

RESUME
OF
Dr. Md. Sagirul Islam Majumder



Dr. Md. Sagirul Islam Majumder is a **Senior Scientific officer** at Bangladesh Jute Research Institute, Dhaka 1207, Bangladesh. He completed his Bachelor of Science in Agriculture (Hons.) from Patuakhali Science and Technology University, Patuakhali, Bangladesh with a CGPA 3.82 (out of 4.00) and a Master of Science in Agroforestry from Bangladesh Agricultural University, Mymensingh, Bangladesh with a CGPA 3.789 (out of 4.00). Dr. Majumder also completed another Master of Science in Agriculture from the University of the Ryukyus, Japan securing CGPA 4.00 (out of 4.00), with a Japanese Government (MEXT-*MONBUKAGAKUSHO*) Scholarship, received the President Grant for outstanding performance in Master's research. With the same scholarship, he successfully completed his Ph.D. from the United Graduate School of Agricultural Sciences, Kagoshima University, Japan. Dr. Majumder also worked as a Teaching Assistant/Research Assistant at the University of the Ryukyus, Japan. Dr. Majumder was awarded NSICT fellowship by Ministry of National, Science and Information and Communication Technology, Government of the People's Republic of Bangladesh. He published his research articles in several peer-reviewed International and National Journals. He presented his research works at different international conferences, seminars and workshops. He is actively involved in different professional societies: member of American Soil Science, Crop Science and Agronomy; Japanese Crop Science Society; Japanese Society for Tropical Agriculture. He also is a life member of American Society for Science and Technology. Dr. Majumder possesses good communication, organizational and research skills. In addition, he strives to be friendly and treat people with warmth and respect with his own interpersonal dealings. As a man he is self-driven and target oriented with a decent and simple life-style. Currently, he is carrying out research on plant-derived pesticides to control insect pests of jute and allied fibre crops.

Educational Qualification

Doctor of Philosophy (Ph.D.) in Science of Bioresource Production [Major: Crop & Soil]

The United Graduate School of Agricultural Sciences

Kagoshima University, Japan

March 2020

Awarded

Speciality: Phosphate solubilizing fungi, red soil improvements & sustainable crop production.

Master of Science in Agriculture

Dept. of Subtropical Argo-production Science

University of the Ryukyus, Japan

March 2017

Academic Achievement: GPA **4.00** (out of 4.00).

Speciality: Soil fertility and nutrient management, green manuring.

Master of Science in Agroforestry

Dept. of Agroforestry

Bangladesh Agricultural University, Bangladesh

March 2008

Academic Achievement: GPA **3.78** (out of 4.00)

Speciality: Soil fertility and nutrient management, organic rice cultivation.

Bachelor of Science in Agriculture (B.Sc.Ag)

Faculty of Agriculture

Patuakhali Science and Technology University, Bangladesh

June 2006

Academic Achievement: GPA **3.82** (out of 4.00)

Academic Award and Scholarship

Japanese Government Scholarship (Monbukagakusho) for Masters program (Research student + Masters: 2014-2017) at the university of the Ryukyus, Japan.

Japanese Government Scholarship (Monbukagakusho) for Ph.D. program at the United Graduate School of Agricultural Sciences, Kagoshima University, Japan (2017-2020).

President travel grant from the University of the Ryukyus, Japan for outstanding performance in Master's research to participate in the 3rd International Academic Conference on Agriculture in Kuala Lumpur, Malaysia (2017).

National Science Information and Communication Technology Fellowship' 2008 for Master's research work which was awarded by the Ministry of Science, Information and Communication Technology, Government of the People's Republic of Bangladesh.

Field of Specialization

Soil Science; Crop Science; Soil microbiology; Agroforestry

Major Research Skills

Plant Nutrition and Soil Science: Extraction and analysis of all macro and micro element from plant and soil sample. Extraction and analysis of total organic carbon. Determination and characterization of physical and chemical properties of soil.

Soil Microbiology: Isolation and identification procedure of microbes (Bacteria and Fungi), DNA extraction, PCR technique, Agarose gel electrophoresis, In-vitro Bioavailability assay.

Analytical Instruments: HPLC, NMR, ICP-AES, ICP-MS, Total Organic Carbon Analyzer, C, N Analyzer, nanodrop spectrophotometer, Spectrophotometer.

