



## Mirza Mobashwerul Haque

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### Personal information

Assistant professor, Department of Agronomy, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

### Profile

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Recently, I have completed my MSc program in Environmental science from Wageningen university and research, Netherlands. After completing study leave for MSc program, I have joined again at department of Agronomy, Sher-e-Bangla Agricultural University as a faculty.

In my MSc major thesis, I looked for the influence of cover crop mixture residues on bioavailability of soil nutrient and yield contributing characters of next main crop (wheat). In my MSc internship at GCER (the University of Newcastle, Australia), I have learned various technique related to bioremediation of heavy metal as for As, Pb and a few other metals under the supervision of Dr Mahmud Rahman. Along with this, Dr Mahmud attached me with two of his fellow PhD students and I assisted them during my entire internship period.

I think, in terms of results and objectives, I am enthusiastic, and I can work hard to achieve the expected goal.

### Academic qualification

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January,2017 to July,2018: Master's in environmental science

Soil Biology, Wageningen University and research,  
6708 AK, Gelderland, Netherlands.

Supervisor: Prof. dr.ir.GB (Gerlinde) de Deyn

Soil Biology and Biological interaction of soil

Wageningen University and research.

Fund: NFP (Nuffic Fellowship Program), Netherlands.

October,2018 to February,2019: Internship and lab training

GCER, The University of Newcastle, NSW 2308.

Supervisor: DR Mohammad Mahmudur Rahman  
Senior Research Fellow

Global Centre for Environmental Remediation (GCER)  
Faculty of Science and Information Technology.

[Mahmud.rahman@newcastle.edu.au](mailto:Mahmud.rahman@newcastle.edu.au)

Mob No: +61431258509

Fund: NFP (Nuffic Fellowship Program), Netherlands

2011 to 2013: Master in agronomy, Sher-e-Bangla Agricultural University  
Dhaka-1207, Bangladesh.

2006 to 2009: BSc Agriculture (Hons), Sher-e-Bangla Agricultural University,  
Dhaka, Bangladesh.

### **Professional experience**

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2014 to 2016: Lecturer, Sher-e-Bangla Agricultural University, Dhaka,  
Bangladesh.

Responsibilities: Teaching and Research work.

2016 to present: Assistant Professor, Department of Agronomy, Sher-e-Bangla  
Agricultural University, Dhaka, Bangladesh.

Responsibilities: Teaching, Conducting Research, and Supervising  
MSc students.

### **English Language Skill**

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Communication skill: I have fully effective command on English language despite some inaccuracies, but I can communicate with English speaking people fluently.

IELTS Sores: Listening: 6.5, Reading: 6.5, Writing: 6.0, Speaking: 6.5, and Overall: 6.5

### **Other Skills**

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Research skill: Working experience in experiment set up research work in greenhouse,  
Experience on GHG measurement by photo-acoustic spectroscopy. Experience  
on social science research.

Lab skill: Block digestion for plant samples and microwave digestion for soil samples,  
Determination of heavy metal by ICP-MS and ICP-OES method for plant and  
soil samples, Determination of bioavailable nitrogen from soil and plant by  
(SFA) CaCl<sub>2</sub> extraction method.

Computer skill: Microsoft Word and Excel, Software skills on SPSS and adobe photoshop.

Academic skill: Scientific Writing skills (ECS-65600), skills on Environmental Education and  
Learning for Sustainability (ECS-315806), Skills on Teaching, Learning and  
capacity building for Sustainable Development (ECS-32806). I have achieved  
above skills from Wageningen University and research.

## Published Articles

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- 1) Haque, M. M., Kabir, M. H., & Nishi, N. A., (2016). Determinants of Rice Farmers' Adoption of Integrated Pest Management Practices in Bangladesh. *management (IPM)*, 5, 6.
- 2) Haque, M. M., (2016). Relationship between characteristics of the rural youth and their participation in rural development activities in Bangladesh. *Int. J. A. R.* 2411-6610.
- 3) Alam, A. S. M. J., Haque, M. M., Katun, M.M., Zomo, S. A., & Haque, M. A., (2016). Relationship between socio-economic characteristics of farmer and their total crop production. *Int. J. A. R.* 2411-6610.
- 4) Haque, M.M., Chowdhury, M.H.B., Choudhury, M.P., Mondal, T. & Islam, M.A., (2016). Problem confrontation in sheep rearing at Gouripur upazila under Mymensingh district of Bangladesh. *J. Innov. Dev. Strategy.*10(2):1-4.
- 5) Md. Rafiqueel Islam, Mirza Mobashwerul Haque and Md. Bayzid Bostami .2016. Participation of rural youth in rural development activities in Bangladesh. *International Journal of Natural and Social Sciences.* 3(2): 12-20.

## Ongoing to publication

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- 1) Do cover crop mixtures promote mineral nitrogen availability and give higher wheat yield, Wageningen University, Netherlands.
- 2) Bioremediation of arsenic and other metals by arum plants at GECER Lab, The University of Newcastle.

## Current projects:

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Name of project	Position	Funding Organisation	Duration
Do crop mixtures promote more nutrient in rhizosphere region in order to get higher yield compared to their own monoculture?	Principle Investigator (PI)	Sher-e-Bangla Agricultural University Research System	June,2019 to June,2020
Concentrations of potentially toxic elements and health risk assessment in arum grown in arsenic-contaminated areas of Bangladesh	Principle Investigator (PI)	Science and Technology Ministry of Bangladesh	March,2019 to March,2020
Incidence and damage severity of major insect pest of squash and controlling of those pests through selective Botanicals.	Co-principle Investigator (Co-PI)	Science and Technology Ministry of Bangladesh	January,2019 to January,2020

## Research Interest

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Interested on decomposition of organic matter and mineralization of nitrogen in the soil, plant physiology, soil-plant interaction, interaction of plants and microbes, agronomic management of crop in stress condition, food security, conservation program and sustainable agriculture. I am also interested to integrate life science research with social science to see the social impacts.

## Personal Interests

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Travelling: I have travelled eighteen countries of Europe. Along with this, I also visited, United Kingdom, Australia, Singapore, Malaysia, India and many places of Bangladesh.

Gardening: Interested on roof-top gardening.

## References

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- 1) Prof. Dr. Md. Fazlul Karim  
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