

## Curriculum Vitae

of

### Dr. Mohammed Sakhawat Hossain

**Professor**, Department of Entomology, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

**Ex. Chairman**, Department of Entomology Sher-e-Bangla Agricultural University (SAU), Dhaka.

Email: [sakhawat\\_sau@yahoo.com](mailto:sakhawat_sau@yahoo.com); [dr.sakhawathossain87@gmail.com](mailto:dr.sakhawathossain87@gmail.com)

Phone (mobile): +88-01774355787

WhatsApp: +88-01726230048

Born in Habigonj District (Upazilla- Madhabpur, Village-Satiain) on the 13<sup>th</sup> November, 1977; NID: 1459804793

**Address: Present-** Karobi Building, 2<sup>nd</sup> Floor (West), Teachers' Quarter, Sher-e-Bangla Agricultural University Campus, Sher-e-Bangla Nagar, Dhaka-1207 Sher-e-Bangla Nagar, Dhaka-1207, Bangladesh

**Permanent:** Village-Satiain, Post office- Satiain, Upazilla- Madhabpur, District-Habigonj

#### Education

- **Secondary School Certificate** **1992 (First Division)**  
Tejgaon Govt. High School, Farmgate, Dhaka-1215, Bangladesh.
- **Higher Secondary School Certificate** **1994 (First Division)**  
Murari Chand (MC) College, Sylhet, Bangladesh.
- **Bachelor of Science in Agriculture (B.Sc.Ag. Hons.)** **1998 (First Class)**  
Patuakhali Krishi College (Patuakhali Science and Technology University).
- **Master of Science in Entomology** **2004 (First Class)**  
Bangladesh Agricultural University, Mymensingh, Bangladesh.
- **PhD in Entomology** **2013 (First Class)**  
Gazipur Agricultural University, Gazipur, Bangladesh. (In collaboration with University of Ghent, Belgium and University of Western Australia, Perth, Australia)

#### Professional Work Experience (23 years)

- **Lecturer: 11<sup>th</sup> November, 2003 to 23<sup>rd</sup> September, 2006**  
Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.
- **Assistant Professor: 24<sup>th</sup> September, 2006 to 10<sup>th</sup> November, 2012**  
Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

- **Associate Professor: 11th November 2012 to 10th November 2016**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

- **Professor: 11th November 2016 to 10th November 2020 (Grade-3)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

- **Professor: 11th November 2020 to till date (Grade-2)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka, Bangladesh.

- **Chairman: 8<sup>th</sup> April, 2015 to 7<sup>th</sup> April, 2017 (Two years)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka, Bangladesh.

### Special Award

- Best Trainee Award in ITP 2010: **Beekeeping for Poverty Alleviation, University of Ghent, Belgium.**
- Best Instructor Award in 2019: **Certificate Course of Beekeeping, Department of Agricultural Extension (DAE).**
- Best speaker Award in 2012: **Crawford, University of Western Australia.**
- Best Trainer Award in 2023: **High Value Crop Production and Community Based Safe Food Processing, Department of Agricultural Extension (DAE).**
- Merit Award in 1996 to 1998: **Undergraduate Level Study, Bangladesh Agricultural University, Mymensingh**

### Technology Developed (15)

1. Honey Production in Poly Bee Hive
2. Pollen collection from Bee Hive
3. Propolis Collection from Bee Hive
4. Bee Venom Collection from Bee Colony
5. Royal jelly Collection from Bee Hive
6. Queen Breeding in Small Scale Apiary
7. Artificial Insemination of Queen Bee
8. Comb Cassette Honey Production in Bee Hive
9. Bottle Honey Production in Bee Hive
10. Bee Feed Development for Dearth Period Management
11. Black Soldier Fly Rearing Unit
12. Hive Beetle Management Trap
13. Water Feeder for Bee Colony Management
14. Queen Bee Protection Chamber
15. Hygienic Behavior Testing Kit for Honey Bee Colony

### International Training

- **VLIR-UOS Fellow: “Beekeeping for Poverty Alleviation”, University of Ghent, Belgium (Four months).**

- **Crawford Fund Fellow:** “Effect of Different Chemicals on Bee Fertility and Immunity”, University of Western Australia, Perth, Australia (Three months).
- **AP fellow:** “Beekeeping in Nepal”, Agriculture and Forestry University, Nepal (Seven days).
- **Russel IPM Fellow:** Russel IPM, Flintshire, UK (Fifteen days).
- **Apimaye Fellow:** Beekeeping Accessories and Equipment, Apimaye, Istanbul, Turkey (Fifteen days).

### Administrative Experience (9 years 6 months)

#### **Chairman- Two years (2015-2017)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

**Project Coordinator- Three years three months (2015-2018)** Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

“Validation and Up-scaling of Beekeeping Practices for Improving Yield and Quality of Bee Products”  
Funded by: Krishi Gobeshona Foundation (KGF)

#### **Principal Investigator- One year (2017-2018)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

“Survey and Detection of Guava Fruit Fly Species/Race(s) of Bangladesh and its Integrated Pest Management”

Funded by: Bangladesh Academy of Science (BAS-USDA)

#### **Team Leader- Six months (2020)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

“Fall Army Worm (FAW) Management”

Funded by: Food and Agriculture Organization (FAO)

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**Principal Investigator- Six months (2021)**

Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

“Method Development of Comb Honey Production” Funded by:

Krishi Gobeshona Foundation (KGF)

**Principal Investigator- Two year and ongoing (2023-2026)** Department of Entomology, Sher-e-Bangla Agricultural University Dhaka-1207, Bangladesh.

“Pest and Disease Surveillance & Management of Honey Bee Colony and Effect of RF-Electromagnetic Radiation on Honey Bee Growth and Development” Funded by: Krishi Gobeshona Foundation (KGF)

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**Academic Experience (23 years )**

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**Undergraduate Course:**

- Transmission of insect borne plant diseases.
- Insects in relation to plant diseases. ○ Role of insects in plant disease development.
- Methods of transmission of pathogens by insects.
- Toxicoses and cecidium.
- Bio-ecology, nature of damage and control measures of major insect and mite pests of pulses and oilseeds.
- Industrial Entomology: Sericulture, Apiculture, Lac culture.
- Survey of major insect and mite pests of field crops, horticultural crops, forest plants and stored products.
- Identification of nursery pests. ○ Development of IPM program for a cereals, fibers, vegetables and fruit plants. ○ Mass culture of bio-control agents. ○ Identification of insects carrying disease organisms of major crops of Bangladesh.
- Rearing techniques of industrial insects. Study of commonly used traps and poison baits for monitoring and management insect pests.
- Field visit to different research institute to survey of major insect and mite pests of crops.
- Monitoring and Forecasting: Surveillance, monitoring, forecasting and warning system of pest attack in insect pest management.
- Population estimation and crop loss assessment: Aggregation pattern, types of pest damage, sampling, methods of population estimation, methods of crop yield loss assessment.
- Identification up to families of importance insects and other arthropods of economic importance in Bangladesh.

