

CURRICULUM VITAE

1. Name : Farzana Nowrin
2. Father's name : Md. Abul Faiz Bhuiyan
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4. Date of birth : 15 October, 1989
5. Address : Senior Scientific Officer, Entomology Division
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6. Nationality : Bangladeshi
7. Marital Status : Married
8. Academic Career :

Degree/Diploma/Certificate	Class/Grade/Division	University/Institute/Board	Year
B.Sc.(Agriculture)	3.69 out of 4.00	Sher-e-Bangla Agricultural University, Dhaka	2012
MSc in Plant Science (Specialized in Entomology)	72% marks obtained	Wageningen University, The Netherlands	2017

9. (a). Major Subjects in M.Sc.: Insect ecology, Ecological Aspects of bio-interaction, Host-Parasite Interaction, Biological Control of Insects.

10. (b). Major Subjects in B.Sc.Ag: Entomology, Plant Pathology, Agronomy, Crop Botany, Soil Science, Horticulture, Genetics & Plant Breeding, Agricultural Extension, Agricultural Chemistry, Statistics

11. Computer Knowledge: Microsoft words, Microsoft excel, Power Point presentation, and SPSS.

12. Research Experiences:

Position

	<u>From</u>	<u>To</u>
Scientific Officer Entomology Division Bangladesh Rice Research Institute (BRRI), Gazipur-1701.	25-07-2013	30-01-2019
Senior Scientific Officer Entomology Division Bangladesh Rice Research Institute (BRRI), Gazipur-1701.	31-01-2019	present

13. Field of working, duties and responsibilities:

Now working in the field of Entomology especially on:

- a) Pesticide residue analysis by using GC-MS and LC-MS from different rice samples.
- b) Biological control of rice insect pests. The main objective of the work is to evaluate the role of natural enemies in controlling rice insect pests.
- c) Conservation of natural enemies through ecological engineering approaches. The main objective of this work is to conserve natural enemies by growing nectar-rich flowering plants in the bunds of rice field.
- d) Relationship between insect damage and yield loss. The main objective of the work is to determine the yield loss and recovering abilities of different rice varieties against major insect pest damage.
- e) Test of different insecticides against major insect pests. The main objective of the work is to evaluate the effectiveness of commercial formulations of different insecticides against major insect pests of rice.
- f) Survey & Monitoring of Rice Arthropods. The main objective of the work is to determine the incidence and abundance patterns of insect pests and their natural enemies at BIRRI farm and in different AEZ's for better management of rice pests.

14. List of the Publications:

- a) M P Ali, M S Rahman, **F Nowrin**, S S Haque, Xinghu Qin, M A Haque, M M Uddin, Douglas A Landis, M T H Howlader, Salinity Influences Plant–Pest–Predator Tritrophic Interactions, *Journal of Economic Entomology*, Volume 114, Issue 4, August 2021, Pages 1470–1479, <https://doi.org/10.1093/jee/toab133>
- b) Q Rusman, EH Poelman, **F Nowrin**, G Polder, D Lucas-Barbosa. Floral plasticity: Herbivore-species-specific-induced changes in flower traits with contrasting effects on pollinator visitation, *Plant, cell & environment* 42 (6), 1882-1896, 2019.
- c) MP Ali, MN Bari, SS Haque, MMM Kabir, S Afrin, **F Nowrin**, MS Islam, ...establishing next-generation pest control services in rice fields: eco-agriculture. *Scientific reports* 9 (1), 1-9, 2019.
- d) MDSM Aziz, T Akter, M Ali, SO Nasif, SA Shahriar, **F Nowrin**. Effect of Nitrogen, Phosphorus and Potassium (NPK) Application on Insect Pests Infesting Transplanting Aman Rice (*Oryza sativa* L.) *Asian Research Journal of Agriculture*, 1-15, 2018.
- e) MP Ali, MMM Kabir, S Afrin, **F Nowrin**, SS Haque, MM Haque, A Hashem, ...Increased temperature induces leafhopper outbreak in rice field. *Journal of Applied Entomology* 143 (8), 867-874, 2019.
- f) Ali, M.P., Bari, M.N., Haque, S.S. *et al.* Response of a rice insect pest, *Scirpophaga incertulas* (Lepidoptera: Pyralidae) in warmer world. *BMC Zool* 5, 6 (2020).

Abstract as Principal Author:

- a) **Nowrin, F.**, Uddin A.B.M. A., Haque S. S. and Ahmed N. (2014) Screening of Breeding Lines against Brown Planthopper. Rice Research Abstracts, Bangladesh Rice Research Institute, Gazipur-1701.

Abstract as Co- author:

- a) Ahmed N., Bari M. N., Haque S. S., Kabir M. M. M. and **Nowrin F.** (2014) Conservation of natural enemy of rice insect pests through ecological management approach. Rice Research Abstracts, Bangladesh Rice Research Institute, Gazipur-1701.

References:

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