Dr. Jannat Shopan

Date of birth: 01/04/1987 | **Nationality:** Bangladeshi | **Gender:** Female | **Phone number:** (+880) 1302742287 (Mobile) | **Email address:** jannat.shopan.197@gmail.com | **LinkedIn:** linkedin.com/in/jannat-shopan-985116125 |

Address: Habiganj Agricultural University, Vadoi, Habiganj-3300, Habiganj Sadar, Bangladesh (Work)

ABOUT ME

I am Dr. Jannat Shopan, serving as an Assistant Professor in the Department of Haor and Hill Agriculture at Habiganj Agricultural University, Bangladesh. My expertise is in molecular science, focusing on molecular plant breeding, plant viruses and fungi, and plant growth regulation, with a special interest in haor and char ecosystems. I completed my Ph.D. and postdoctoral research at Zhejiang University, China, and another postdoc at Sylhet Agricultural University, Bangladesh, under the BAS-USDA funded project. I hold an MSc in Agronomy from Bangladesh Agricultural University and have over four years of research experience. I started my career in 2012 as a Scientific Officer at BRRI and have published 16 research articles.

EDUCATION AND TRAINING

01/09/2013 – 10/03/2017 Hangzhou, China
DOCTOR OF PHILOSOPHY (PHD) IN OLERICULTURE Zhejiang University

Website https://www.zju.edu.cn/english/

01/06/2010 – 10/12/2012 Mymensingh, Bangladesh
MASTER OF SCIENCE IN AGRONOMY Bangladesh Agricultural University

Website https://bau.edu.bd/

04/04/2006 – 01/04/2010 , Mymensingh, Bangladesh
BACHELOR OF SCIENCE IN AGRICULTURE Bangladesh Agricultural University

Website https://bau.edu.bd/

WORK EXPERIENCE

01/06/2023 – 19/03/2024 Sylhet, Bangladesh
POST-DOCTORAL RESEARCHER SYLHET AGRICULTURAL UNIVERSITY

01/07/2017 – 30/06/2019 Hangzhou, China
POST-DOCTORAL RESEARCHER ZHEJIANG UNIVERSITY

01/06/2012 – 12/08/2013 Gazipur, Bangladesh
SCIENTIFIC OFFICER BANGLADESH RICE RESEARCH INSTITUTE

DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Office Management | Data Analysis, Data Discovery, Data Profiling | Bioinformatic Tools

LANGUAGE SKILLS

Mother tongue(s): **BANGLA**

Other language(s): **ENGLISH**

COMMUNICATION AND INTERPERSONAL SKILLS

Extension Field Trip in Daulatpur Upazila of Kustia District

CONFERENCES AND SEMINARS

23/05/2024 – 24/05/2024 Sylhet Agricultural University, Bangladesh

Role of Melatonin (MT) in Adaptation of Spinach (Spinacia oleracea) Farming under Acidic Soil Condition.

Link https://www.researchgate.net/publication/383606649_Role_of_Melatonin_MT_in_Adaptation_of_Spinach_Spinacia_oleracea_Farming_under_Acidic_Soil_Condition

23/05/2024 – 24/05/2024 Sylhet Agricultural University, Bangladesh

Role of Melatonin on Fiber Quality Enhancement of Cotton (Gossypium hirsutum) at Rainfed Condition.

Link https://www.researchgate.net/publication/383604546_Role_of_Melatonin_on_Fiber_Quality_Enhancement_of_Cotton_Gossypium_hirsutum_at_Rainfed_Condition

CREATIVE WORKS

09/10/2012 – 11/10/2012

Hybrid Rice Seed Production Technology, Sponsored by PIU-BARC NATP Phase:1

HOBBIES AND INTERESTS

Molecular plant breeding, Pant virus and fungus, Regulation of plant growth and development, Haor and Char

HONOURS AND AWARDS

15/08/2013

Chinese Government Scholarship (CSC) scholarship – Chinese Government

10/09/2011

National Science and Technology Fellowship (NST) – Ministry of Science and Technology, Bangladesh

PUBLICATIONS

2024

eIF2Bβ confers resistance to Turnip mosaic virus by recruiting ALKBH9B to modify viral RNA methylation.

Sha, T., Li, Z., Xu, S., Su, T., Shopan, J., and Yang, J., 2024. eIF2Bβ confers resistance to Turnip mosaic virus by recruiting ALKBH9B to modify viral RNA methylation. Plant biotechnology journal, 22(11), pp.3205-3217.

2024

An update on post-harvest losses of onion and employed strategies for remedy.

Suravi, T.I., Hasan, M.K., Jahan, I., Shopan, J., Saha, M., Debnath, B. and Ahammed, G.J., 2024. An update on post-harvest losses of onion and employed strategies for remedy. Scientia Horticulturae, 338, p.113794.

2024

Silicon Nanomaterials Enhance Seedling Growth and Plant Adaptation to Acidic Soil by Promoting Photosynthesis and Antioxidant Activity in Mustard (Brassica campestris L.).

Hasan, M.K., Shopan, J., Jahan, I. and Suravi, T.I., 2024. Silicon Nanomaterials Enhance Seedling Growth and Plant Adaptation to Acidic Soil by Promoting Photosynthesis and Antioxidant Activity in Mustard (Brassica campestris L.).

2024

Heavy metals and microplastics derived from laboratory effluents enhance toxicological risks to the ecosystems of canals in Bangladesh.