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- Study of commonly used pesticides for controlling insect, mite and rodent pests in Bangladesh.
  - Pesticides application techniques. ○ Formulation of pesticides and computation of doses.
  - Precautionary measures for handling and using of pesticides. ○ Pest control appliances their operation and maintenance. ○ Identification of potential predators and parasitoids of insect pests in Bangladesh. ○ Measurement of insect population density with absolute and relative methods.
  - Techniques of crop yield loss assessment in pest infested fields. ○ Insect Physiology: Digestive system, digestion and absorption; Excretory system, excretory organs and mechanism of excretion; Circulatory system, circulatory organs and mechanism of circulation; Respiratory system, respiratory organs, respiration in terrestrial, aquatic and endoparasitic insects; Nervous system, neurons, types of nervous system; Reproductive system of insect, types of reproduction.
  - Methods of collection, preparation & preservation of insects.
  - Identification of different Orders of insects and other arthropods of economic importance in Bangladesh.
  - Study of external and internal anatomy of grasshopper, cotton bugs and lepidopterous insects. ○ Study of different types of antennae, mouthparts legs and wings of insects.
  - Preparation of temporary and permanent slides of antennae, legs, wings and mouthparts of insects.
  - Collection and identification of different types of larvae and pupae of insects.

#### **Postgraduate Course (M.S.):**

- Pest and management, History of pest control.
- Philosophy, basic principles and guidelines of integrated Pest management (IPM) ○ Ecological basis of pest management ○ The economics of pest management ○ The quantitative basis of Pest management sampling and measures ○ Analysis and modeling, in pest management ○ Pest control tactics: cultural mechanical biological, genetic and legal control ○ Host plant resistance; use of semio-chemicals and insecticides biotechnology and integrated pest management
- Training needs for IPM ○ Role of extension entomology in IPM. ○ Present status and prospects of integrated pest management in Bangladesh. ○ Sericulture: Economic importance; Larval morphology and anatomy of silkworm ○ External morphology and descriptions of digestive system; glands and reproductive system ○ Rearing techniques of mulberry-and eri silkworm ○ Composition of silk ○ Technique of race improvement.
- Moriculture-varieties, cultivation and management practices.
- Apiculture: History, economic importance of bee keeping, morphology and anatomy of honeybee ○ Rearing and management of bee colony ○ Honey extraction.
- Lac-culture, economic importance, biology, culture techniques and lac products.

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### Postgraduate Course (PhD):

- Concept and history of systematic entomology ○ Principles and application of zoological nomenclature ○ Phylogeny, geological time table represented by fossil records. ○ Theories on the origin of insects. ○ Species concept and speciation. ○ Taxonomic collections and curation and importance in biosystematics.
- Taxonomic characters, procedures of classification, mutations, concept and causes of diversity. ○ Taxonomy and statistics; numerical taxonomy. Molecular systematic and current trends in insect classification. ○ Taxonomic publications and preparation of publications. Studies on important orders and super family.
- Identification keys, use of keys in classification and preparation of diagnostic keys procedures in description of a species.
- Taxonomic drawings-drawing of insects and their parts-preparation of illustrations. ○ Introduction, development and types of resistance. ○ Mechanism of resistance- biochemical and genetic. ○ Metabolism of insecticides.
- Detoxification mechanism in insects; phase I reactions such as oxidation, hydrolysis, reduction and dehydrochlorination etc.; phase II reaction such as conjugation, multiple pathways, induction of detoxification enzymes.
- Management of resistance, Genotoxicity, FAO/WHO on Pesticide Residues.
- Codex Alimentarius Commission; acceptable daily intake (ADI); maximum residue limit (MRL). ○ Pesticide residues and relevant directions for management in developing countries.
- Application techniques in respect of safe use and handling of pesticides. ○ Co-evolution between host plants and insects. ○ Plant herbivore interactions. Receptor systems, sensory perception in phytophagous insects. ○ Dynamics of insect plant interactions in selected crop plants viz., rice, cotton, sugarcane, pulses. ○ Insects and chemical environment of plants.
- Secondary and tertiary compounds, their effects on orientation, feeding, reproduction, growth and development of herbivorous insects.
- Role of enzymes in plant systems, detoxification of plant chemicals. ○ Inter- and intraspecific competition of herbivores on selected crops.
- Tri trophic interactions among plants herbivores and their natural enemies, their implications in pest management.
- Management and production in honeybee keeping.
- Techniques of queen rearing and instrumental insemination.
- Selection and improvement of honeybee races.
- Diagnosis and control techniques of honeybee diseases and pests. Technology and manufacture, medical importance, chemical analysis of honeybee products.
- Potential effects of beekeeping on agriculture.

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### Examination Experience (23 Years)

**Member:** Exam committee of the Dept. of Entomology at undergraduate level.

**Member:** Exam committee of the Dept. of Entomology at postgraduate level.

**Member:** Question preparation committee of the Dept. of Entomology at undergraduate level.

**Member:** Question preparation committee of the Dept. of Entomology at postgraduate level.

**Member:** Question moderation committee of the Dept. of Entomology at undergraduate level.

**Member:** Question moderation committee of the Dept. of Entomology at postgraduate level

**Member:** Examiner of the Dept. of Entomology at undergraduate level.

**Member:** Examiner of the Dept. of Entomology at postgraduate level.

**Member:** Final result preparation at undergraduate level.

**Member:** Final result preparation at postgraduate level.

**Member:** Seat planning committee of Sher-e-Bangla Agricultural University admission system.

**Member:** Course curriculum preparation of the Department of Entomology

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### Research Project Experience (22 Years)

**1. Duration: 17 October 2023-10 May 2024**

Pest Risk Analysis (PRA) of Spiny gourd/Teasle gourd in Bangladesh under program on pest risk analysis for fruit, vegetable and cereal crops of DAE. (Role: Entomologist for 6 months)

**2. Duration: 01 February- 30 June 2023**

Pest Risk Analysis (PRA) of Mango and Prepare Good Agriculture Practices (GAP) guideline of Mango in Bangladesh under Exportable Mango Production Project (EMAP) of DAE. (Role: Entomologist for 6 months)

**3. Duration: 3 AUG 2022 – 2 AUG 2023**

Black Soldier Fly Production to Process Organic Waste and Produce Animal Feed Funded by Food and Agriculture Organization of the United Nation (FAO), Dhaka-1205, Bangladesh. (Role: Entomologist for 6 months).

**4. Duration: 01 JUL 2020 – 30 JUN 2022**

Facilitating Climate Change Adaptation Planning and Implementation through Innovative Agro Technologies Reducing Carbon Emission in Farmers' Field Funded by Bangladesh Climate Change Trust Fund, Ministry of Environment, Dhaka-1000, Bangladesh. (Role: Entomologist for 12 months).

