evaluation of Different Bio-agents and Botanicals against Leaf Curl Disease of *Capsicum (Capsicum annum)*

Management Program: Master of Science in Plant Pathology

Publication year: December, 2021

Name & Registration No. of Student: Atikiya Rahman Mithi & 19-10252

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Supervisor

Activities Performed: Provided services as Supervisor for planning, designing and implementation of the research works on the different aspects of selected palm tree. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

41. Thesis title: Seed Borne Fungi Associated with Four Selected Rice Varieties of Bangladesh and their Influence on Seed Health and Seedling Vigor

Program: Master of Science in Plant Pathology

Publication year: June, 2014

Name & Registration No. of Student: Jannatul Kustary & 13-05755

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works on the different aspects of rice seed selection and collection. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

42. Thesis title: Seed Health Status of Commonly Used Three Selected Hybrid Maize Varieties in Bangladesh

Program: Master of Science in Plant Pathology

Publication year: June, 2014

Name & Registration No. of Student: Mohammad Ali Jinnah & 13-05771

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works on the different aspects of maize seed selection and collection. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

43. Thesis title: Biodiversity, Distribution and Morphological Characterization of Mushrooms in the South Western Region of Bangladesh

Program: Master of Science in Plant Pathology

Publication year: June, 2015

Name & Registration No. of Student: Md. Mostafizur Rahaman &

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works on the different aspects of mushrooms collection from selected region. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

44. Thesis title: Screening of Mungbean Cultivars against *Mungbean Yellow Mosaic Virus (MYMV)* and Its Management

Program: Master of Science in Plant Pathology

Publication year: June, 2015

Name & Registration No. of Student: Md. Soreful Islam & 09-03438

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works on the different aspects of selected pulse crop and its management. Services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

45. 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 & 10-03929

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

46. 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, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

47. Thesis title: Surveillance on Disease Incidence and Severity of *Papaya ringspot virus* at Selected Location of Bangladesh.

Program: Master of Science in Plant Pathology

Publication year: June, 2016

Name & Registration No. of Student: Nishan Chakma & 09-03501

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

48. 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, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

49. Thesis title: Prevalence of Watermelon (*Citrullus vulgaris*) Diseases in Patuakhali District

Program: Master of Science in Plant Pathology

Publication year: December, 2016

Name & Registration No. of Student: Md. Moazzem Hosen & 15-06900

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

50. Thesis title: Effect of different mulches on *Tomato Yellow Leaf Curl Virus (TYLCV)* and its impact on yield of tomato

Program: Master of Science in Plant Pathology

Publication year: June, 2017

Name & Registration No. of Student: S. M. Nazmus Sakib Shahin & 10-04103

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

51. Thesis title: Biodiversity of Macro fungi in some selected parks and gardens of Dhaka City

Program: Master of Science in Plant Pathology

Publication year: June, 2017

Name & Registration No. of Student: Jannatul Ferdouse Tanni & 11-04371

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

52. Thesis title: Effect of different sowing time on viral disease incidence and severity of pumpkin collection from four districts of Bangladesh

Program: Master of Science in Plant Pathology

Publication year: June, 2017

Name & Registration No. of Student: Saima Sadia & 11-04427

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

53. Thesis title: Determining the Occurrence and Distribution of Viruses Causing Diseases in Pumpkin for Developing Effective Management Strategies

Program: Master of Science in Plant Pathology

Publication year: June, 2018

Name & Registration No. of Student: Tomanina Binte Rahmatullah & 11-04657

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

54. Thesis title: Integrated Approach for the Management of Wilt Complex Disease of Eggplant

Program: Master of Science in Plant Pathology

Publication year: June, 2018

Name & Registration No. of Student: Nahida Akter & 11-04480

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

55. Thesis title: Integrated Approach for the Management of Wilt Complex Disease of Tomato

Program: Master of Science in Plant Pathology

Publication year: June, 2018

Name & Registration No. of Student: Rubina Tasnin & 12-04916

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

56. Thesis title: Mango Value Chain Analysis for Detecting Factors Responsible for Post-harvest Diseases

Program: Master of Science in Plant Pathology

Publication year: June, 2018

Name & Registration No. of Student: Md. Mhafuzur Rahman & 12-04753

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

57. Thesis title: Assessment of Wheat Blast Intensity in South-West of Bangladesh and Characterization of

Magnaporthe oryzae on Different Culture Media

Program: Master of Science in Plant Pathology

Publication year: December, 2018

Name & Registration No. of Student: Mst. Laila Ashrafi & 17-8256

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

58. Thesis title: Biodiversity, 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 & 13-05284

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

59. Thesis title: Prevalence of Chilli Varieties against *Chilli Leaf Curl Virus (ChLCV)*

Program: Master of Science in Plant Pathology

Publication year: June, 2020

Name & Registration No. of Student: Samsun Naher & 13-05579

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

60. Thesis title: Varietal Performance of Widely Cultivated Soybean Varieties in Bangladesh against Major Diseases under Field Condition

