



## CURRICULUM VITAE

# Nasrin Parvin

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### MAILING ADDRESS :

**Nasrin Parvin,**  
**D/O Sk Nousir Ali**  
**Alipur, Boinchigram**  
**Hooghly (W.B.) – 712135 INDIA**

### PERMANENT ADDRESS :

**Nasrin Parvin,**  
**D/O Sk Nousir Ali**  
**Alipur, Boinchigram**  
**Hooghly (W.B.) – 712135 INDIA**

### PERSONAL INFORMATION :

**Father's Name** : Sk Nousir Ali  
**Mother's Name** : Rohima Bibi  
**Date of Birth** : 29<sup>th</sup> November 1995  
**Marital Status** : Single  
**Nationality** : Indian  
**Religion** : Muslim  
**Languages Known** : Bengali, Hindi, and English

### GENERAL SKILLS AND STRENGTH :

1. Knowledge of Biological Science and Local Language.
2. Excellent Analytical, Decision Making and Problem Solving.
3. Friendly in Nature, Handling Stress and Result Orientation.

### CAREER OBJECTIVES AND SUMMERY :

*Nasrin Parvin* is a plant science professional presently working as an assistant professor in botany at Government General Degree College Mohanpur. She is also pursuing her doctoral degree in the laboratory of Applied and Molecular Mycology and Plant Pathology, situated in the Department of Botany at Burdwan University, India. In 2020, she was awarded a *UGC Junior Research Fellowship* for her doctoral studies by the University Grant Commission (UGC) under the auspices of the Government of India. Ms. Parvin is currently engaged in a research project focused on the "Screening of Plant Growth Promoting Rhizobacteria and Fungi for Developing Microbial Consortia to Enhance Growth and Aroma of Local Aromatic Rice Cultivars." In her previous academic pursuit, she conducted a master's dissertation titled "*In Silico* Structural Functional and Phylogenetic Analysis of ACC Deaminase: An Enzyme with Stress-Alleviating Properties." Ms. Parvin successfully obtained her Bachelor of Science (B.Sc.) and Master of Science (M.Sc.) degrees in the field of plant science, specifically botany, in the years 2017 and 2019, respectively, from the esteemed University of Burdwan located in West Bengal, India. She achieved the third highest position in her undergraduate studies at the university and was also honored with the college's top award at Chandernagore College, located in West Bengal, India. She successfully cleared national-level examinations such as the CSIR-UGC NET and GATE in the years 2019 and 2020, respectively. In the year 2020, she successfully met the eligibility criteria and obtained qualification for the state-level examination known as WBSET. In addition to her specialized expertise in *Microbiology*, she has also developed a strong foundation in *Plant Stress Physiology*, *Plant Pathology*, *Molecular Mycology*, *Agricultural Microbiology*, and *Bioinformatics*, and related fields. Furthermore, she actively engages in attending conferences, seminars, workshops, training sessions, and contributing to the publication of research articles, books, and book chapters.

## ACADEMIC PROFILE :

**Nasrin Parvin**

**Current Position: Assistant Professor**

**College:** Government General Degree College Mohanpur

Assistant Professor in Botany,

Department of Botany,

Paschim Medinipur (W.B.) – 721436 INDIA

**ResearchGate Profile:** [https://www.researchgate.net/profile/Nasrin\\_Parvin\\_3](https://www.researchgate.net/profile/Nasrin_Parvin_3)

**Total Research Items** All (6); Article (5); Conference Paper (1)

**Since 2022** **Total Citations:** More than 16

**Total Scores:** More than 36.7

**Total Reads:** More than 1190

## DOCTORAL RESEARCH ASSIGNMENT :

### “Screening of Plant Growth Promoting Rhizobacteria and Fungi for Developing Microbial Consortium to Increase Growth and Aroma of Some Local Aromatic Rice Cultivars”

**Supervisor: Prof. Sikha Dutta**

Professor of Botany,

Applied and Molecular Mycology

and Plant Pathology,

Department of Botany,

Bardhaman (W.B.) – 713104 INDIA

**Mobile:** +00-91-9434672206

**E-mail:** [sikha.bu.academia@gmail.com](mailto:sikha.bu.academia@gmail.com)

[sikha\\_bu\\_bot@yahoo.co.in](mailto:sikha_bu_bot@yahoo.co.in)