**5. Duration: 29 APR 2021 – 28 OCT 2021**

Method Development of Comb Honey Production Funded by Krishi Gobeshona Foundation (KGF), Dhaka1215, Bangladesh. (Role: Principal Investigator for 6 months).

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**6. Duration: 21 APR 2017 – 20 APR 2020**

Survey and Detection of Guava Fruit Fly Species/Race(s) of Bangladesh and its Integrated Pest Management Funded by Bangladesh Academy of Science (BAS)-United States Department of Agriculture (USDA) Endowment Program, Dhaka-1207, Bangladesh. (Role: Principal Investigator for 12 months and Coinvestigator for 24 months).

**7. Duration: 31 MAY 2015 – 30 AUG 2018**

Validation and Up-scaling of Beekeeping Practices for Improving Yield and Quality of Bee Products Funded by Krishi Gobeshona Foundation (KGF), Dhaka-1215, Bangladesh. (Role: Principal Investigator for 39 months).

**8. Duration: 1 SEP 2018 – 28 FEB 2019**

Bee Diseases Analysis and Invention of Preventives Funded by Bangladesh Small and Cottage Industry Corporation (BSCIC), Dhaka-1000, Bangladesh. (Role: Principal Investigator for 6 months).

**9. Duration: 1 JUL 2014 – 30 JUN 2015**

Protection on Indigenous Bees; Duration: Twelve months (1st July 2014 to 30th June 2015); Funded by Bangladesh Small and Cottage Industry Corporation (BSCIC), Dhaka-1000, Bangladesh. (Role: Principal Investigator for 12 months).

**10. Duration: 1 JUL 2013 – 30 JUN 2014**

Nesting Behaviour of Solitary and Eusocial Bees Funded by Ministry of Science and Technology, Dhaka1000, Bangladesh. (Role: Principal Investigator for 12 months).

**11. Duration: 29 SEP 2022 – 31 DEC 2022**

Sher-e-Bangla Agricultural University (SAU)-Syngenta Bangladesh Ltd. Pollinator Safety Program, 2022 Funded by Syngenta Bangladesh Ltd., Dhaka-1205, Bangladesh. (Role: Team Leader for 3 months).

**12. Duration: 25 OCT 2021 – 31 DEC 2021**

Sher-e-Bangla Agricultural University (SAU)-Syngenta Bangladesh Ltd. Pollinator Safety Program, 2021 Funded by Syngenta Bangladesh Ltd., Dhaka-1205, Bangladesh. (Role: Team Leader for 2 months).

**13. Duration: 2 FEB 2020 – 31 DEC 2020**

Sher-e-Bangla Agricultural University (SAU)-Syngenta Bangladesh Ltd. Pollinator Safety Program, 2020 Funded by Syngenta Bangladesh Ltd., Dhaka-1205, Bangladesh. (Role: Team Leader for 10 months).

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**14. Duration: 1 DEC 2019 – 30 MAY 2020**

Fall Army Worm (FAW) Management Funded by Food and Agriculture Organization of the United Nation (FAO), Dhaka-1205, Bangladesh. (Role: Team Leader for 6 months).

**15. Duration: 20 DEC 2018 – 19 DEC 2019**

Sher-e-Bangla Agricultural University (SAU)-Syngenta Bangladesh Ltd. Pollinator Safety Program, 2019 Funded by Syngenta Bangladesh Ltd., Dhaka-1205, Bangladesh. (Role: Team Leader for 12 months).

**16. Duration: 1 OCT 2017 – 31 DEC 2017**

Sher-e-Bangla Agricultural University (SAU)-Syngenta Bangladesh Ltd. Pollinator Safety Program, 2017 Funded by Syngenta Bangladesh Ltd., Dhaka-1205, Bangladesh. (Role: Team Leader for 3 months).

**17. Duration: 1 JUL 2022 – 30 JUN 2023**

Identification of Different Species of Ladybird Beetles in Winter Crops at Dhaka District Funded by Ministry of Science and Technology, Dhaka-1000, Bangladesh. (Role: Co-Investigator for 12 months).

**18. Duration: 1 JUL 2021 – 30 JUN 2022**

Survey and Documentation on Insect Pest Status of Dragon Fruit in Bangladesh Funded by Ministry of Science and Technology, Dhaka-1000, Bangladesh. (Role: Co-Investigator for 12 months).

**19. Duration: 1 JUL 2020 – 30 JUN 2021**

Effect of Organic Farming for the Management of Insect Pests of Major Vegetables in Bangladesh Funded by Ministry of Science and Technology, Dhaka-1000, Bangladesh. (Role: Co-Investigator for 12 months).

**20. Duration: 1 JUL 2019 – 30 JUN 2020**

Collection and Identification of Insect Pest of Cut flowers and their Eco-friendly Management under Farmers' Field Condition Funded by Ministry of Science and Technology, Dhaka-1000, Bangladesh. (Role: Co-Investigator for 12 months).

**21. Duration: 1 JUL 2018 – 30 JUN 2019**

Identification of Major Insect and Mite Pests of Bangladesh in Relation to Climate Change Funded by Bangladesh Agricultural Research Council (BARC), Dhaka-1215, Bangladesh. (Role: Co-Investigator for 12 months).

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**22. Duration: 1 JUL 2015 – 30 JUN 2016**

Monitoring and Pest Control of Guava Fruit Fly in Southern Region of Bangladesh: New Knowledge for Integrated Pest Management Funded by Ministry of Science and Technology, Dhaka-1000, Bangladesh. (Role: Co-Investigator for 12 months).

**23. Duration: 1 JUL 2014 – 30 JUN 2015**

Improvement of Bee Health and Queen Breeding for Quality Honey Production; Duration: Twelve months (1st July 2014 to 30th June 2015); Funded by Ministry of Science and Technology, Dhaka1000, Bangladesh. (Role: Co-Investigator for 12 months).

**24. Duration: 1 JUL 2017 – 30 JUN 2018**

Strengthening Teaching and Learning Activities in the Department of Entomology Sher-e-Bangla Agricultural University Funded by Ministry of Education, Higher Education Quality Enhancement Project (HEQEP) - World Bank (WB), Dhaka-1207, Bangladesh. (Role: Member for 12 months).