Program: Master of Science in Plant Pathology

Publication year: June, 2020

Name & Registration No. of Student: Ashfakur Rahman & 13-05637

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

61. Thesis title: Management of Purple and White Blotch of Onion Using Chemicals, Micronutrients and Botanicals

Program: Master of Science in Plant Pathology

Publication year: December, 2020

Name & Registration No. of Student: Salvea Aman Kanta & 18-09110

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

62. Thesis title: Screening of Selected Potato Varieties for Viruses (*PLPV* and *PLY*) through Growth Characteristics and ELISA Test

Program: Master of Science in Plant Pathology

Publication year: December, 2020

Name & Registration No. of Student: Mst. Israt Zereen & 25137/00585

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

63. Thesis title: Management of Powdery Mildew Disease of Bottle Gourd (*Lagenaria siceraria*) Using Potassium and Sulphur Containing Modern Phyto-Chemicals

Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Sangita Sharmin & 13-05553

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

64. Thesis title: Cultural Characterization and Pathogenicity of Fungi Associated with the Spoilage Postharvest Tomato

Fruits in Different Local Markets of Dhaka City

Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Radia Fahmin Rima & 14-06237

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

65. Thesis title: Influence of Substrate Supplements on Contamination, Growth and Yield of oyster Mushroom (*Pleurotus ostreatus*)

Program: Master of Science in Plant Pathology

Publication year: June, 2021

Name & Registration No. of Student: Md. Mehedi Hasan & 19-10032

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

66. Thesis title: Field Response of Kohlrabi Varieties against Major fungal and Viral Diseases

Program: Master of Science in Plant Pathology

Publication year: December, 2021

Name & Registration No. of Student: Tasmery Khan & 19-10340

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

67. Thesis title: Evaluation of Selected Soybean Varieties against Soybean Mosaic Diseases

Program: Master of Science in Plant Pathology

Publication year: December, 2021

Name & Registration No. of Student: Md. Tohidur Rahman & 19-10292

Organization: Department of Plant Pathology, Sher-e-Bangla Agricultural University

Position held: Research Co-supervisor

Activities Performed: Provided services as co-supervisor for planning, designing and implementation of the research works and services also provided for collecting, processing of data as well as preparation and presentation of thesis as per academic rules.

Experiences in Pest Risk Analysis (PRA) as Plant Pathologist:

1. PRA title: Pest risk Analysis (PRA) of Latikochu (Taro) in Bangladesh

Program: Tuber Crops Development Project (TCDP), DAE

Publication year: June, 2022

Organization: DAE and Center for Resource Development studies Ltd. (CRDS)

Position held: Plant Pathologist

Activities Performed: Provided services as subject specialist for planning, designing and implementation of the PRA works and services also provided for collecting, processing of data as well as preparation and presentation of the final report as per PRA rules.

2. PRA title: Pest risk Analysis (PRA) of Taro/Eddoe in Bangladesh

Program: Tuber Crops Development Project (TCDP), DAE

Publication year: June, 2023

Organization: DAE and Center for Resource Development studies Ltd. (CRDS)

Position held: Plant Pathologist

Activities Performed: Provided services as subject specialist for planning, designing and implementation of the PRA

works and services also provided for collecting, processing of data as well as preparation and presentation of the final

report as per PRA rules.

3. PRA title: Pest risk Analysis (PRA) of Elephant Foot Yam in Bangladesh

Program: Tuber Crops Development Project (TCDP), DAE

Publication year: June, 2023

Organization: DAE and Center for Resource Development studies Ltd. (CRDS)

Position held: Plant Pathologist

Activities Performed: Provided services as subject specialist for planning, designing and implementation of the PRA works and services also provided for collecting, processing of data as well as preparation and presentation of the final

final

report as per PRA rules.

4. PRA title: Pest risk Analysis (PRA) of Pineapple in Bangladesh

Program: Fruits, Vegetables and Cereal Crops Development Project (FVCCDP), DAE

Publication year: June, 2024

Organization: DAE and Center for Resource Development studies Ltd. (CRDS)

Position held: Plant Pathologist

Activities Performed: Provided services as subject specialist for planning, designing and implementation of the PRA works and services also provided for collecting, processing of data as well as preparation and presentation of the final

final

report as per PRA rules.

5. PRA title: Pest risk Analysis (PRA) of Watermelon in Bangladesh

Program: Fruits, Vegetables and Cereal Crops Development Project (FVCCDP), DAE

Publication year: June, 2023

Organization: DAE and Center for Resource Development studies Ltd. (CRDS)

Position held: Plant Pathologist

Activities Performed: Provided services as subject specialist for planning, designing and implementation of the PRA works and services also provided for collecting, processing of data as well as preparation and presentation of the final

report as per PRA rules.

