

MD. OMAR ALI MOLLICK

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FIELD OF INTEREST

Soil health, nutrient recycling in soil, redressing soil contamination, soil and water conservation, soil organic matter, sustainable crop production, use of soil amendments (composts, manures and biochar).

EDUCATIONAL QUALIFICATIONS

2018, Graduation: Master of Science in Soil science at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.

Thesis Title: "Effect of Biochar on Yield and Quality of Potato (*Solanum tuberosum*) Tuber".

Course Studied: Statistical Methods and Design of Experiments, Soil Chemistry, Soil Microbiology, Soils of Bangladesh, Environments and Soil Pollution, Soil Physics, Soil Fertility and Plant Nutrition, Pedogenesis Soil Survey and Classification, Soil Organic Matter, Soil and Water Conservation.

2015, Undergraduate: Bachelor of Science in Agriculture (Hon's) at Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. (Exam. held in 2017).

Course Studied: Soil Science, Biochemistry, Entomology, Genetics and Plant Breeding, Biotechnology, Plant Pathology, Horticulture, Agricultural Botany, Agro forestry and Environmental Science, Agricultural Chemistry, Agronomy, Agricultural Economics, Animal Husbandry, Rural Sociology, Farm Mechanics, Agricultural Statistics, Sustainable Agriculture, Fisheries and Computer package.

PROFESSIONAL EXPERIENCES

Assistant Professor (27/12/2020-Till Date): Department of Soil Science, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Assistant Provost (01/07/2022- Till Date): Sher-e-Bangla Hall, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Lecturer (27/12/2018 – 26/12/2020): Department of Soil Science, Sher-e-Bangla Agricultural (SAU), Dhaka 1207

Total Length of Service: More than four years.

PUBLICATIONS

1. Mollick, M. O. A., Paul, A. K., Alam, I., & Sumon, M. M. (2020). Effect of Biochar on Yield and Quality of Potato (*Solanum tuberosum* L) Tuber. *International Journal of Bioresource and Stress Management*, 11(5): 445-450.
2. Hossain, N., Paul, A. K., Alam, I., Mollick, M. O. A., & Miajee. S. J., (2020). Effect of Plant Growth Regulator-Flora on the Growth and Yield of Transplanted Aman Rice. *International Journal of Bio-resource and Stress Management* 2020, 11(6), 542-547.
3. Ahmed T, Paul, A. K, Mollick, M.O.A., Sumon, M.M., Haque, M.I., (2023). Effect of Nitrogen (N) and Potassium (K) on Growth and Yield of Onion. *International Journal of Bio-resource and Stress Management* 2023, 14(7), 986-993.

RESEARCH EXPERIENCES

1. More than 5 years of research experience in the field of Soil Science, Plant nutrition, and Sustainable Agriculture.
2. Conducted independent research in Masters Level: **"Effect of Biochar on Yield and Quality of Potato (*Solanum tuberosum*) Tuber"** and completed thesis work in the Department of Soil Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
3. Worked as co-investigator on **"Evaluate the change of soil chemical properties and productivity of industrially polluted agricultural land areas and building up farmers' awareness about soil pollution by disseminating research findings to the farmers of industrially polluted areas"** under the department of Soil Science at Sher-e-Bangla Agricultural University, Dhaka.
4. Worked as co-investigator on **"Effect of organic and inorganic fertilizer and water management on nutrient availability and yield of rice under rice-rice cropping system"** under the department of Soil Science at Sher-e-Bangla Agricultural University, Dhaka.
5. Working as a co-investigator on **"Effect of lime, fertilizer and manure on nitrogen and phosphorus availability and rice growth on acidic red soils"** under the Department of Soil Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh.
6. Working as a chief investigator on **"Biochar induced wheat yield and post-harvest soil properties under drought stress"** under the Department of Soil Science, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh

RESEARCH GRANTS

1. Evaluate the change of soil chemical properties and productivity of industrially polluted agricultural land areas and building up farmers' awareness about soil pollution by disseminating research findings to the farmers of industrially polluted areas. PR- Dr. Md. Asaduzzaman Khan and CR- Md. Omar Ali Mollick. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh (2020-2021).
2. Effect of organic and inorganic fertilizer and water management on nutrient availability and yield of rice under rice-rice cropping system. PR- Dr. Md. Asaduzzaman Khan and CR- Md. Omar Ali Mollick. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh (2021-2022).
3. Effect of lime, fertilizer and manure on nitrogen and phosphorus availability and rice growth on acidic red soils. PR- Dr. Md. Asaduzzaman Khan and CR- Md. Omar Ali Mollick. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh (2022-2023).
4. Biochar induced wheat yield and post-harvest soil properties under drought stress. PR- Md. Omar Ali Mollick. Granted by Ministry of Science and Technology, Government of the People's Republic of Bangladesh (2022-2023).

PARTICIPATION IN TRAINING

1. Training Workshop on "Intellectual Property Right" at Sher-e-Bangla Agricultural University, Dhaka, 26 June, 2021.

2. Training Workshop on "Scientific Paper Writing and Publication" at Sher-e-Bangla Agricultural University, Dhaka, 24 July, 2019.
3. Responsibilities of Teachers, Outcome Based Education and Different Rules & Regulations Arranged by Sher-e-Bangla Agricultural University, Dhaka, Bangladesh. Duration: 12-13 January, 2019.

ACHIEVEMENTS

1. Deans Award, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh, 2019.
2. National Science and Technology (NST) Fellowship (2016-17), Ministry of Science and Technology, Government of the People's Republic of Bangladesh, 2017.

MEMBERSHIPS

1. Member of the Bangladesh Soil Science Society (BSSS)
2. Member of the Sher-e Bangla Agricultural University Alumni Association (SAUAA),
3. Member of the Sher-e-Bangla Agricultural University Teacher's Association (SAUTA)
4. Member of the Krishibid Institution of Bangladesh, Dhaka.

SKILLS

Lab Skills: Analytical chemistry (AAS, Kjeldahl, Flame photometer), Plant and soil mineral profiling (Macro and Micronutrients).

Computer skills: R software for statistics data analysis, Statistics 10.

Language skills: IELTS 6.5 (Listening-7.0, Reading-7.0, Writing- 6.0 and Speaking- 6.0)

REFERENCES

Referee 1

Dr. Alok Kumar Paul

Professor

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Sher-e-Bangla Agricultural University,
Dhaka-1207, Bangladesh.

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Referee 2

Dr. Md. Asaduzzaman Khan

Professor

Department of Soil science

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Dhaka-1207, Bangladesh.

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