**Extension Experience (20 years as Trainer)**

1. Conference Room, Shushilan, Kaliganj, Satkhira. 24<sup>th</sup> October, 2016 (**Excluder utilization in the bee hives**).
2. Conference Room, Shushilan, Kaliganj, Satkhira. 25<sup>th</sup> October, 2016 (**Good Bee Keeping Practices**).
3. Meeting Room, Bee Keeping Samittee, Sirajganj. 27<sup>th</sup> October, 2016 (**Propolis Mesh Utilization in the Bee Hives**).
4. Meeting Room, Bee Keeping Samittee, Joydebpur, Gazipur. 31<sup>st</sup> October, 2016 (**Healthy Queen Utilization in the Bee Hives**).
5. Conference Hall, Sher-e Bangla Agricultural University, Dhaka. 31<sup>st</sup> October, 2017 (**Pollinator safety in urban area**).
6. Meeting Room, Bee Keeping Samittee, Joydebpur, Gazipur. 1<sup>st</sup> November, 2016 (**Pollen Collector utilization**).
7. Conference Room, Shushilan Tiger Point, Munshigong, Satkhira. 15<sup>th</sup> -16<sup>th</sup> November, 2017 (**Pollinator safety in mangrove forest**).
8. Conference Hall, Hotel North Villa, Serajgong Road, Hatikumrul, Sirajgong. 19<sup>th</sup> December 2017 (**Pollinator safety in crop field**).
9. Conference Room, Shushilan, Munshiganj, Shyamnagar, Satkhira. 24<sup>th</sup> April, 2018 (**Pollen Collector utilization**).
10. Conference Room, Shushilan, Munshiganj, Shyamnagar, Satkhira. 25<sup>th</sup> April, 2018 (**Propolis Mesh Utilization in the Bee Hives**).

11. Conference Room, Shushilan, Munshiganj, Shyamnagar, Satkhira. 26<sup>th</sup> April, 2018 (**Healthy Queen Utilization in the Bee Hives**).
12. Meeting Room, Bee Keeping Samittee, Joydebpur, Gazipur. 5<sup>th</sup> May, 2018 (**Propolis Mesh Utilization in the Bee Hives**).
13. Meeting Room, Bee Keeping Samittee, Joydebpur, Gazipur. 6<sup>th</sup> May, 2018 (**Good Bee Keeping Practices**).
14. Meeting Room, Bee Keeping Samittee, Joydebpur, Gazipur. 7<sup>th</sup> May, 2018 (**Excluder utilization in the bee hives**).
15. Meeting Room, Bee Keeping Samittee, Sirajganj. 6<sup>th</sup> July, 2018 (**Pollen Collector Utilization**).
16. Meeting Room, Bee Keeping Samittee, Sirajganj. 6<sup>th</sup> July, 2018 (**Excluder utilization in the bee hives**).
17. Meeting Room, Bee Keeping Samittee, Sirajganj. 6<sup>th</sup> July, 2018 (**Good Bee Keeping Practices**).
18. Meeting Room, Bee Keeping Samittee, Sirajganj. 6<sup>th</sup> July, 2018 (**Healthy Queen Utilization in the Bee Hives**).
19. Training Center, Mushroom Development Institute, Savar, Dhaka. 26<sup>th</sup> -27<sup>th</sup> December, 2018 (**Pollinator safety for beekeepers in Dhaka zone**).
20. Conference room, Bangladesh Sugar crop research Institute, Ishwardi, Pabna. 2<sup>nd</sup> -3<sup>rd</sup> May, 2019 (**Pollinator safety program in litchi orchard**).
21. Conference room, DD office, DAE, Tangail. 2<sup>nd</sup> -3<sup>rd</sup> October, 2019 (**Pollinator safety in mustard crop**).
22. Sher-e-Bangla Agricultural University, Dhaka. 17<sup>th</sup> December, 2019 (**Fall Army Worm Incidence and Identification**).
23. Mushroom Centre, Savar, Dhaka. 7<sup>th</sup> January 2020 (**Fall Army Worm Biology**).
24. Department of Agricultural Extension, Dhaka. 12<sup>th</sup> January 2020 (**Fall Army Worm Management**).
25. Gazipur Sadar, Department of Agricultural Extension, Gazipur. 26<sup>th</sup> December, 2019 (**Fall Army Worm Management**).
26. Upazilla Agriculture office, Kapasia, Gazipur. 31<sup>st</sup> December, 2019 (**Fall Army Worm Incidence and Identification**).
27. Upazilla Agriculture office, Manikgonj Sadar, Manikgonj. 21<sup>st</sup> December, 2019 (**Fall Army Worm Incidence and Identification**).
28. Upazilla Agriculture office, Gheor, Manikgonj. 22<sup>nd</sup> December, 2019 (**Fall Army Worm Management**).
29. Upazilla Agriculture office, Narayangonj Sadar, Narayangonj. 13<sup>th</sup> January, 2020 (**Fall Army Worm Incidence and Identification**).

30. Upazilla Agriculture office, Arai hazar, Narayanganj. 14<sup>th</sup> January, 2020 (**Fall Army Worm Management**).
31. Upazilla Agriculture office, Monohordi, Narshingdi. 21<sup>st</sup> January, 2020 (**Fall Army Worm Incidence and Identification**).
32. Upazilla Agriculture office, Narshingdi Sadar, Narshingdi. 22<sup>nd</sup> January, 2020 (**Fall Army Worm Management**).
33. Upazilla Agriculture office, Munshigonj Sadar, Munshigonj. 23<sup>rd</sup> December, 2019 (**Fall Army Worm Incidence and Identification**).
34. Upazilla Agriculture office, Louhojong, Munshigonj. 24<sup>th</sup> December, 2019 (**Fall Army Worm Management**).
35. Upazilla Agriculture office, Tangail Sadar, Tangail. 29<sup>th</sup> December, 2019 (**Fall Army Worm Incidence and Identification**).
36. Upazilla Agriculture office, Santosh, Tangail. 30<sup>th</sup> December, 2019 (**Fall Army Worm Management**).
37. Upazilla Agriculture office, Rajbari. 30<sup>th</sup> January, 2020 (**Fall Army Worm Incidence and Identification**).
38. Upazilla Agriculture office, Lalmai, Cumilla. 25<sup>th</sup> January, 2020 (**Fall Army Worm Management**).
39. Upazilla Agriculture office, Cumilla, Cumilla. 26<sup>th</sup> January, 2020 (**Fall Army Worm Incidence and Identification**).
40. Upazilla Agriculture office, Feni Sadar, Feni. 4<sup>th</sup> February, 2020 (**Fall Army Worm Incidence and Identification**).
41. Upazilla Agriculture office, Chandpur. 6<sup>th</sup> February, 2020 (**Fall Army Worm Management**).
42. Upazilla Agriculture office, Brahmanbaria, Brahmanbaria. 18<sup>th</sup> February, 2020 (**Fall Army Worm Incidence and Identification**).
43. Upazilla Agriculture office, Noakhali Sadar, Noakhali. 25<sup>th</sup> February, 2020 (**Fall Army Worm Management**).
44. Upazilla Agriculture office, Laksmipur Sadar, Laksmipur. 27<sup>th</sup> February, 2020 (**Fall Army Worm Incidence and Identification**).
45. Upazilla Agriculture office, Cox's Bazar, Cox's Bazar. 29<sup>th</sup> February, 2020 (**Fall Army Worm Management**).
46. Upazilla Agriculture office, Chattogram Sadar, Chattogram. 01<sup>st</sup> March, 2020 (**Fall Army Worm Incidence and Identification**).
47. Conference room, Bangladesh Sugar crop research Institute, Ishwardi, Pabna. 21<sup>st</sup> -22<sup>nd</sup> October, 2020 (**Pollinator safety program in orchard**).
48. Shahjahan Apiary, Chatmohor, Pabana. 28<sup>th</sup> October, 2021 (**Comb honey production in honey bee colony for pure honey production**).

