**MD. nayan**

Ashraful Haque Hall, Bangladesh Agricultural university, Mymensingh – 2202, Bangladesh

**Phone:** +8801794-382246 | **Email:** [nayan.24120120@bau.edu.bd](mailto:nayan.24120120@bau.edu.bd)

[**LinkedIn**](http://www.linkedin.com/in/md-nayan) **|** [**ResearchGate**](https://www.researchgate.net/profile/Md-Nayan-5?ev=prf_overview) **|** [**Google Scholar**](https://scholar.google.com/citations?user=YefXpb8AAAAJ&hl=en)

***RESEARCH INTERESTS***

* Plant ecology for sustainable crop production
* Precision agriculture and water saving technologies
* Crop modeling
* Abiotic Plant stress
* Soil fertility, nutrition management and vegetable production

***education***

|  |  |
| --- | --- |
| **Masters in Agronomy** | **April 2024 - Present** |
| Bangladesh Agricultural University, Mymensingh |  |
| CGPA: 3.865/4.00 |  |
| Thesis: Effect of mulching and drip irrigation on water use efficiency and yield of brinjal | |
| **Bachelor of Science in Agriculture** | **January 2019- April 24** |
| Bangladesh Agricultural University, Mymensingh |  |
| CGPA: 3.672/4.00 |  |

***Research Exprience***

|  |  |
| --- | --- |
| **Graduate Research Assistant** | **April 2024 - Present** |
| Department of Agronomy |  |
| Bangladesh Agricultural University, Mymensingh |  |
| **Research Assistant** | **January 2024 - present** |
| Bangladesh Agricultural University Research System (BAURES) |  |

***LINGUISTIC PROFICIENCY***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| IELTS: 7.5 | Listening: 8.0 | Reading: 9.0 | Writing: 6.5 | Speaking: 7.0 | **July 2025** |

***PROJECTS***

* Effect of row orientation and arrangement on the performance of Maize Soybean inter-cropping system funded by Ministry of Education.
* Effect of mulching and drip irrigation on water use efficiency and yield of brinjal funded by Australian Centre for International Agricultural Research (ACIAR).

***CONFERENCE***

* 23rd National and 2nd International Agronomy Conference 2025
* Presented poster titled “Effect of Foliar zinc and sucrose application on the performance of AMF-Inoculated rainfed Maize.”

***PUBLICATIONS***

* **Nayan, M**., Rashid, M. H., et al. Influence of row orientation with crop arrangement or fertilizer management on the productivity of maize–soybean intercropping system across two consecutive years. (**Under preparation**)
* **Nayan, M**., Rashid, M. H., et al. (in preparation). Effect of foliar zinc with iron or sucrose supply on the performance of arbuscular mycorrhizal fungi-inoculated maize over two consecutive years. (**Under preparation**)
* Suma, R. P., Rahman, M.M., Tandra, J.P., **Nayan, M.**, Paul, P. C., Paul. S. K., Uddin, F. M. J., Rashid, M. H. Seed priming followed by foliar application with zinc and silicon can increase the productivity of dry direct seeded rice (**Submitted**)
* Roy, C., Uddin, M. N., Ahmed, M. T., **Nayan, M.**, Sadia, H. T., & Rashid, M. H. (2025). Effect of Cowpea Sowing Dates on the Yield Performance of Maize and Cowpea Under Additive Intercropping System*. Fundamental and Applied Agriculture 10*(01), 350-361.DOI: <https://doi.org/10.5455/faa.267330>
* Rashid, M. H., Akter, M. R., Yeasmin, S., Sadia, H. T., Onna, K. A. M., **Nayan, M**., & Ahmed, R. (2024). Foliar Supplementation of Boron Enhances the Performance of Inbred and Hybrid Boro Rice Varieties. *Fundamental and Applied Agriculture*, *9*(2), 131-137.DOI: [https://doi.org/10.5455/faa.20977](https://doi.org/10.5455/faa.209770)

[***extra curricular activities***](https://doi.org/10.5455/faa.209770)

[**Tedx Bangladesh Agricultural University**](https://doi.org/10.5455/faa.209770) **February 25**

Curator

[**Bangladesh Agricultural University Career Club (BAUCC)**](https://doi.org/10.5455/faa.209770) **March 2024 – March 25**

Additional General Secretary

**The Network Research and Publications Jun 2021 – Jan 24**

Writer of Intermediate level Physics and Chemistry

[**Bangladesh Agricultural University Photographic Society (BAUPS)**](https://doi.org/10.5455/faa.209770) **April 2022 – March 24**

Media & Relation Secretary

[**Hult prize Bangladesh Agricultural University**](https://doi.org/10.5455/faa.209770) **Oct 2020 – Dec 20**

Finance & logistics officer

[***TRAINING***](https://doi.org/10.5455/faa.209770)

* [Soft skills training by Bangladesh Agricultural University Career Club (BAUCC)](https://doi.org/10.5455/faa.209770)
* [Extension Field trip attachment at Jhenaigati, Sherpur for 6 days](https://doi.org/10.5455/faa.209770)
* Data Analysis and Visualization using R by Agrinformatics

[***SKILLS and competencies***](https://doi.org/10.5455/faa.209770)

[**Laboratory: |** Chlorophyll extraction**,** vitamin extraction and determination**|** Analysis of Reactive Oxygen Species (H202, MDA), Antioxidant (APX, CAT and Proline) content in plant **|** Measurement of Leaf area index **|**](https://doi.org/10.5455/faa.209770)

[**Field: |** Experimental Designing **|** Determination of Chlorophyll content (SPAD Value) **|** Extension activities **|** Determination of Photosynthesis rate, leaf temperature, photosynthetically active radiation **|** Determination of moisture content and soil temperature **|**](https://doi.org/10.5455/faa.209770)

[**Software: |**Microsoft suite **|** Illustration **|** Data analysis (R)](https://doi.org/10.5455/faa.209770) |

[***Awards & Scholarship***](https://doi.org/10.5455/faa.209770)

* [**National Science & Science Technology Fellowship**](https://doi.org/10.5455/faa.209770) **February 25**

[Ministry of Science and Technology, Dhaka, Bangladesh](https://doi.org/10.5455/faa.209770)

[***REFERNECES***](https://doi.org/10.5455/faa.209770)

# Dr. F M Jamil Uddin

Professor

Department of Agronomy

Bangladesh Agricultural University Mymensingh

Contact No: +8801724628365

Email: jamil.bau@gmail.com

**Dr. Md. Rashedur Rahman**

Professor

Department of Agronomy

Bangladesh Agricultural University Mymensingh

Contact No: +8801717362531

Email: rashedagron@bau.edu.bd

**Dr. Md. Harun Or Rashid**

Professor

Department of Agronomy

Bangladesh Agricultural University Mymensingh

Contact No: +8801726559526

Email: mhrashid@bau.edu.bd