Other Professional Activities:

- ❖ Review editor of Frontiers International Journal.
- ❖ Selected reviewer of Achieve of Plant Protection International Journal.
- ❖ Selected reviewer of BANBEIS, Ministry of Education, People Republic of Bangladesh.
- ❖ Selected reviewer of SAARC Agricultural Journal, SAARC Agricultural Centre, Bangladesh.
- ❖ Selected reviewer of Bangladesh Journal of Agriculture (BJA), Bangladesh Agricultural Research Council (BARC) Farmgate, Dhaka-1215.
- ❖ Suggested reviewer of SCIEMCEDOMAIN Journal of British Biotechnology.
- ❖ Online reviewer of Technical Expert Network (TEN)
- ❖ Member of American Association for Science and Technology (AASCIT), USA.
- ❖ Member of Athens Institute for Education & Research (ATINER), Greece.
- ❖ Member, Executive Committee, Sher-e-Bangla Agricultural University Teachers' Association (SAUTA).
- ❖ Member, Academic Council, Sher-e-Bangla Agricultural University (SAU).
- ❖ Member, Dean Executive Committee, Faculty of Agriculture, SAU.

- ❖ Member, Krishibid Institution of Bangladesh (KIB)
- ❖ Member of Bangladesh Journal of Plant Tissue Culture and Biotechnology (BAPTC&B)
- ❖ .Life Member, Bangladesh Phychopathological Society
- ❖ Life Member, Sher-e-Bangla Agricultural University Alumni Association.
- ❖ Editorial Board Member of Science and Technology Centre (STC) Agriculture and Natural Resources Journal.
- ❖ Editorial Board Member of Science Research Association, a global academic organization.
- ❖ Editorial Board Member of African Journal of Agricultural Sciences.
- ❖ Editorial Board Member of Bangladesh Journal of Agriculture and Socioeconomic.
- ❖ Associate Editor of Sumerianz Journal of Biotechnology

Attended in International Scientific Program:

- ❖ BAS-AASSA WEBINAR, Plastic Pollution: Causes, Effects and Solution. The conference have been held from 29 to 30 May 2021 through the Zoom platform.
- ❖ ASM-AAAS-TWAS Regional Course on Science Diplomacy. The course have been held from 16 to 19 March 2021 through the Zoom platform.
- ❖ International Plant Tissue Culture & Biotechnology Conference on Biotechnology for food Security and Environment,, on February, 8-10, 2020, Dhaka University, Bangladesh.
- ❖ Workshop on Water and Climate X Change (W&CXC) to enhanced understanding in the field of Climate Change, Water Management and Food Security, 21st March, 2019, Wageningen, Netherland UR Project office Dhaka, Bangladesh.
- ❖ Seminar on Ethics in Scientific Research, organized by the Bangladesh Academy of Sciences (BAS) and the Centre for Ethics Education (CEE), 04 March, 2019, NMST, Agargaon, Dhaka, Bangladesh.
- ❖ 3rd ICSD International Conference on Sustainable Development Towards Creating a Green Future, 19-20 February, 2019, UIU, Dhaka, Bangladesh.
- ❖ A theoretical course on “RNA Structure and Function”, from 29 March- 1st April 2010, Trieste-Italy.
- ❖ Training course on Microarray Technology for Gene Discovery & Expression”, October 05-09, 2009 at Centre of Excellent in Molecular Biology (CEMB), University of Punjab, Lahore, Pakistan.
- ❖ International Symposium on “Applications of Biotechnology in Health and Agriculture”. 28 March, 2012 Faisalabad, Pakistan.
- ❖ International Symposium on “Biotechnology Applications in new Emerging Fields”. December 21-23, 2010, Lahore, Pakistan.
- ❖ International Plant Tissue Culture & Biotechnology Conference on March 1-3, 2014, Dhaka University, Bangladesh.
- ❖ International Conference on “Agriculture Biotechnology and Climate Change” November 25-27, 2016, Dhaka University, Bangladesh.
- ❖ SARRC study tour in India and Nepal, October - December 2003.

Attended in National Scientific Program:

- ❖ Workshop on “Intellectual Property Right” on June 21, 2021, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
- ❖ 4th Young Scientist Congress on “Young Scientists for Achieving Sustainable Development Goals (SDGs)” on 13-15 December,2019, National Museum of Science and Technology, Dhaka, Bangladesh.
- ❖ 3rd Young Scientist Congress on “Challenging Research by Young Scientists” on 14-15 September, 2018. National Museum of Science and Technology, Dhaka, Bangladesh.
- ❖ World DAN DAY Conference on DNA and Genome Research for Sustainable Development in Agriculture and Health, 02-03 May, 2019, University of Rajshahi, Bangladesh.