49. Seminar room, Department of Entomology, Sher-e-Bangla Agricultural University, Dhaka. 18<sup>th</sup> -19<sup>th</sup> November, 2020 (**Pollinator safety in roof garden**).
50. Progoti Apiary, Gazipur. 25<sup>th</sup> -26<sup>th</sup> November, 2020 (**Pollinator safety in Apiary**).
51. Training room, DD office, Department of Agricultural Extension, Narshingdi. 17<sup>th</sup> -18<sup>th</sup> November, 2021 (**Pollinator safety for vegetable crops**).
52. Upazilla Agricultural Office of Manikgonj, Manikgonj. 22<sup>nd</sup> -23<sup>rd</sup> November, 2021 (**Pollinator safety for vegetables crop and honey bee management**).
53. Hotel North Villa, Conference room, Sirajgonj. 2<sup>nd</sup> -3<sup>rd</sup> December, 2021 (**Beekeepers safety from pesticide**).
54. Training room, Bangladesh Rice Research Institute (BRRI), Habigonj. 12<sup>th</sup> -13<sup>th</sup> December, 2021 (**Safe use of pesticide for the farmers**).
55. Conference room, Department of Agricultural Extension, Sreenagar, Munshigonj. 14<sup>th</sup> -15<sup>th</sup> November, 2022 (**Farmers safety from pesticide**).
56. Ashrai Training Center, Baya, Poba, Rajshahi. 22<sup>nd</sup> -23<sup>rd</sup> November, 2022 (**Pollinator safety for mango crop and honey bee management**).
57. Seminar Hall, Bangladesh Agricultural Development Corporation, Brahmanbaria. 07<sup>th</sup> -08<sup>th</sup> December, 2022 (**Pollinator safety in seed production system**).
58. Conference room, Rajshai Zonal Agriculture Office, Rajshahi. 21<sup>st</sup> December, 2022 (**Pollinator safety program for department of agricultural extension officers' at Rajshahi zone**).
59. Seminar room, Department of Entomology, Sher-e-Bangla Agricultural University. 24<sup>th</sup> October, 2023 (**Pest and disease diagnostics inside the bee colony**).
60. Conference room, Balaghata Horticulture Center, Department of Agricultural Extension, Bangarban. 29<sup>th</sup> October, 2023 (**Pollinator safety in hilly areas of Bangladesh**).

#### Publications: 35\* (Scientific Paper)

1. **Hossain, M.S.**, Hannan, M.A., Akter, M. Lee, k M. Bai and S. Lee. 2024. Scientific note: First report of small hive beetle in South Asia and their potential invasive pathway. *Apidologie* **55**, 65. <https://doi.org/10.1007/s13592-024-01106-3>
2. Khan, M. S. I., Rahman, M. M., **Hossain, M. S.**, Emam Hossain , M., & Rimi, T. A. (2024). Efficacy of Insecticides Against Major Sucking Insect Pests of Okra and Their Effect on Natural Enemies. *Indian Journal of Entomology*, 1–4. <https://doi.org/10.55446/IJE.2024.1328>
3. **Hossain, M. S.**, Omi, M. Q., Akhtar, S., Ruku, R. S., & Akter, M. M. (2023). Study on insect diversity and pollination effect on the yield of elephant apple. *Journal of Biodiversity Conservation and Bioresource Management*, 9(2), 75–82. <https://doi.org/10.3329/jbcbm.v9i2.70071>

4. Akter, M., **Hossain, M.S.**, Rahman, S., Banu, M., & Akhtar, M. (2023). Insect Diversity and Pollination Effect on Buckwheat (*Fagopyrum Esculentum*) Yield. *Journal of Biodiversity Conservation and Bioresource Management*, 9(1), 109–118. <https://doi.org/10.3329/jbcbm.v9i1.66636>
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32. **Hossain, M. S.**, M. A. Haque, M. Ahmad and M. M. Khatun (2005). Evaluation of the abundance of mustard aphid (*Lipaphis erysimi* Kalt.) on different growth stages of mustard plant. *J. Subtrop. Agric. Res. Dev.* 3(1): 19-21. **\*Three publications under process.**

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#### Books: 02

1. **Beekeeping for Better Yield**” published from Bangladesh and
2. **No Bees, No Life**” published from Slovenia.

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#### Training Manual: 03

1. Moumasi Palon Bishoyok Proshikkhon Manual (**Bangladesh Academy for Rural Development**).
2. Beekeeping Manual for Extension Workers (**Department of Agricultural Extension**).
3. Black Soldier Fly Rearing and Utilization of Larvae as Fish and Poultry Feed (**Food and Agriculture Organization**).

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#### Poster: 02

1. Bee Flora for Migratory Beekeeping and Honey Production in Bangladesh form *Apis mellifera* L. (**44th APIMONDIA International Apicultural Congress 2015, Daejon, South Korea**).
2. Pests and Diseases of *Apis mellifera* L. in Bangladesh (**44th APIMONDIA International Apicultural Congress 2015, Daejon, South Korea**).

### International Conferences and Seminars (As Speaker)

1. Beekeeping in Bangladesh (**University of Ghent, Belgium**) **2010**
2. Mustard as a Melliferous Plant (**Brussels, Belgium**) **2010**
3. Honey Bee Species in Bangladesh and their Role in Honey and Crop Production (**University of Western Australia, Perth, Australia**) **2012**
4. Effect of Antivarroa Chemicals on Drone Fertility (**University of Western Australia, Perth, Australia**) **2015**
5. Honey Bee Queen breeding in Bangladesh (**Agriculture and Forestry University, Chitwan, Nepal**) **2017**
6. Insect Pest Management through Different Traps (**Russel IPM, Flintshire, UK.**) **2019**
7. Beekeeping Machineries and Equipment in Bangladesh (Beekeeping Accessories and Equipment, **Apimaye, Istanbul, Turkey**)

### National Conferences and Seminars (As speaker)

1. Mustard as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 22<sup>nd</sup> March 2018**).
2. Sunflower as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 5<sup>th</sup> April, 2018**).
3. Litchi as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 19<sup>th</sup> April, 2018**).
4. Moringa as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 10<sup>th</sup> May, 2018**).
5. Indian Ber as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 17<sup>th</sup> January, 2019**).
6. Moringa as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 7<sup>th</sup> February, 2019**).
7. Black Cumin as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 14<sup>th</sup> February, 2019**).
8. Coriander as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 28<sup>th</sup> February, 2019**).
9. Black Cumin as Melliferous Plant and its Utilization in Honey Production (**Milky Auditorium, Department of Agricultural Extension, Dhaka, 14<sup>th</sup> February, 2019**).

