



**Department of Soil Science**  
**Sher-e-Bangla Agricultural University**  
**Dhaka-1207; BANGLADESH**

**Profile of Prof. Dr. Mohammad Issak**

**Dr. Mohammad Issak**

PhD (Okayama University, Japan)

**Professor**

Department of Soil Science

Faculty of Agriculture

Sher-e-Bangla Agricultural University

Sher-e-Bangla Nagar, Dhaka-1207

Mobile: +88-01716-238645

Email: mdissaksau07@yahoo.com



**Personal Information:**

<b>Father's name</b>	:	Md. Abul Hashem
<b>Mother's name</b>	:	Mrs. Zohura Begum
<b>Permanent address</b>	:	Village- Hizline, Post Office-Lamubari, PS- Manikgonj Sadar, District-Manikgonj-1800
<b>Nationality</b>	:	Bangladeshi (by birth)
<b>NID no.</b>	:	2818982775
<b>Date of Birth (d/m/y)</b>	:	18/10/1979
<b>Gender</b>	:	Male
<b>Marital Status</b>	:	Married
<b>Blood Group</b>	:	B + <sup>ve</sup>

**Service Experience: (17 years plus )**

<b>Designation</b>	<b>From</b>	<b>To</b>	<b>Period(yy/mm/dd)</b>	<b>Appointed Organization</b>
Professor	05-11-2017	Till date	06 years +	SAU, Dhaka, Bangladesh
Associate Professor	05-11-2013	04-11-2017	04/00/00	SAU, Dhaka, Bangladesh
Assistant Professor	05-11-2008	04-11-2013	05/00/00	SAU, Dhaka, Bangladesh
Lecturer	05-11-2006	04-11-2008	02/00/00	SAU, Dhaka, Bangladesh
Lecturer	02-09-2006	04-11-2006	00/02/02	College of Development Alternative (CODA), Dhaka, Bangladesh

**Other Experience:**

- a) **Ex-Chairman**, Department of Soil Science, Sher-e-Bangla Agricultural University , 2014-2016
- b) **Ex-Provost**, Siraj-Ud-Doula Hall, Sher-e-Bangla Agricultural University , 2016-2019
- c) **Ex-Associate Director**, Sher-e-Bangla Agricultural University Research System, SAU, 2018-2019

### **Educational Background:**

<b>Exam. Name</b>	<b>Name of Board/University, Country</b>	<b>Major</b>	<b>Division/Class</b>	<b>Yr. of Passing</b>
PhD	Okayama University, Japan	Biosignaling Chemistry	A	2013
MS	Sher-e-Bangla Agricultural University, Bangladesh	Soil Science	A	2005
BScAg (Hons.)	Bangladesh Agricultural University, Bangladesh	Agriculture	1 st Class	2001
HSC	Dhaka, Bangladesh	Science	Frist Division	1996
SSC	Dhaka, bangladesh	Science	Frist Division	1994

### **List of completed projects of Prof. Dr. Mohammad Issak as Principal Investigator (PI):**

<b>SL</b>	<b>Project Title</b>	<b>Duration</b>	<b>Funding Agency</b>	<b>Amount, BDT</b>
14	Yield maximization and nutrient content of selected organic responsive aromatic Rice Cultivars (T. Aman Rice)	Completed (FY: 2022-23)	Ministry of Science and Technology, GoB	200000
13	Organic Rice Cultivqation: A Technique for Screening Organic Responsive Transplanted (T.) Aman Rice Cultivars	Completed (FY: 2021-22)	Ministry of Science and Technology, GoB	250000
12	Yield maximization of T. Aman/Boro rice through seedling strength improvement using raw materials of chitosan in seedbed	Completed (FY: 2020-21)	Ministry of Science and Technology, GoB	300000
11	“Production of Organic Vegetables and improvement of Soil Health Using Chito-compost,	Completed FY:2019-2020	University Grants Commission of Bangladesh	300000
10	Role of chitosan-powder-induced soil pH on plant nutrient availability and soil fertility in an acidic soil	Completed (FY: 2019-20)	Ministry of Science and Technology, GoB	250000
9	Influence of chitosan powder on sustainable soil health management and yield maximization of newly released rice varieties	Completed (FY: 2018-19)	Ministry of Science and Technology, GoB	300000
8	Role of chito-compost and chitosan on the reduction of growth duration and increasing the yield performance of BRRI dhan29	Completed (FY: 2017-18)	Ministry of Science and Technology, GoB	300000
7	Role of chito-compost on quality seedlings production and yield increment of different transplanted crops in Bangladesh	Completed (FY: 2016-17)	Ministry of Science and Technology, GoB	250000
6	Quality analysis of the prepared new chito-compost for the comparison and commercialization in Bangladesh	Completed (FY: 2015-16)	Ministry of Science and Technology, GoB	300000
5	Preparation of chito-compost and its effect on soil health management	Completed (FY: 2014-15)	Ministry of Science and Technology, GoB	150000