## EDUCATIONAL QUALIFICATIONS :

*Jul 2020*

**WBSET Examination (Life Science)**

West Bengal College Service Commission

Kolkata (W.B.) – 700 156 INDIA

**Web:** [www.wbcsconline.in](http://www.wbcsconline.in)

*Mar 2020*

**GATE (XL) 2020 (AIR 1289)**

Indian Institute of Technology (Delhi)

New Delhi – 110 001 INDIA

**Web:** [www.iitd.ac.in](http://www.iitd.ac.in)

*Dec 2019*

**CSIR-UGC NET JRF (AIR 72)**

Council of Scientific and Industrial Research

New Delhi – 110 001 INDIA

**Web:** [www.csir.res.in](http://www.csir.res.in)

*Jun 2019*

**CSIR-UGC NET L.S. (AIR 25)**

Council of Scientific and Industrial Research

New Delhi – 110 001 INDIA

**Web:** [www.csir.res.in](http://www.csir.res.in)

*Sep 2017 – Aug 2019*

**M. Sc. in Botany specialization Microbiology**

**81.20% 1<sup>st</sup> Division**

Department of Botany,

Burdwan University,

Hooghly (W.B.) – 713 104 INDIA  
Web: [www.buruniv.ac.in](http://www.buruniv.ac.in)

**Jul 2014 – Aug 2017**

**B. Sc. in Botany**  
**76.30% 1<sup>st</sup> Division**  
Chandernagore College  
Burdwan University,  
Hooghly (W.B.) – 712 136 INDIA  
Web: [www.chandernagorecollege.ac.in](http://www.chandernagorecollege.ac.in)

**Jun 2014**

**Intermediate (10+2)**  
Biology, Physics, Mathematics  
**83.00% 1<sup>st</sup> Division**  
WBCHSE, West Bengal  
Pandua S.B.S High School, Pandua  
Hooghly (W.B.) – 712 149 INDIA

**Jun 2012**

**High School (10)**  
Science  
**90.70% 1<sup>st</sup> Division**  
WBBSE, West Bengal,  
B. B. B. Vidyalaya, Boinchigram  
Hooghly (W.B.) – 712 135 INDIA

## AREA OF INTERESTS :

Mycology and Plant Pathology; Identification characterization of soil microbes, Microbiology; Development of sustainable agriculture; Crop improvement and improvement of soil health. Analytical Techniques; Bioinformatics; Protein modeling using bioinformatics tools.

## PAPER PUBLICATIONS :

1. Roy, S., Mukherjee, B., **Parvin, N.**, and Dutta, S. (2025). Green synthesis of silver nanoparticles from endophytic fungus *Colletotrichum* sp. with special emphasis on antibacterial, antioxidant and plant growth promoting potential. *Plant Science Today*, (12)1, 1-12. <https://doi.org/10.14719/pst.3787>. **IF:0.9**
2. Mukherjee, B., Roy, S., **Parvin, N.**, and Dutta, S. (2024) Effectiveness of Phosphate-Solubilizing *Aspergillus fumigatus* MCC 1721 in Boosting Fenugreek Yield in Red Laterite Soil. *Journal of soil science and plant Nutrition*. P-1-17. <https://doi.org/10.1007/s42729-024-02071-7>. **IF: 4.2**
3. **Parvin, N.**, Mukherjee, B., Roy, S., & Dutta, S. (2023). Characterization of plant growth promoting rhizobacterial strain *Bacillus cereus* with special reference to exopolysaccharide production. *Journal of Plant Nutrition*, 46(11), 2608-2620. <https://doi.org/10.1080/01904167.2022.2160740> **IF: 2.77**
4. Mukherjee, B., Roy, S., **Parvin, N.**, Tarafdar, S., & Dutta, S. (2023). Characterization of a potent plant growth promoting fungal strain *Aspergillus fumigatus* MCC 1721 with special reference to indole-3-acetic acid production. *Plant Science Today*, 10(1), 210-223. <http://doi.org/10.14719/pst.1991> **IF:0.9**
5. Choudhury, D., Tarafdar, S., **Parvin, N.**, Rit, R., Roy, S., & Dutta, S. (2023). Endophytic microbes and their diverse beneficial aspects in various sectors: A critical insight. *Plant Science Today*, 10(1), 96-107. <http://doi.org/10.14719/pst.1877>. **IF: 0.9**

## CONFERENCE PAPERS :

1. **Parvin, N.**, Mukherjee, B., Roy S., Tarafdar, S., & Dutta, S. (2021). Characterization of plant growth promoting fungal strain *Paradendryphiella arenariae* MCC 9730 with special reference to IAA production.