- 10. Cucurbits as Melliferous Plants and their Utilization in Honey Production (Milky Auditorium, Department of Agricultural Extension, Dhaka, 6<sup>th</sup> March, 2019).**
  - 11. Quinoa as Melliferous Plant and its Utilization in Honey Production (Milky Auditorium, Department of Agricultural Extension, Dhaka, 22<sup>nd</sup> March, 2019).**
  - 12. Perilla as Melliferous Plant and its Utilization in Honey Production (Milky Auditorium, Department of Agricultural Extension, Dhaka, 22<sup>nd</sup> March, 2019).**
  - 13. Watermelon Pollination Requirements and Pollinator Management in Watermelon Field (Milky Auditorium, Department of Agricultural Extension, Dhaka, 7<sup>th</sup> April, 2019).**
  - 14. Mango Pollination Requirements and Pollinator Management in Mango Field (Milky Auditorium, Department of Agricultural Extension, Dhaka, 2<sup>nd</sup> May, 2019).**
  - 15. Litchi Pollination Requirements and Pollinator Management in Litchi Field (Milky Auditorium, Department of Agricultural Extension, Dhaka, 2<sup>nd</sup> May, 2019).**
  - 16. Indian Ber Pollination Requirements and Pollinator Management in Indian Ber Field (Milky Auditorium, Department of Agricultural Extension, Dhaka, 12<sup>th</sup> May, 2019).**
  - 17. Mustard Pollination Requirements and Pollinator Management in Mustard Field (Milky Auditorium, Department of Agricultural Extension, Dhaka, 20<sup>th</sup> June, 2019).**
  - 18. Varroa Mite Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 1<sup>st</sup> February, 2021).**
  - 19. Tracheal Mite Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 4<sup>th</sup> February, 2021).**
  - 20. Tropilaelaps Mite Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 24<sup>th</sup> February, 2021).**
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- 21. American Foul Brood Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 14<sup>th</sup> March, 2021).**
  - 22. European Foul Brood Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 28<sup>th</sup> March, 2021).**
  - 23. Sac Brood Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 1<sup>st</sup> April, 2021).**
  - 24. Chalk Brood Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 13<sup>th</sup> June, 2021).**
  - 25. Nosema Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 9<sup>th</sup> September, 2021).**
  - 26. Bee Paralysis Disease Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 20<sup>th</sup> September, 2021).**

27. Wax Moth Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 27<sup>th</sup> October, 2021).
28. Asian Giant Hornet Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 1<sup>st</sup> November, 2021).
29. Black Queen Cell Virus Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 4<sup>th</sup> November, 2021).
30. Deformed Wing Bee Virus Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 14<sup>th</sup> November, 2021).
31. Dearth Period Management of Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 17<sup>th</sup> November, 2021).
32. Seasonal Management of Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 21<sup>st</sup> November, 2021).
33. Swarm Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 24<sup>th</sup> November, 2021).
34. Queen Bee Management in Honey bee Colony for Sustainable Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 10<sup>th</sup> December, 2021).
35. Queen Breeding for Sustainable Apiary (Milky Auditorium, Department of Agricultural Extension, Dhaka, 15<sup>th</sup> December, 2021).
36. Artificial Pollen feeding for Increasing Honey Bee Population (Milky Auditorium, Department of Agricultural Extension, Dhaka, 22<sup>nd</sup> December, 2021).
37. Sugar Syrup feeding for Increasing Honey Bee Population (Milky Auditorium, Department of Agricultural Extension, Dhaka, 08<sup>th</sup> March, 2022).
38. Apiary Migration in Bangladesh on the Basis of Floral Resources (Milky Auditorium, Department of Agricultural Extension, Dhaka, 22<sup>nd</sup> May, 2022).
39. Drone Health Improvement for Good Beekeeping Practices (Milky Auditorium, Department of Agricultural Extension, Dhaka, 1<sup>st</sup> June, 2022).
40. Estimation of Carrying Capacity of Honey in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 12<sup>th</sup> November, 2022).
41. Diversity of Floral Resources for Beekeeping in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 25<sup>th</sup> November, 2022).
42. Honey Bee Species Diversity in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 17<sup>th</sup> December, 2022).
43. Beekeeping for Sustainable Agriculture in Bangladesh (Milky Auditorium, Department of Agricultural Extension, Dhaka, 17<sup>th</sup> December, 2022).

44. Homestead Vegetable Gardening with biosafety protocol and protective measures (**Mushroom Development Center, Savar, Dhaka, 18<sup>th</sup> January, 2023**).
  45. High Value Crop Production Technologies (**Mushroom Development Center, Savar, Dhaka, 25<sup>th</sup> January, 2023**).
  46. Biosafety Protocol and Protective Measures of High Value Crops (**Mushroom Development Center, Savar, Dhaka, 31<sup>st</sup> January, 2023**).
  47. High Value Crops Production and Community Based Safe Food Processing (**Mushroom Development Center, Savar, Dhaka, 12<sup>th</sup> October, 2023**).
  48. Smallholder Agricultural Competitiveness (**Mushroom Development Center, Savar, Dhaka, 16<sup>th</sup> October, 2023**).
  49. Demonstration workshop on Black Soldier Fly production to process organic waste and produce animal feed (**Seminar room and Black soldier fly unit at Sher-e-Bangla Agricultural University, Dhaka, 11<sup>th</sup> February, 2023**).
  50. Demonstration workshop on Black Soldier Fly production to process organic waste and produce animal feed (**Seminar room and Black soldier fly unit at Sher-e-Bangla Agricultural University, Dhaka, 18<sup>th</sup> February, 2023**).
  51. Demonstration workshop on Black Soldier Fly production to process organic waste and produce animal feed (**Seminar room and Black soldier fly unit at Sher-e-Bangla Agricultural University, Dhaka, 25<sup>th</sup> February, 2023**).
  52. Demonstration workshop on Black Soldier Fly production to process organic waste and produce animal feed (**Seminar room and Black soldier fly unit at Sher-e-Bangla Agricultural University, Dhaka, 04<sup>th</sup> March, 2023**).
  53. Black Soldier Fly production to process organic waste and produce animal feed (**Sheikh Kamal Building, Seminar Room, Sher-e-Bangla Agricultural University, Dhaka, 10<sup>th</sup> May, 2023**).
  54. Black Soldier Fly production to process organic waste and produce animal feed (**Sheikh Kamal Building, Seminar Room, Sher-e-Bangla Agricultural University, Dhaka, 14<sup>th</sup> May, 2023**).
  55. Black Soldier Fly production to process organic waste and produce animal feed (**SH Castle and Resort, Narayangonj, 17<sup>th</sup> May, 2023**).
  56. Black Soldier Fly production to process organic waste and produce animal feed (**National Agriculture Training Academy, Gazipur, 20<sup>th</sup> May, 2023**).
  57. National Seminar on Black Soldier Fly production to process organic waste and produce animal feed (**Sheikh Kamal Building, Seminar Room, Sher-e-Bangla Agricultural University, Dhaka, 22<sup>nd</sup> July, 2023**).
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### Research Student Supervision-56 (MS and PhD)