4	Foliar application of salicylic acid on the drought stress management of rice	Completed (FY: 2014-15)	Sher-e-Bangla Agricultural University Research System (SAURES)	60000
3	Improvement of soil properties for the sustainable agriculture as influenced by the chitosan powder in rice-rice cropping pattern	Completed (FY: 2017-18)	Sher-e-Bangla Agricultural University Research System (SAURES)	150000
2	Capsicum flowering and fruit setting as influenced by the soil application of chitosan powder	Completed (FY: 2019-20)	Sher-e-Bangla Agricultural University Research System (SAURES)	100000
1	Influence of Chito-compost/modified chitosan powder on quality Boro rice seedling production and its response to early tiller production, early flowering, early maturity and yield	Completed (FY: 2017-18)	Sher-e-Bangla Agricultural University Research System (SAURES)	80000

✚ **Publications: 33 (1<sup>st</sup> Author, 11; Co-Author, 22)**

Sl.No.	Year of the Publication	Author (s), Title, Year of publication, Journal name, Volume &/or Issue no. and Page number of the scientific papers
33	2024	F Ahmed, MOA Mollick, M H Uddin, <b>M Issak*</b> , A.T.M. Shamsuddoha, R Pervin. Growth and yield performance of Sweet Pepper varieties by exogenous application of chitosan-raw-material(Shrimp shell powder). <i>International Journal of Biosciences</i> . 24 ( 3): 104-111; <a href="http://dx.doi.org/10.12692/ijb/24.3.104-111">http://dx.doi.org/10.12692/ijb/24.3.104-111</a>
32	2024	S Ahmed, S F Ahmed, A Biswas, A Sultana, <b>M Issak</b> , 2024. Salicylic acid and chitosan mitigate high temperature stress of rice via growth improvement, physio-biochemical adjustments and enhanced antioxidant activity; <i>Plant Stress</i> , (11)
31	2021	<b>M Issak</b> , A Sultana M Hasanuzzaman M Hossain D Chakraborti, A Imran. Tillering Behaviour of Transplanted Aman Rice Variety (BRRI dhan75) as Influenced by Chitosan Raw Material Powder. <i>Eco-friendly Agril. J.</i> 14(11):36-44.
30	2021	<b>M Issak</b> , SA Haque, M Hasanuzzaman, A Sultana, MS Islam. Yield Maximization of Boro Rice Variety (BRRI dhan29) by Improving Seedling Strength Using Chitosan Raw Material Powder. <i>Eco-friendly Agril. J.</i> 14(10):29-35.
29	2020	S Parveen , <b>M Issak</b> , MS Rahman , FU Talukder, S Islam. A Rice Variety (BRRI dhan29) Yield Performance as Influenced by Foliar Application of Salicylic Acid in Bangladesh. <i>Agricultural Science</i> . 2 (1); 263-274.
28	2020	M H Munshi, <b>M Issak</b> , K Kabir , M T Hosain , ASMF Bari , MS Rahman , M Tamanna. Enhancement of growth, yield and fruit quality of sweet pepper ( <i>Capsicum annum L.</i> ) by foliar application of salicylic acid. <i>International Journal of Bioscience</i> . 17 (5):49-56.
27	2020	F Ahmed, <b>M Issak</b> , A Sultana .Effect of chitosan-raw-materials on grain yield and agronomic traits of Transplanted Aman rice (BRRI dhan49). <i>Eco-friendly Agricultural Journal</i> . 13(10):38-46.
26	2020	MY Prodhana, <b>M Issak</b> , S Munemasa, Y Nakamura, and Y Murata. Salicylic acid receptor NPR1 is involved in guard cell chitosan signaling. <i>Bioscience</i> ,