- ❖ Inception Workshop on the Research Project “Understanding the Difference between Climate Finance and Overseas Development Assistance: The Case of Bangladesh” on 9 June, 2017, ESM-North South University, Dhaka, Bangladesh.
- ❖ Consultation Workshop on “State and Trend of Climate Finance Flow in Bangladesh” on 31st May 2017, Surma Hall, Pan-Pacific Sonargaon Hotel, Dhaka. Bangladesh.
- ❖ Daylong Workshop on “Solar Radiation Management through Geo-engineering (SMRGI)” on 27 February, 2017, Dhaka. Bangladesh.
- ❖ Workshop on “Cotton Research in Bangladesh” on June 28-29, 2016, Cotton Development Research Wing, DAE, Dhaka, Bangladesh.
- ❖ Daylong Workshop on “Plant Pathological Research in Bangladesh: Progress, Challenges and Future Strategies” organized by Bangladesh Phytopathological Society, Bangladesh Agricultural Research Institute, Gazipur held on April, 2016.
- ❖ Conference on “Molecular Cytogenetic” organized by Bangladesh Breeding Society, Bangladesh Agricultural Research council (BARC), Bangladesh, held on 30 January, 2016.
- ❖ Workshop on “Course Content Development of B. Sc. Ag (Hons.) for Faculty of Agriculture ” Jointly organized by University Grants Commission of Bangladesh and Sher-e-Bangla Agricultural University (SAU) under Higher Education Quality Enhancement Sub-Project held at SAU Seminar Room, on March, 2015.
- ❖ Workshop on “Course Curriculum Development of B. Sc. Ag (Hons.) for Faculty of Agriculture ” Jointly organized by University Grants Commission of Bangladesh and Sher-e-Bangla Agricultural University (SAU) under Higher Education Quality Enhancement Sub-Project held at SAU Seminar Room, on May, 2016.
- ❖ Workshop on “Bloom’s Taxonomy” Jointly organized by University Grants Commission of Bangladesh and Sher-e-Bangla Agricultural University (SAU) under Higher Education Quality Enhancement Sub-Project held at SAU Seminar Room, on March, 2015.
- ❖ Biannual conference on “ present status of Biotechnology research in Bangladesh” organized by Bangladesh Plant Tissue Culture and Biotechnology Society, Department of Botany, Dhaka University, Bangladesh, held on 29-30 April, 2014.
- ❖ Workshop on “Validation of Quarantine Laboratory Manual ” organized by Quarantine services strengthening project, Plant Protection Wing, DAE, Bangladesh, held on 11-13 February, 2014.
- ❖ Workshop on “Higher Education Quality Enhancement Project” Jointly organized by University Grants Commission of Bangladesh and Sher-e-Bangla Agricultural University (SAU) under Higher Education Quality Enhancement Sub-Project held at SAU Seminar Room, on April, 2014.
- ❖ Workshop on “Biotechnology Research in Bangladesh” on November, 2013, Dhaka University, Bangladesh.
- ❖ Seminar on “Molecular Biology Equipments in Bangladesh Market” organized by Overseas Marketing Company (OMC), Uniq Tower, Dhaka Kawran Bazar, held on January, 2008.
- ❖ Workshop on “English Learning Course” on November, 2007, British Council, Fuller Road, Dhaka University, Bangladesh.
- ❖ Workshop on “Mushroom Cultivation in Bangladesh” on January, 2006, organized by Mushroom Development Centre for 7 days, Savar Dhaka, Bangladesh.
- ❖ Biannual conference on “Plant Pathological Research in Bangladesh: Progress, Challenges and Future Strategies” organized by Bangladesh Phytopathological Society, Bangladesh Agricultural Research Institute, Gazipur held on March, 2005.

Teaching Experience:

At undergraduate level-Deliberation of lectures, preparation of question papers, conduction of examinations and evaluation of answer scripts.

- ❖ PLPA205: Introduction to Plant Pathology and Microbiology
- ❖ PLPA206: Laboratory techniques in Plant Pathology and Microbiology
- ❖ PLPA354: Diagnosis and Management of Field Crop Diseases and Seed Health Testing
- ❖ PLPA325: Plant protection strategies- 2 (Theory)
- ❖ PLPA457: Diseases of Horticultural Crops and Post- Harvest Pathology
- ❖ PLPA458: Diagnosis and Management of Horticultural and Cash Crops Diseases.

At MS level-Deliberation of lectures, preparation of question papers, conduction of examinations and evaluation of answer scripts.