Environmental Science: Environmental impact assessment, Disaster risk assessment and management, Climate change and global warming, Water quality assessment, Social safety net program, Disaster resilience

Professional Membership

- Soil Science Society of America.
- American Society of Agronomy.
- Crop Science Society of America.
- Japanese Society for Tropical Agriculture.
- Crop Science Society of Japan
- Life member of American Association for Science and Technology (AAST).

Conference and Seminar Participant

- [1] 3rd International Academic conference on Agriculture, Kuala Lumpur, Malaysia, December 19-20, 2017.
- [2] General Seminar on Agricultural Sciences, Saga University, Saga, Japan, November 6-9, 2018.
- [3] General Seminar on Agricultural Sciences, Kagoshima University, Kagoshima, Japan, November 7-10, 2017.
- [4] The 242th Meeting of the Crop Science Society of Japan, Ryukoku University, Shiga, September 10-11, 2016.
- [5] Japanese Society for Tropical Agriculture and Development (JSTA) Conference, Kagoshima University, Kagoshima, October 7-9, 2016.

Proceedings

- [1] **Majumder Md. Sagirul Islam.** 2017. Tropical Legume for Turmeric (*Curcuma longa* L) Cultivation in Okinawan Red Soil, Japan. Annual meeting of ASA, CSSA and SSSA. Tampa, FL, USA.
- [2] **Md. Sagirul Islam Majumder,** Mohammad Amzad Hossain, Hikaru Akamine, Michio Onjo, Mohammad Kabirul Islam. 2017. Influence of Tropical Green Manure Crops for Improving Growth, Yield and Quality of Turmeric (*Curcuma* spp.) in Red Soil in Okinawa, Japan. 3rd International Academic conference on Agriculture, Kuala Lumpur, Malaysia.
- [3] **Md. Sagirul Islam Majumder,** Md. Amzad Hossain, Hikaru Akamine. 2016. Influence of Hairy Vetch Legume on Growth, Yield and Quality of Turmeric (*Curcuma longa* L.) in Red Soil of Okinawa. The 242nd Meeting of Crop Science Society Japan. Shiga, Japan.

- [4]**Md. Sagirul Islam Majumder**, Md. Amzad Hossain, HikaruAkamine, Rika Miyagi and Rikiya Uchida. 2016.Growth Characteristics, Biomass Production and Nutrient Status of Some Tropical legume Crops in Okinawa.Japanese Society for Tropical Agriculture and Development (JSTA) Conference.
- [5]Rikiya Uchida, Md. Amzad Hossain, Ichiro Nakamura, Rika Miyagi, Chihiro Suzuki and **Md. Sagirul Islam Majumder**. 2016.Studies on *Gynura bicolor* DC Cultivation in Okinawa. Japanese Society for Tropical Agriculture and Development (JSTA) Conference.
- [6]Rika Miyagi, Md. Amzad Hossain, HikaruAkamine, Rikiya Uchida, Chihiro Suzuki and **Md. Sagirul Islam Majumder**. 2016. Studies on Lemongrass Cultivation in Okinawa.Japanese Society for Tropical Agriculture and Development (JSTA) Conference.

Scientific Publications [27]