1. Md. Ruhul Kabir (As PhD Supervisor): 1 JAN 2023- CURRENT (**Study on the Genetic Diversity of Varroa Mite *Varroa destructor* in Subtropical Zone and Their Prevalence in Different Species of Honey bee**)
2. Rokeya Sultana Ruku (As PhD Supervisor): 1 JAN 2023- CURRENT (**Study on Morphomolecular Detection of Black Soldier Fly Species in Bangladesh, its Biology and Analysis of their Quality as Livestock Feed on the Basis of their Rearing Substrates**)
3. Mst. Munjuri Akter (As PhD Supervisor): 1 JAN 2022 – CURRENT (**Morphomolecular Detection and Assessment of Honey Bee Biodiversity in Bangladesh**)
4. Muhammad Abdul Hannan (As PhD Supervisor): 1 JAN 2022 – CURRENT (**Hive Beetle of Honey Bee in Bangladesh and Its Management at Colony Level**)
5. MD. Habibur Rahman (As PhD Supervisor): 1 JAN 2018 – 30 JUN 2022 (**Survey and Detection of Fruit Fly Species/Race(s) of Guava in Bangladesh and its Integrated Pest Management**)
6. Krishna Rani Das (As member of PhD Advisory Board): 1 JUL 2018 – 30 DEC 2022 (**Host plants, Species Diversity, Seasonal Abundance, Biology and Management of Vegetable Leaf Miner**)
7. Muhammad Abu Talha (As member of PhD Advisory Board): 1 JUL 2017 – 30 JUN 2022 (**Evaluation of Integrated Management Practices against the Infestation of *Spodoptera litura* Fab. in Tropical Sugar beet**)
8. Md. Zakaria (As member of PhD Advisory Board): 1 JUL 2019 – 30 DEC 2023 (**Development of an Integrated Management Approach against Major Pests of Capsicum**)
9. Tonima Farhat (As member of PhD Advisory Board): 1 JUL 2019 – CURRENT (**Morphomolecular Identification of Aphids of Major Field Crops and Their Bio-rational Management**)
10. Mst. Majida Khatun (As member of PhD Advisory Board): 1 JAN 2021 – CURRENT (**Development of Integrated Pest Management Approaches for Fall Armyworm Management in Bangladesh**)
11. Maliha Quddus Omi (As MS Supervisor): 1 JAN 2021 – 30 December 2023 (**Role of Pollinators on Wax apple and Elephant Apple Yield**)
12. Sunanda Sarkar Rumpa (As MS Supervisor): 1 JAN 2021 – 30 December 2023 (**Study on the Growth and Development of Black Soldier Fly (*Hermetia illucens*) on the Basis of Different Organic Wastes**)
13. Tasnim Psyche (As MS Supervisor): 1 JAN 2019 – 30 JUN 2022 (**Study on the Seasonal Abundance of Mosquito and its Larval Control through Biopesticide**)
14. Ruida Armin (As MS Supervisor): 1 JAN 2019 – 30 JUN 2022 (**Study on Pollinator Diversity in Litchi Orchard**)
15. Sadia Afrin Shefa (As MS Supervisor): 1 JAN 2019 – 30 JUN 2022 (**Effect of Insecticide Application Timing on Pollinator Diversity in Mustard Field Bordered by Attractant Crop**)
16. Most. Farjana Akter (As MS Supervisor): 1 JAN 2018 – 30 DEC 2020 (**Study on Insect Diversity and Pollination Effect on Buckwheat *Fagopyrum esculentum* Yield**)

17. Mim Nurjahan (As MS Supervisor): 1 JAN 2018 – 30 DEC 2020 (**Beekeeping in Lalmai- Hill Areas of Cumilla: Potentials and Problems**)
  18. Kaniz Fatema (As MS Supervisor): 1 JUL 2017 – 30 JUN 2019 (**Influence of Nitrogenous Fertilizer on Insect Pest Complex of Quinoa**)
  19. Sadia Afreen Nipa (As MS Supervisor): 1 JUL 2017 – 30 JUN 2019 (**Study on Quality of Honey Collected from Different Floral Sources of Bangladesh**)
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20. Nazmul Huda (As MS Supervisor): 1 JUL 2017 – 30 JUN 2019 (**Eco-friendly Pest Management of Okra**)
  21. Saifullah Omar Nasif (As MS Supervisor): 1 JUL 2016 – 30 JUN 2018 (**Comparing Succession of Insect Pest in BT and Non-BT Brinjal and their Chemical Management**)
  22. Kamronnahr Khanam Rima (As MS Supervisor): 1 JUL 2016 – 30 JUN 2018 (**Role of Insect Pollination on Bottle Gourd *Lagenaria siceraria* L. Yield**)
  23. Joydeb Kumar Paul (As MS Supervisor): 1 JUL 2016 – 30 JUN 2018 (**Effect of Pesticide Application Timing on Honey bee foraging in Mustard Field and Role of Honey Bee on Mustard Yield**)
  24. Md. Mohi Uddin Fazlullah (As MS Supervisor): 1 JUL 2016 – 30 JUN 2018 (**Study on Honey Production by Using Wooden and Poly Hive in Different Seasons in Bangladesh**)
  25. Farzana Yeasmin (As MS Supervisor): 1 JUL 2017 – 30 DEC 2018 (**Host Preference of Red Pumpkin Beetle among Different Cucurbits**)
  26. Md. Abul Hasnat-**Stockholm University** (Department of Basic Biology Education), Sweden. (As Research Supervisor): 1 JUL 2015 – 30 JUN 2017 (**Reproductive Potential Difference of Artificially Inseminated and Naturally Mated Honey Bee Queens *Apis mellifera* L.**)
  27. Md. Samsul Alam (As MS Supervisor): 1 JUL 2015 – 30 JUN 2017 (**Effect of Propolis on Bee Health**)
  28. Abir Ahmed (As MS Supervisor): 1 JUL 2015 – 30 JUN 2017 (**Study on Pollen Collection Efficiency of European Honey bee *Apis mellifera* L. from Mustard Flower**)
  29. Md. Anwar Morshed (As MS Supervisor): 1 JAN 2015 – 31 DEC 2016 (**Effect of Artificial Diet on Bee Health**)
  30. Ferdous Habib (As MS Supervisor): 1 JAN 2015 – 31 DEC 2016 (**Preference of Salicylic Acid on the Suppression of Mustard Insect Pests in Field Condition**)
  31. Fatima Tuz Zohora Mony (As MS Supervisor): 1 JAN 2009 – 30 JUN 2011 (**Effect of Salicylic Acid on the Preference of Aphid in Mustard Plant**)
  32. Md. Tofayel Alam (As MS Supervisor): 1 JAN 2007 – 31 DEC 2009 (**Effect of a Seed Treating Chemical and Three Plant Extracts on Management of Insect Pests of Mustard in Relation to Sowing Time**)
  33. Rokeya Sultana Ruku (As MS Co-Supervisor): JAN 2021-JUN 2023 (**Study on the Diversity of Insect foragers and Pollination effect on Indian Jujube (*Ziziphus mauritiana* Yield)**)
  34. Md. Shahidul Islam Khan (As MS Co-Supervisor): JAN 2021-JUN 2023 (**Evaluation of Different Doses of Some Promising Insecticides against Major Insect Pests of Okra and their Effect on Natural Enemies**)
  35. Khursheda Akter (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Effect of Botanicals on Sucking Insect Pests and their Predators in Brinjal**)