- ❖ PLPA 502: Phyto- Pathological Research Methodology (at MS level)
- ❖ PLPA 506: Molecular Biology of Host- Pathogen Interaction.
- ❖ PLPA 511: Plant Virology
- ❖ PLPA 512: Soil-borne Disease
- ❖ PLPA 514: Disease Resistant in Plants

At Ph.D. level- Deliberation of lectures, preparation of question papers, conduction of examinations and evaluation of answer scripts.

- ❖ PLPA 606: Advanced Molecular Biology of Host- Pathogen Interaction.
- ❖ PLPA 611: Advanced Plant Virology
- ❖ PLPA 612: Genetic Engineering for Disease Resistance

Honors & Awards:

- ❖ **AD ranking in 2023** on the basis of Google Scholar citation, I got **3rd position** among the Researchers of Bangladesh.
- ❖ **AD ranking in 2022** on the basis of Google Scholar citation, Sher-e-Bangla Agricultural University (SAU), Dhaka was the number on position in Bangladesh and I got **1st position** among the Researchers of SAU.
- ❖ **CEMB-TWAS Postgraduate fellowships award'2008** for PhD program. [Third World Academic Science (TWAS), Tristy, Italy & National Centre of Excellence in Molecular Biology (CEMB).]
- ❖ **Atish Dipankar Gold Medal Award-2017** for special contribution in the field of Education & Research.

List of Publications:

Published full length research articles:

1. Raihan Ferdous, Nazneen Sultana, **Md. Belal Hossain**, Rifat Ara Sultana and Sanzida Hoque (2023). Exploring the potential human pathogenic bacteria in selected ready-to-eat leafy greens sold in Dhaka City, Bangladesh: Estimation of bacterial load and incidence. *Food Sci Nutr*. Wiley, 2023;00:1–14, wileyonlinelibrary.com/journal/fsn3, DOI: 10.1002/fsn3.3825
2. Md. Rocky, Mamunur Rashid, Imtiaj Alam, Farhan Tahmid, Mahamad Javed and **Md. Belal Hossain** (2023). Antifungal potentiality of selected micronutrients, botanicals and fungicides against purple blotch complex pathogens of onion. *Journal of Pharmacognosy and Phytochemistry*, 12(6): 227-234. DOI: <https://doi.org/10.22271/phyto.2023.v12.i6c.14786>

3. A.J.M.M. Uddin, **M.B. Hossain***, M.R. Islam, Y.A. Ara, M. Rocky and M.H. Kabir (2023). Evaluation of Different Planting Methods against Major Diseases of Selected Boro Rice Varieties. *SAARC J. Agric.*, 21(1): 139-152. DOI: <https://doi.org/10.3329/sja.v21i1.67088>
4. Shammy Akter, Hosna Ara Chowdhury Nisha, Raihan Ferdous, Rifat Ara Sultana, Sanzida Hoque, and **Md. Belal Hossain** (2023). Blast Disease Behavior in Some Boro Rice Varieties of Bangladesh and Development of Induced Resistance System against Blast Disease through Selected Novel Chemicals. *European Journal of Agriculture and Food Sciences*, 5(5). www.ejfood.org. DOI: <http://dx.doi.org/10.24018/ejfood.2023.5.5.685>
5. Salvia A. Kanta, Hosna A. C. Nisha, Raihan Ferdous, Tosnia Tohura, and **Md. Belal Hossain*** (2023). Evaluation the Effect of Fungicides, Micronutrients and Botanicals on Purple Blotch Complex of Onion in Bangladesh. *European Journal of Agriculture and Food Sciences*, Vol. 5 (1), www.ejfood.org., DOI: <http://dx.doi.org/10.24018/ejfood.2023.5.1.625>.
6. Muhammad Asim Rafique, Adil Jamal , Zainab Ali, Shumaila Kiran , Sarosh Iqbal, Sofia Nosheen, Zulqarnain Ansar and **Md Belal Hossain*** (2022). Biologically Synthesized Copper Nanoparticles Show Considerable Degradation of Reactive Red 81 Dye: An Eco-Friendly Sustainable Approach. *Hindawi BioMed Research International Volume 2022*, Article ID 7537955, <https://doi.org/10.1155/2022/7537955>.
7. Nosheen Mujtaba, Nazish Jahan, Adil Jamal, Shazia Abrar, Shumaila Kiran, Atizaz Rasool, **Md Belal Hossain***, Fayeze Saeed Bahwerth, Ibtesam Nomani and Khalid Javed Iqbal (2022). Biologically Synthesized Peptides Show Remarkable Inhibition Activity against Angiotensin-Converting Enzyme: A Promising Approach for Peptide Development against Autoimmune Diseases. *Hindawi BioMed Research International Volume 2022*, Article ID 2396192, <https://doi.org/10.1155/2022/2396192>.
8. Abu Baker Siddique, Riaz Hussain, Adil Jamal, **Md. Belal Hossain***, Zulfiqar Ahmad, Muhammad Khalid Mansoor, Iahtasham Khan, Kainat Zahra and Ahrar Khan (2022). Histopathological Investigations and Molecular Confirmation Reveal Mycobacterium bovis in One-Horned Rhinoceros (*Rhinoceros unicornis*). *Hindawi BioMed Research International Volume 2022*, Article ID 5816986, 7 pages, <https://doi.org/10.1155/2022/5816986>.
9. Tanjila Hasan, Aysha Akter, Raihan Ferdous, Sanzida Hoque, **Md. Belal Hossain*** (2022). Influence of Culture Media on Mycelial Growth and Sporulation of *Pyricularia Oryzae* and Usefulness of Potassium Silicate against the Rice Blast Pathogen. *American Journal of Sciences and Engineering Research*.,5 (2): 40-48. E-ISSN -2348 – 703X.
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Presentations and Published Abstract in Proceeding:

1. **Md. Belal Hossain**. RT-PCR Based Cloning and Sequencing of *Potato Leaf Roll Virus (PLRV) Coat-Protein (CP)* Gene for Characterization as a Bangladeshi Isolate and its Phylogenetic analysis. 1st Review Workshop on 14-15 June, 2022, Sher-e-Bangla Agricultural University Research System (SAURES), Sher-

- e-Bangla Agricultural University, Dhaka, Bangladesh (Oral presentation).
2. **Md. Belal Hossain**, Rabeya Bashori Rodela and Sumona Rahman. “First Report of *Ganoderma* Wilt (*Ganoderma* spp) of Coconut (*Cocos nucifera*) in Coastal Zone of Bangladesh and Usefulness of Cattle Urine in Management *In-vitro*”. 7th International Conference of Agriculture (AGRICO 2020) through the Zoom platform. 4th Agricultural Revolution: Growth population and Deriving Changes in Farming Systems, 26-27th November, 2020, Bangkok, Thailand.
 3. Tanjila Hasan, Ibne-Siam-Joy and **Md. Belal Hossain** “Molecular Characterization, PCR-Based Cloning and Sequencing of Coat-Protein Gene of a Bangladeshi *Potato Leaf Roll Virus (PLRV)* Isolate and Its Phylogenetic Analysis” in International Plant Tissue Culture & Biotechnology Conference on 8-10 February, 2020, Dhaka University, Bangladesh (Oral presentation).
 4. **Md. Belal Hossain** and Md. Ibne-Siam-Joy “Molecular Characterization, PCR-Based Cloning and Sequencing of Coat-Protein Gene of a Bangladeshi *Potato Leaf Roll Virus (PLRV)* Isolate and Its Phylogenetic Analysis” in 4th Young Congress on 13-15 December, 2019, National Museum of Science and Technology, Dhaka, Bangladesh (Poster presentation).
 5. **Md. Belal Hossain** and Aeysa Akter Lisa “A Comparative Analysis of Culture Media for Optimizing the Mycelial Growth and Sporulation of *Pyricularia oryzae* Cause Blast Disease of Rice and its Control by using Potassium Silicate” in 3rd Young Congress on 14-15 September, 2018, National Museum of Science and Technology, Dhaka, Bangladesh (Oral presentation).
 6. **Hossain MB** and Shaima Sherin Champa "Virus Free Potato MiniTuber Production through Meristem Culture" in Annual Plant Tissue Culture & Biotechnology Conference 2018 on 5-6 April, 2018, Sugar Crops Research Institute, Irshidi, Bangladesh (Oral presentation).
 7. **Hossain MB** and Nasir IA. “Molecular characterization, cloning and sequencing of *Coat-Protein (CP)* gene of *Potato Leaf Roll Virus (PLRV)* isolate and its phylogenetic analysis” in Annual Plant Tissue Culture & Biotechnology Conference 2015 on 28 March, 2015, Dhaka, Bangladesh (Oral presentation).
 8. **Hossain MB**. “Post Transcriptional Gene Silencing (PTGS) through siRNA of *Potato Leaf Roll Virus (PLRV)* in **Potato (*Solanum tuberosum L.*)**” as a Ph.D. lecture defense on 10 July, 2014, National Centre of Excellence in Molecular Biology (CEMB), University of the Punjab, Lahore, Pakistan (Oral presentation).
 9. **Hossain MB**, Qamar Z, Nasir IA. “*In vitro* Development of Cauliflower Synthetic Seeds and Development of Plantlets *In vivo*” in 7th International Plant Tissue Culture & Biotechnology Conference on March 1-3, 2014, Dhaka, Bangladesh (Oral presentation).

Book: Management of Fusarium and Nemic Wilt of Tomato-By: **Md. Belal Hossain** and Md. Rafiqul Islam. Published by: LAM LAMBERT Academic Publishing is a trademark of International Book Market Service Ltd. Member of Omni Scriptum Publishing Group. 2018. 17 Meldrum Street, Beau Bassin-2017. ISBN: 978-3-330-03786-1.

