



Office of the Sub-Project Manager

HEAT Project (SP 13692)

Department of Soil Science
Gazipur Agricultural University (GAU)



22 September 2025

Circular for Graduate Scholarships under the HEAT Sub-Project (SP 13692)

1. Graduate Scholarships Available

Graduate scholarships are available under the following HEAT Sub-Project (SP 13692) of Gazipur Agricultural University:

“Fertilizer Management and Plant Probiotic-Assisted Rhizoengineering in Greenhouse Gas Emissions and Carbon Footprint in Crop Cultivation”

This project is funded by the Government of Bangladesh and the World Bank through the University Grants Commission (UGC) of Bangladesh. The project will recruit Four PhD students and Three MS students.

2. Details of Positions

1) PhD Positions (Total: 4)

a) Department of Soil Science (3 PhD positions)

Research Areas

- Greenhouse gas (GHG) emission, carbon sequestration, carbon footprint, N use efficiency (NUE) and N losses in rice-rice-rice cropping pattern at GAU campus using LiCOR equipment;
- Similar study at farmers' fields using GC equipment under different fertilizer management practices; and
- Mobile-based SANH N app for judicious fertilizer application, GHG emission, carbon footprint, NUE and N losses in rice-rice-rice cropping both at GAU campus and farmers' fields.

Eligibility: MS degree in Agricultural Sciences, preferably Soil Science.

b) Department of Environmental Science (1 PhD position)

Research Area

- Effect of plant probiotics on crop productivity, bioactive compounds, GHG emission, and soil health under field conditions.

Eligibility: MS degree in Agricultural Sciences, preferably Environmental Science.

3. Preferred Qualifications (for PhD candidates)

- Research experience in climate change issues;
- Peer-reviewed journal publication(s);
- Strong command of English (reading, writing, speaking); and
- Skills in ICT, modeling, data analysis, and report writing.

2) MS Position (01)

a) Department of Soil Science

Eligibility: BS (Agriculture)/BScAg (Agriculture) from any reputed Agricultural University.

Research Areas

- Efficient management of organic and inorganic fertilizers for improving soil health and increasing crop yields;

4. Terms of Reference (ToR)

1) Admission Requirement

Selected candidates must enroll in the respective department of GAU in Autumn 2025 Term.

2) Duration of Scholarship

- PhD: 35 months
- MS: 18 months

3) Scholarship Amount:

- **PhD students:** BDT 50,000/month
- **MS students:** BDT 30,000/month

4) Documents Required: Copies of the following documents

- Forwarding letter with a passport size photograph
- Curriculum Vitae (CV)
- Letter of motivation
- Bachelor and MS certificates
- Bachelor and MS transcripts
- NID
- First page of publication(s) (if any)

5) Application Submission

Applications must be submitted by 07 October during office time to the undersigned



Prof. Dr. Md. Mizanur Rahman

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