36. Most. Sukhy Begum (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Efficacy of Bio-Rational Insecticides in Controlling Thrips in Summer Country Bean**)
37. Latifa Akter (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Study on Host Plant Preference of Aphid in Different Field Crops and the Predation Efficacy by Ladybird Beetle on Aphid**)
38. Md. Rakibuzzaman (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Study on the Practices of Insect Pests Management in Organic and Intensive Vegetable Farming of Farmers' Fields**)
39. Sharmeen Jahan Shapla (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Incidences and infestation of Insect Pests of Cauliflower and their Management by Biopesticides and Chemical Insecticide**)
40. Farzana Afrin Nish (As MS Co-Supervisor): JAN 2020-JUN 2022 (**Intensity of Infestation and Sustainable Management of Jassid on Different Okra Varieties**)
41. Sonia Akter (As MS Co-Supervisor): JUL 2019-DEC 2021 (**Morphological Identification of Mite Pests Attacking Different Vegetables Grown in Bangladesh and their Eco-friendly Management**)
42. Md. Asif Iqbal (As MS Co-Supervisor): JAN 2017-JUN 2019 (**Efficacy of Different Eco-friendly Management Practices in Controlling Cucurbit Fruit Fly on Bitter Gourd**)
43. Happy Mallik (As MS Co-Supervisor): JAN 2017- JUN 2019 (**Eco-friendly Management of Brinjal Shoot and Fruit Borer and Epilachna Beetle by using Botanicals and other Chemical Insecticides**)
44. Sathi Sen (As MS Co-Supervisor): JUL 2016- DEC 2018 (**Development of an IPM Approach in Controlling Insect Pests of Tomato**)
45. Md. Abu Bakker Siddik (As MS Co-Supervisor): JUL 2016- DEC 2018 (**Evaluation of Some IPM Tools against the Infestation of Guava Fruit Fly *Bactrocera dorsalis* in Guava Orchard**)
46. Md. Iqbal Hossain (As MS Co-Supervisor): JAN 2015- JUN 2017 (**Role of Honeybee as Pollinator in Contributing Yield of Mustard**)
47. B.M. Rokonuzzaman (As MS Co-Supervisor): JAN 2014-JUL 2016 (**Rearing Efficiency, Foraging Behavior and Dearth Period Management of Honey Bee *Apis mellifera***)
48. Md. Jahidul Islam (As MS Co-Supervisor): JAN 2014-JUL 2016 (**Host Preference of Red Pumpkin Beetle *Aulacophora foveicollis* in Different Cucurbits**)
49. Sanjit Mandal (As MS Co-Supervisor): JAN 2014-JUL 2016 (**Evaluation of the Host Preference of Cucurbit Fruit Fly against Different Combinations of Hybrid Cucurbits**)
50. Mehedi Hasan (As MS Co-Supervisor): JAN 2014-DEC 2016 (**Evaluation of the Effect of Variety and Treatment against the Infestation of Bean Pod Borer (*Maruca vitrata*) of Country Bean in Summer Season**)
51. Name: Md. Bellal Hossain (As MS Co-Supervisor): JAN 2014-JUL 2016 (**Survey the Major Insect Pests of Nursery and their Management in Different Nursery of Dhaka City**)
52. Md. Ashikur Rahman (As MS Co-Supervisor): JAN 2014-JUL 2016 (**Effect of Sowing Times and Mustard Varieties on the Incidence of Aphid**)
53. Name: Md. Zillur Rahman (As MS Co-Supervisor): JAN 2013-JUL 2015 (**Effect of Bee Pollination on the Yield of Sesame (*Sesamum indicum* L.)**)
54. Md. Shahanur Parvez (As MS Co-Supervisor): JAN 2011-JUL 2013 (**Study on the Effectiveness of Some Control options against the infestation of Insect Pests of Wheat and their Natural Enemy**)
55. Zobiada Rukshanara (As MS Co-Supervisor): JAN 2007-JUL 2008 (**Effect of Dates of Sowing on the Incidence of Chickpea Pod Borer in field and Pulse Beetle in Storage**)

56. Mst. Fatema Khatun (As MS Co-Supervisor): JAN 2005-JUL 2007 (**Bioefficacy of Some Chemical and Botanical Insecticides against Jassid, *Amrasca devastans* on Brinjal and their Impact on Natural Enemies**)

**Community Service**

- Training support for insect pest management in farmers' field
- Advisory support/consultation on insect breeding system for industrial entomology (Honey bee, Black soldier fly, Solitary bee, Lac insect etc.)
- Farmers' field visit (Organized by Outreach Department of SAU/NGO/GO)
- Awareness raising on different issues related agriculture
- Apiary Inspection (Request from beekeeper)
- Provide support/help for vulnerable group of the society
- Biodiversity conservation
- Pollinators safety

**As reviewer and Editorial Member of Journal**

- *Journal of Biodiversity Conservation and Bioresource Management (JBCBM)*
- *Journal of Sher-e-Bangla Agricultural University*
- *The Agriculturists*
- *Bangladesh Journal of Entomology*

**Language Proficiency**

- **Bengali:** Native User
- **English: Competent (IELTS: 7.0)**
- **Hindi:** Basic

**Leadership Capabilities**

- **Member:** Convening committee: Agriculturist Association of Bangladesh (AAB)
- **Member:** University Teachers Association of Bangladesh (UTAB)
- **Member:** Sada Dal, Sher-e-Bangla Agricultural University
- **Former Senior Member-1:** Bangladesh Jatiatabadi Chatra Dal (JCS), Patuakhali Agricultural College
- Active participant in 1990s Mass Uprising
- Volunteer in Madam, Begum Khaldia Zia's election campaign at Govt. Titumir College in 1990
- Volunteer in BNPs election campaign at Dhaka-5 constitution (Gulshan Thana) in 2001
- Actively moved in different programs (protests, knagalivoj and other voluntary work) organized by BNP and different associated organizations of BNP

Dr. Mohammed Sakhawat Hossain