## ORAL / POSTER / PAPER PRESENTATIONS :

1. Oral Presentation on “*Salinity stress tolerance in aromatic rice as influenced by rhizobacteria producing exopolysaccharides*” (Parvin, N., and Dutta, S) on 23<sup>rd</sup> – 24<sup>th</sup> March 2024 on 2<sup>nd</sup> Botanical Congress 2024 on Plant Science and Society organized by Department of Botany, the University of Burdwan, Purba Bardhaman, West Bengal 713104, INDIA.
2. Oral presentation on “*Influence of Co-inoculation on the Resilience of Badshah Bhog Aromatic Rice under Salinity Stress Conditions*” (Parvin, N., Mukherjee, B., Roy S., and Dutta, S.) in “*International Conference on Fungal Biology and Plant-Microbe Interactions 2024*” (16<sup>th</sup> to 18<sup>th</sup> February 2024) organized by Department of Botany, Banaras Hindu University, Varanasi, (U. P.) -221 005, India
3. Oral presentation on “*Salinity Tolerance in Aromatic Rice as Influenced by Rhizobacteria Generating Exopolysaccharides*” (Parvin, N., and Dutta, S.) in “*64<sup>th</sup> Annual International Conference of the Association of Microbiologists of India (AMI)*” (1<sup>st</sup> to 3<sup>rd</sup> December 2023) organized by Bundelkhand University, Jhansi, (U.P.) – 184 128 INDIA
4. Poster presentation on “*Utilization of Endophytic Fungi for Stimulation of Plant Growth and Alleviation of Abiotic Stress in Rice: A Recent Breakthroughs*” (Parvin, N., and Dutta, S.) in an international conference on “*4<sup>th</sup> World Environment Summit 2023*” (4<sup>th</sup> to 6<sup>th</sup> November 2023) jointly organized by Environment and Social Development Association (ESDA) Delhi INDIA and Galgotias University, Yamuna Expressway, Greater Noida, (U.P.) – 203 135 INDIA
5. Poster presentation on “*Characterization of Plant Growth Promoting Bacterial Strain Bacillus Cereus with Special Reference to Phosphate Solubilization*” (Parvin, N., Mukherjee, B., Roy S., and Dutta, S.) in an international conference on “*Life and Environment: Issues and Concern*” (9<sup>th</sup> March, 2023) organized by Department of Botany, Vivekananda Mahavidyalaya, Bardhaman (W.B.) – 713 104 INDIA
6. Poster presentation on “*Impact Assessment of Concurrent Microbial Fortification on Gobinda Bhog Rice*” (Parvin, N., Mukherjee, B., Roy S., and Dutta, S.) in an international conference on “*Opportunities and Challenges in Biological Science and Sports Science*” (5<sup>th</sup> – 6<sup>th</sup> March, 2023) organized by Internal Quality Assurance Cell, Gushkara Mahabidyalaya, Purba Bardhaman (W.B.) – 713 128 INDIA
7. Poster presentation on “*Characterization of Plant Growth Promoting Fungal Strain Paradendryphiella arenariae MCC 9730 with Special Reference to IAA Production*” (Parvin, N., Mukherjee, B., Roy S., Tarafdar, S., and Dutta, S.) in a national conference on “*Biodiversity: Assessment, Issues, Ethics, and Management- A Global Scenario*” (5<sup>th</sup> – 6<sup>th</sup> March, 2022) organized by Department of Botany, East Calcutta Girls College, Kolkata (W.B.) – 700 064 INDIA