Hasan, M.K., Jahan, I., Suravi, T.I., Al Hasib Imon, M.A., Shopan, J. and Ahammed, G.J., 2024. Heavy metals and microplastics derived from laboratory effluents enhance toxicological risks to the ecosystems of canals in Bangladesh.

2024

Melatonin in plants: roles in plants growth and development and stress response.

Hasan, M. K., Shopan, J., Ahammed, G. J., and Zhou, J., 2024. Melatonin in plants: roles in plants growth and development and stress response. Plant life and environment dynamics, Chapter 13, Springer.

2022

Long- Term Traditional Fertilization Alters Tea Garden Soil Properties and Tea Leaf Quality in Bangladesh.

Jahan I, Shopan J, Rahman MM, Sarkar A, Baset MA, Zhang Z, Li X, Ahammed GJ, Hasan MK. Long- Term Traditional Fertilization Alters Tea Garden Soil Properties and Tea Leaf Quality in Bangladesh. Agronomy. 2022 Sep 7;12(9):2128.

2020

Identification and characterization of Arabidopsis thaliana mitochondrial F1F0-ATP ase inhibitor factor 1.

Chen C, Meng Y, Shopan J, Whelan J, Hu Z, Yang J, Zhang M. Identification and characterization of Arabidopsis thaliana mitochondrial F1F0-ATP ase inhibitor factor 1. Journal of Plant Physiology. 2020 Nov 1;254:153264.

2020

Eukaryotic translation initiation factors shape RNA viruses resistance in plants.

Shopan J, Lv X, Hu Z, Zhang M, Yang J. Eukaryotic translation initiation factors shape RNA viruses resistance in plants. Horticultural Plant Journal. 2020 Mar 1;6(2):81-8.

2020

Nanomaterial and soil health for agricultural crops production: Current status and future prospects.

Hasan, M. K., Shopan, J., and Ahammed, G. J., 2019. Nanomaterial and soil health for agricultural crops production: Current status and future prospects. Nano Material for Agriculturure and Forestry Application, Chapter 8, Elsevier.

2019

Identifcation of eukaryotic translation initiation factors and the temperature0 0 dependent nature of Turnip mosaic virus epidemics in allopolyploid Brassica juncea. 3Biotech.

Shopan, J, Liu, C, Hu, Z, Zhang, M, Yang, J (2019). Identifcation of eukaryotic translation initiation factors and the temperature0 0 dependent nature of Turnip mosaic virus epidemics in allopolyploid Brassica juncea. 3Biotech.

2017

Eukaryotic translation initiation factor 2B-beta (eIF2Bβ), a new class of plant virus resistance gene.

Write here the description...

Shopan, J., Mou, H., Zhang, L., Zhang, C., Ma, W., Walsh, J.A., Hu, Z., Yang, J. and Zhang, M. (2017). Eukaryotic translation initiation factor 2B-beta (eIF2Bβ), a new class of plant virus resistance gene. Plant Journal, 2017, 90: 929-940.

2016

The genome sequence of allopolyploid Brassica juncea and analysis of differential homoeolog gene expression influencing selection.

Yang, J., Liu, D., Wang, X., Ji, C., Cheng, F., Yao, P., Li, X., Xie, K., Zhang, J., Shopan, J., Zheng, H., Mackenzie, S. A. and Zhang, M. (2016). The genome sequence of allopolyploid Brassica juncea and analysis of differential. Nature Genetics

2016

https://www.researchgate.net/publication/312187829_Selection_of_novel_upland_cotton_cultivars_Gossypium_hirsutum_L_by_investigating_fiber_qu

Hasan, M.K., Shopan, J., Rob, M. M., Rahman, H., and Alam, J. 2016. Selection of novel upland cotton cultivars (Gossypium hirsutum L.) by investigating fiber of Bangladesh. International Journal of Bioscience, 9, pp 177-186.

2013

Comparative study on yield performance of upland cotton (Gossypium hirsutum L.) in Bangladesh.

13.Shopan, J., Hasan, M.K., Hossain, M.S., and Azad A.K., 2013. Comparative study on yield performance of upland cotton (Gossypium hirsutum L.) in Bangladesh. Bang. J. Prog. Sci. Tech. 11(1): 103-106.

2012

Evaluation of cotton based inter cropping for northern region of Bangladesh.

Shopan, J.,Azad, A.K.,Rahman H, Mondol M.S., Hasan M.K., 2012. Evaluation of cotton based inter cropping for northern region of Bangladesh. Int. J. Agro. Agril. Res. 2(12): 43-49.

2012

The feasibility of crop diversification in rice based cropping systems in haor ecosystem.

14.Shopan, J., Bhuiya, M.S.U., Kader , M. A. and Hasan, M.K., 2012. The feasibility of crop diversification in rice based cropping systems in haor ecosystem. J. Bangladesh Agril. Univ. 10(2): 211–216.

RECOMMENDATIONS

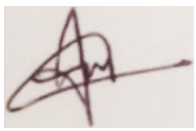
Prof. Dr. Md Sultan Uddin Bhuiya UGC Professor at Bangladesh Agricultural University

- I strongly recommend

Email sultanagron50@yahoo.com | **Phone** (+880) 1711869514

A highly motivated professional with a strong commitment to excellence, eager to contribute my skills and experience to drive success and growth. Looking forward to bringing my expertise to a dynamic team and making a meaningful impact.

Habiganj, Bangladesh , 13/01/2025



Dr. Jannat Shopan