- [1] **Majumder, M. S. I.**, Islam, M. K., Hikaru, A., Ayako S., Michio O. and Hossain, M. A. Comparative Study of Phosphate Solubilization Potential of *Talaromyces pinophilus* Strains. *Applied Ecology and Environmental Research*. **2019**, 17(6): 14973-14984.
- [2] **Majumder, M. S. I.**, Hossain, M. A., Hikaru, A., Michio, O., Islam, M. K. Effect of Hairy Vetch (*Vicia villosa* R.) Legume on Red Soil Properties, Growth, Yield and Quality of Turmeric (*Curcuma longa* L.) in a Subtropical Region. *Transylvanian Review*. **2018**, XXVI, 32.
- [3] Islam, M. K. Ayako, S., **Majumder, M. S. I.**, Hossain, M. A., and Jun-ichi, S. Isolation and molecular characterization of phosphate solubilizing filamentous fungi from subtropical soils in Okinawa. *Applied Ecology and Environmental Research*. **2019**, 17(4): 9145-9157.
- [4] Islam, M. K., Ayako, S., **Majumder, M. S. I.**, Jun-ichi, S., and Hossain, M. A. Evaluation of organic acid production potential of phosphate solubilizing filamentous fungi isolated from subtropical soils in Okinawa, Japan. *Applied Ecology and Environmental Research*. **2019**, 17(6): 15191-15201.
- [5] Mohammad, A., June-ichiro, G. T., Nakamatsu, R., **Majumder, M. S. I.**, Heat and carbon emission due to vehicle traffic in Dhaka City. *Transylvanian Review*. **2019**, XXVII, 40. [**Contributed as a corresponding author**].
- [6] Jerin, I. J., Islam, M. K., Bhuyan, M. I., **Majumder, M. S. I.**, Ferdous, M. and Islam, M. M. Physicochemical Properties and Nutrient status of Agricultural Soils in Kuakata, Patuakhali. *Journal of Experimental Biosciences*. **2021**. 12(1): 59-68.
- [7] Hossain, M. S., Mukta, M. A., Talukder, M. A. R., Rahman, M. M., **Majumder, M. S. I.**, and Uddin, M. R. Characterization of Biochars Derived from Different Organic Wastes. *Journal of Experimental Agriculture International*. **2020**, 42(4): 44-50. [**Contributed as a corresponding author**].
- [8] Hawlader, N. H., Ali Fakir, M. S., Ahmad, M., Nesa, H., Rahman, M. M., Hasan, I., Islam, M. M., and **Majumder, M. S. I.** Cassava Leaf Compost Influences Growth, Yield and Nutrient Uptake of Rice. *Annual Research & Review in Biology*. **2020**, 35(9): 23-33. [**Contributed as a corresponding author**].
- [9] Akter, T., Islam, M. K., **Majumder, M. S. I.**, Islam, M. M., Ferdous, M. Irrigation water quality assessment of BetagiUpazila under Barguna district in Bangladesh. *Archives of Agriculture and Environmental Science*. **2019**, 4(4): 428-433.

- [10] **Majumder, M. S. I.**, Talukder, S., Hasan, I., Islam, M. S., Islam, M. K., and Hawlader, N. H. Water Quality Assessment: A Case Study of the Jhenai River in Bangladesh. *The R A Journal of Applied Research*. **2018**, 4 : 1884-1888.
- [11] Hasan, I., Sultana, I., Adnan, A., Hossain, M. D., Talukder, M. A. R., Jubayer, M. T., Rahman, M. M., **Majumder, M. S. I.** Social Safety Net Programs: Contribution to Socio-Economic Resilience of Vulnerable Group. *Asian Journal of Social Sciences and Management Studies*. **2018**, 5(3): 105-113. [*Contributed as a corresponding author*].
- [12] Hasan, I., **Majumder, M. S. I.**, Islam, M. K., Rahman, M. M., Hawlader, N. H., Sultana, I. Assessment of Community capacities against cyclone hazard to ensure resilience in south central coastal belt of Bangladesh. *International Journal of Ecological Science and Environmental Engineering*. **2017**, 4(1): 1-14. [*Contributed as a corresponding author*].
- [13] Islam, M. S., **Majumder, M. S. I.**, Hasan, I., Yeasmin, T., Islam, M. K., Rahman, M. M., Hawlader, N. H., Sultana, I. Environmental impact assessment of Lebukhali bridge construction project over the river of Paira, Bangladesh. *American Journal of Energy Environmental and Chemical Engineering*. **2017**, 2(2): 10-15. [*Contributed as a corresponding author*].
- [14] **Majumder, M. S. I.**, Hasan, I., Mandal, S., Islam, M. K., Rahman, M. M., Hawlader, N. H., Sultana, I. Climate change induced multi hazards disaster risk assessment in southern coastal belt of Bangladesh. *American Journal of energy environmental and chemical engineering*. **2017**, 4(1): 1-7.
- [15] **Majumder, M. S. I.**, Islam, H., Hossen, M., Uddin, J., Hasan, I., Talukder, M. A. R., Sarowar, A., Rahman, M. M., Sultana, I. Assessment of Nutritional Status Using Anthropometric Methods: A Study of Rural and Urban Primary Children in Coastal Belt of Bangladesh. *Biochemistry and Molecular Biology*. **2017**, 2 (5): 54-59. [*Contributed as a corresponding author*].
- [16] Mandal, S., Hasan, I., Hawlader, N. H., Sultana, I., Rahman, M. M., **Majumder, M. S. I.** Occupational Health Hazard and Safety Assessment of Fishermen Community in Coastal Zone of Bangladesh. *International Journal of Health Economics and Policy*. **2017**, 2(2): 63-71. [*Contributed as a corresponding author*].
- [17] Hossin, M. S., Matin, A., Islam, M. K., Md. Rahman, M. M., Mukta, M. A., **Majumder, M. S. I.** Water quality assessment of deep aquifer for drinking and irrigation purposes in selected coastal region of Bangladesh. *American Journal of Agricultural Science*. **2016**, 3(6): 85-91. [*Contributed as a corresponding author*].
- [18] Uddin, M. R., Islam, M. K., Hoque, M. F., Hossin, M. S., Tasmin, M. F. and **Majumder, M. S. I.** Isolation and Identification of Phosphate Solubilizing Bacteria from Non-saline Soils of Coastal region in Bangladesh. *Journal of Agroforestry and Environment*. **2016**, 10(1): 123-127.
- [19] Islam, M. K., Tasmin, M. F., Hossin, M. S., **Majumder, M. S. I.** Uddin, M. R. and Mukta M. A. 2016. Isolation and Identification of Rhizobium from Saline Soils of Bangladesh and Preparation of Mother Culture. *Journal of Agroforestry and Environment*. **2016**, 10 (1): 141-144.
- [20] Islam, M. K., Tania, **Majumder, M. S. I.**, Hossin, M. S. and Uddin, M. R. Effect of Manures with Inorganic Fertilizers on the Growth and Yield of Tomato. *Journal of Agroforestry and Environment*. **2016**, 10(1): 75-78.