Prior experience in implementing research projects:

1. Name of the Project: Evaluation the Status of Commercial Hybrids Maize in Response to Transmit the Viruses

- causing Maize Lethal Necrosis Disease (MLND)
 Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka. Year: 2022-2023.
 Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.
 Main Project Features: To evaluate the Status of Commercial Hybrids Maize in Response to Transmit the Viruses causing Maize Lethal Necrosis Disease (MLND).
 Position Held: Principal Investigator
 Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to SAU-RES, presentation of the progress report in University as a seminar on the findings of study.
2. Name of the Project: Epidemiology and Management of Yellow Mosaic Disease (YMD) in Mungbean (*Vigna radiata* L.) through Biorationals and Chemicals Approaches
 Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka. Year: 2023-2024.
 Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.
 Main Project Features: To study the Epidemiology and Management of Yellow Mosaic Disease (YMD) in Mungbean (*Vigna radiata* L.) through Biorationals and Chemicals Approaches.
 Position Held: Principal Investigator
 Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to SAU-RES, presentation of the progress report in University as a seminar on the findings of study.
3. Name of the Project: Biological Elicitor Potential of Endospheric Bio-agents and Botanicals against *Pepper (Capsicum annuum* L.) *leaf curl virus (PeLCV)*.
 Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka. Year: 2020-2021.
 Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.
 Main Project Features: To evaluate the biological potentiality of selected endospheric bio-agents and botanicals against *Pepper leaf curl virus (PeLCV)*.
 Position Held: Principal Investigator
 Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to SAU-RES, presentation of the progress report in University as a seminar on the findings of study.
4. Name of the Project: Integrated Strategies for Disease Management through Innovative Land Arrangement in Combination of Rice Grown with Okra under Raised and Sunken Bed (RSB) Systems
 Financed by Ministry of Science and Technology (MOST), Bangladesh, Year: 2022-2023.
 Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.
 Main Project Features: Disease Management through Innovative Land Arrangement in Combination of Rice Grown with Okra under Raised and Sunken Bed (RSB) Systems
 Position Held: Principal Investigator
 Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to MOST.
5. Name of the Project: Adoption to Climate Change and Impact of the System of Rice Intensification (SRI) as an Alternative Approach for Management of Major Rice Diseases in Bangladesh.
 Financed by Ministry of Science and Technology (MOST), Bangladesh, Year: 2020-2021.
 Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Main Project Features: To adopted and evaluate the impact of System of Rice Intensification (SRI) as an Alternative Approach for Management of Major Rice Diseases in Bangladesh against changing climate.

Position Held: Principal Investigator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to MOST.

6. Name of the Project: Molecular Characterization of Novel Pathogen Responsible for Stem Basal Rot (SBR) disease in Coconut and Development of Prophylactic & Curative Management Package against the New Disease
Year: 2021-2023

Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Financed by BANBEIS-GARE.

Main Project Features: To Develop a Prophylactic & Curative Management Package against the New coconut Disease Stem Basal Rot (SBR).

Position Held: Principal Investigator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to BANBEIS-MOE, presentation of the progress report in the nation level workshops on the findings of study.

7. Name of the Project: “Molecular Characterization, Cloning and Sequencing of Coat-Protein gene of a Bangladeshi *Potato Leaf Roll Virus (PLRV)* isolate and its Phylogenetic analysis”.

Year: completed

Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Financed by **BAS-USDA**.

Main Project Features: To develop a reliable method for detection of *PLRV* from infected leaves or tubers. Finally to sequence the amplified cp gene and check the homology through phylogenetic analysis.

Position Held: Principal Investigator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to BAS-USDA, presentation of the progress report in the nation level workshops on the findings of study.

8. Name of the Project: “Efficacy of Peak Performance Nutrients (PPN) to Prevent *Tomato Yellow Leaf Curl Virus (TYLCV)*”.

Year: July, 2014 to June, 2015

Location: At Sher-e-Bangla Agricultural University, Dhaka

Donor/sponsor: Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka.

Main Project Features: To check the efficacy of Peak Performance Nutrients (PPN) to prevent major tomato viral disease namely *Tomato Yellow Leaf Curl Virus (TYLCV)*.

Position Held: Research Coordinator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, epidemiological observed of the major tomato viral diseases in selected tomato varieties, checked efficacy of PPN, data collection on the basis of morphological and physiological changes, data analysis, report writing, preparation and submission the report to SAURES, presentation of the progress report in the nation level workshops on the findings of study.

9. Name of the Project: “Incidence of Major Potato Viruses in Bangladesh and Their Molecular Characterization”.

Year: May, 2015 to June, 2016

Location: Major potato growing area in Bangladesh (Selected eight districts).