## SEMINARS / CONFERENCES / WEBINARS ATTENDED :

1. Attended national webinar on “**Challenges in Environmental Microbiology**” (31<sup>ST</sup> August, 2020) organized by IQAC cell of Chakdaha College (W.B.) INDIA
2. Attended national webinar on “**Environment, Life-Style and Weight Management: Preventive Measure to Cardiovascular Disease**” (28<sup>th</sup> August, 2020) organized by Satyawati College, University of Delhi (New Delhi) INDIA
3. Attended international webinar on “**Science Biology and The World's Future**” (25<sup>th</sup> August, 2020) organised by Dinabandhu Andrews College, Kolkata (W.B.) INDIA
4. Attended international webinar on “**Sustainability Amidst The COVID-19 Pandemic**” (12<sup>th</sup> – 13<sup>th</sup> August 2020) organized by Charuchandra College, Kolkata (W.B.) INDIA
5. Attended national webinar on “**COVID-19 Searching New Paves from Molecules to Medicines**” (11<sup>th</sup> August 2020) organized by Hooghly Mohsin College, Burdwan University (W.B.) INDIA

6. Attended webinar on “Urban and Mangrove Plantation- A Post Amphan Introspection” on (28<sup>th</sup> July, 20) organized by Charuchandra College, Kolkata (W.B.) INDIA

## ACHEIVEMENTS / FELLOWSHIPS :

1. “*Woman Scientist Award 2024*” in “*International Conference on Fungal Biology and Plant-Microbe Interactions 2024*” (16<sup>th</sup> to 18<sup>th</sup> February 2024) organized by Department of Botany, Banaras Hindu University, Varanasi, (U. P.) -221 005, INDIA
2. “*ESDA Young Researcher Award 2023*” in “*4<sup>th</sup> World Environment Summit 2023*” organized by Environment and Social Development Association (ESDA) Delhi INDIA and Galgotias University, Yamuna Expressway, Greater Noida, (U.P.) – 203 135 INDIA
3. “*West Bengal State Eligibility Test (WBSET) 2020*” in Life Science by West Bengal College Service Commission, Kolkata (W.B.) – 700 156 INDIA
4. “*GATE 2020 Examination*” in Life Science with All India rank 1289 conducted by Indian Institute of Delhi, (New Delhi)– 110 001 INDIA
5. “*UGC Junior Research Fellowship 23-01-2020*”, a fellowship grant for PhD study by the University Grant Commission, Govt. of India. (Ref No. 191620107841), New Delhi– 110 001 INDIA
6. “*Department Medalist*” for scoring highest marks in college (in Botany) during Bachelor's degree (2017) in the Department of Botany, Chandernagore College, Burdwan University, Hooghly (W.B.) – 712 136 INDIA
7. “*Hazi Mohammad Mohsin Scholarship*” for scoring highest marks in Matriculation in Pandua Block (2012), Hooghly (W.B.) – 712 135 INDIA

## TECHNICAL SKILLS :

- Basic Knowledge of Computer Applications.

## REFERENCES :

### **Prof. (Dr.) Sikha Dutta**

Professor of Botany  
Department of Botany,  
University of Burdwan,  
Bardhaman (W.B.) –713104 INDIA

**Mobile:** +00-91-9434672206

**Email:** [sikha.bu.academia@gmail.com](mailto:sikha.bu.academia@gmail.com)  
[sikha\\_bu\\_bot@yahoo.co.in](mailto:sikha_bu_bot@yahoo.co.in)

### **Prof. (Dr.) Tushar Kanti Maity**

Professor of Botany  
Department of Botany,  
University of Burdwan,  
Bardhaman (W.B.) –713104 INDIA

**Mobile:** +00-91-9434167047

**Email:** [tkmmicrobiology@gmail.com](mailto:tkmmicrobiology@gmail.com)  
[tkmbu@yahoo.co.in](mailto:tkmbu@yahoo.co.in)

## DECLARATIONS :

I, **Nasrin Parvin** daughter of **Mr. Sk Nousir Ali**, hereby declare that all the information provided here is correct to the best of my knowledge and belief and I promise to abide all the norms laid down by your esteemed organization.

**Date:** 14/03/2025

**Place:** Mohanpur

Sincerely

*Nasrin Parvin*