- [21] Mukta, M. A., Islam, M. K., Hossin, M. S., **Majumder, M. S. I.**, Mian, M. J. A. Fertility status of some selected soil series of Bangladesh. *Journal of Agroforestry and Environment*. **2013**, 7(2): 131-133.
- [22] Islam, M. K., **Majumder, M. S. I.**, Hossin, M. S., Shahriar, S., and Paul, A. K. Effect of integrated nutrient management on soil properties and yield of BRRI dhan 29. *Journal of Agroforestry and Environment*. **2013**, 7(2): 179-181.
- [23] Islam, M. K., Paul, A. K., **Majumder, M. S. I.**, Mukta, M. A. and Hossain, D. Effect of integrated nutrient management on the growth and yield of BRRI dhan 29. *Journal of Agroforestry and Environment*. **2013**, 7(1): 143-146.
- [24] **Majumder, M. S. I.**, Rahman, G.M. M., Zaman, M. W., Mojumder, M. S. O. and Rahman, M. M. Effect of *Tectonagrandis* leaf litter on yield of boro rice and subsequent soil improvement. *Journal of Agroforestry and Environment*. **2008**, 2(1): 27-30.
- [25] Mojumder, M. S. O., Rahman, G. M. M., Morzia Begum, Rahman, M. M., **Majumder, M. S. I.** Effect different forms of teak leaf biomass on the yield of rice and nutrient release in the soil. *Journal of Agroforestry and Environment*. **2008**, 2(1):127-130.
- [26] Rahman, M. M., **Majumder, M. S. I.**, Rahman, G. M. M., Zaman, M. W. and Mojumder, M. S. O. Time of application of teak leaf litter and its effect on boro rice. *Journal of Agroforestry and Environment*. **2008**, 2(1):73-76.
- [27] **Majumder, M. S. I.**, Islam, M. K., Hikaru, A., Ayako, S., Michio, O., Shinichi, G. and Hossain, M. A. Organic Acid Production Efficiency of Different Phosphate Solubilizing *Talaromyces pinophilus* Strains. (under minor revision).

Personal Details

Name	:	Dr. Md. Sagirul Islam Majumder
Father's Name	:	Md. Mojammeel Haq Majumder
Mother's Name	:	Mrs. Helena Begum
Date of Birth	:	28 th February, 1984
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Marital Status	:	Married
Sex	:	Male
Permanent Address	:	Village: North Jhatibunia, Post: Mohishkata Bazar Police Station: Mirzaganj, Upazila: Mirzaganj District: Patuakhali 8620, Bangladesh
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