Donor/sponsor: Financed by Bangladesh University Grants Commission (UGC), Agargaon, Dhaka.

Main Project Features: To check the incidence level of different potato viruses in Bangladesh and their molecular characterization.

Position Held: Project Director

Activities Performed: Prepared Complete Proposal of the project, conducted the research, survey major potato growing areas to check the incidence level, data collection on the basis of viral typical symptoms and also observed the morphological and physiological changes, sample collection and molecular analysis for characterization, data analysis, report writing, preparation and submission the report to UGC, presentation of the progress report in the nation level workshops on the findings of study.

10. Name of the Project: “Virus Free Potato Mini-Tuber Production through Meristem Culture”.

Year: July, 2016 to June, 2017.

Location: Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka.

Main Project Features: To check the different hormonal effect in callus formation from meristem of potato and production of virus free potato mini-tuber.

Position Held: Research Coordinator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, data collection, data analysis, report writing, preparation and submission the report to SAURES, presentation of the progress report in the nation level workshops on the findings of study.

11. Name of the Project: “A Comparative Analysis of Culture Media for Optimizing the Mycelial Growth and Sporulation of *Pyricularia oryzae* Cause Blast Disease of Rice and its Control by using Potassium Silicate”.

Year: 2017-2018.

Location: Mycology lab and Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Ministry of Science and Technology (MOST), Bangladesh

Main Project Features: To identify a cheap and suitable culture medium for the mycelial growth and sporulation

of *Pyricularia oryzae*, to determine the cultural and morphological variability of this pathogen and to assays the efficacy of potassium silicate against rice blast pathogen *in-vitro* and *in-vivo*.

Position Held: Principal Investigator.

Activities Performed: Prepared Complete Proposal of the project conducted the research, data collection, data analysis, report writing, preparation and submission the report to NST, presentation of the progress report in the nation level workshops on the findings of study.

12. Name of the Project: “ELISA-Based Screening of Okra Germplasm against *Yellow Vein Mosaic Virus (YVMV)* and Its Management”.

Year: 2018-2019.

Location: Molecular Biology and Plant Virology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Financed by Bangladesh University Grants Commission (UGC), Agargaon, Dhaka.

Main Project Features: To screen the resistance okra cultivars against the *YVMV* under field and pot condition, to optimize the detection protocol of *YVMV* through ELISA test and to manage *YVMV* by controlling the insect vectors through insecticides and light reflecting mulches.

Position Held: Project Director

Activities Performed: Prepared Complete Proposal of the project, conducted the research, to check the incidence level, data collection on the basis of viral typical symptoms and also observed the morphological and physiological changes, sample collection and serological analysis for characterization, data analysis, report writing, preparation and submission the report to UGC, presentation of the progress report in the nation level workshops on the findings of study.

13. Name of the Project: “Development of Prophylactic and Curative Bio-Control Based Integrated Disease Management Package against Basal Stem Rot (*Ganoderma Wilt*) Disease in Coconut”.

Year: 2018-2019.

Location: At Sher-e-Bangla Agricultural University, Dhaka

Donor/sponsor: Financed by Sher-e-Bangla Agricultural University Research System (SAURES), Dhaka.

Main Project Features: To check the status of coconut stem basal rot (SBR) disease in Bangladesh, to isolate, identify and characterize the causal organism of SBR and to develop prophylactic and curative bio control based integrated disease management package against stem basal rot (SBR) disease of coconut.

Position Held: Research Coordinator

Activities Performed: Prepared Complete Proposal of the project, conducted the research, epidemiological observation of SBR diseases of coconut in selected areas, data collection on the basis of morphological and physiological changes, data analysis, report writing, preparation and submission the report to SAURES, presentation of the progress report in the nation level workshops on the findings of study.

14. Name of the Project: “Evaluation of Mostly cultivated Boro Rice Varieties against Blast

Disease of Rice Caused by *Pyricularia oryzae* and Its Management through Potassium Silicate and Selected Phyto-Chemicals”.

Year: 2018-2019.

Location: Mycology lab and Molecular Plant Pathology Laboratory, Department of Plant Pathology, SAU, Dhaka.

Donor/sponsor: Ministry of Science and Technology (MOST), Bangladesh

Main Project Features: To screen out the suitable Boro Rice cultivars against blast disease of rice caused by *Pyricularia oryzae*, and to assays the efficacy of selected phyto-chemicals and potassium silicate against rice blast pathogen *in-vitro* and *in-vivo*.

Position Held: Principal Investigator.

Activities Performed: Prepared Complete Proposal of the project conducted the research, data collection, data analysis, report writing, preparation and submission the report to NST, presentation of the progress report in the nation level workshops on the findings of study.

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, it engaged.



(Prof. Dr. Md. Belal Hossain)

Date: 15-09-2024