		<i>Biotechnology, and Biochemistry</i> .84 (5):963–969.
25	2020	Sultana A, Zahan MS, Islam SA, Akter N, Mahbub MM, <b>Issak M</b> . Response of transplanting date on growth and yield components of selected advanced genotypes of short durational T. Aman rice. <i>Eco-friendly Agril. J.</i> <b>13</b> (03): 23-29.
24	2020	Sultana A, Shaikh NY, Zahan MS, Badshah MA, Akter R. <b>Issak M</b> . Response of transplanting date on growth and yield components of advanced lies of T. Aman rice. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>7</b> (1):1-7.
23	2020	Sultana A, Badshah MA, Zahan MS, Islam SA, <b>Issak M</b> . Spikelet fertility improvement of Boro advanced line (CN6) through supplemented nutrient management. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>7</b> (1):17-23.
22	2020	Sultana A, Munshi MH, Kamruzzaman M, Bari ASMF, <b>Issak M</b> . Residual effect of raw chitosan powder on chemical properties of red brown terrace soils under rice-rice cropping pattern. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>7</b> (1): 33-42.
21	2020	Sultana A, Badshah MA, Zahan MS, Islam SA, Manir MR, <b>Issak M</b> . Micronutrient management in an advance line of rice (CN6) to increase the spikelet fertility under Aman Season. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>7</b> (1): 51-59.
20	2019	Sultana A, Zahan MS, Shaikh NY, Akter R. <b>Issak M</b> . Agroclimatic indices of rice ( <i>Oryza sativa</i> ) influenced by different planting time. <i>Bangladesh Rice Journal.</i> <b>23</b> (2).
19	2018	<b>M Issak</b> , A Sultana. Role of soil application of chitosan powder on growth and development of BARI puisak-1. <i>Journal of Sher-e-Bangla Agricultural University.</i> <b>9</b> (1). 1-8. 2018.
18	2018	<b>M Issak</b> , MN Hasan, ASMF Bari. Effect of foliar application of salicylic acid on yield and yield contributing characters of BARI GOM 27. <i>Journal of Sher-e-Bangla Agricultural University.</i> <b>9</b> (1). 9-17. 2018.
17	2017	<b>*MY Prodhon</b> , <b>*M Issak</b> , T Nakamura, S. Munemasa, Y. Nakamura, and Y. Murata. 2017. Chitosan signaling in guard cells requires endogenous salicylic acid. <i>Bioscience Biotechnology and Biochemistry.</i> <b>81</b> (8). 1536-1541.
16	2017	<b>M Issak</b> , A Sultana. 2017. Role of chitosan powder on the production of quality rice seedlings of BRRI dhan29. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>4</b> (3). 141-149.
15	2017	<b>M Issak</b> , M.M Khatun, A Sultana. Role of salicylic acid as foliar spray on the hydride rice (BRRI Hybrid dhan3) cultivation in Bangladesh. <i>Research in Agriculture, Livestock and Fisheries.</i> <b>4</b> (3). 157-164. 2017.
14	2016	AJ Mahmud, ATM Shamsuddoha, <b>M Issak</b> , MN Haque, AKK Achakzai. Effect of vermicompost and chemical fertilizer on the nutrient content in rice grain, straw and post harvest soil. <i>Middle-East Journal of Scientific Research.</i> <b>24</b> (2). 437-444. 2016
13	2013	A. Sultana, I. Minami, R. Ichiba, <b>M. Issak</b> , M. Tada, Y. Nakamura, T. Miyatake, S. Todoriki and Y. Murata. Effects of $\gamma$ -irradiation on larval and adult stages of <i>Tribolium castaneum</i> (Red Flour Beetle). <i>Food Irradiation.</i> <b>48</b> (1): 19-23, 2013 .
12	2013	A. Sultana, I. Minami, D. Matsushima, <b>M. Issak</b> , Y. Nakamura, S. Todoriki, and Y. Murata. Catalase, CAT2, is not involved in mitigation of gamma irradiation-induced H <sub>2</sub> O <sub>2</sub> accumulation or lipid peroxidation in <i>Arabidopsis thaliana</i> . <i>Food Irradiation.</i> <b>48</b> (1): 38-41, 2013.
11	2013	A. Sultana, I. Minami, D. Matsushima, <b>M. Issak</b> , Y. Nakamura, S. Todoriki, and Y. Murata. Catalases, CAT1 and CAT3, are not key enzymes to alleviate gamma irradiation-induced DNA damage, H <sub>2</sub> O <sub>2</sub> accumulation, or lipid peroxidation in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology &amp; Biochemistry.</i> <b>77</b> (9): 1984-1987, 2013.
10	2013	<b>Issak M</b> , Okuma E, Munimasa S, Nakamura Y, Mori IC, and Murata Y. Neither Endogenous Abscisic Acid nor Endogenous Jasmonate Is Involved in Salicylic

		Acid-, Yeast Elicitor-, or Chitosan-Induced Stomatal Closure in <i>Arabidopsis thaliana</i> . <i>Bioscience, Biotechnology, and Biochemistry</i> . 2013 Vol 77(5):1111-1113.
9	2010	Chowdhury S, Islam N and <b>Issak M</b> . Effect of Natural Inhibitors on the transformation of N-fertilizer and yield of rice. <i>International Journal of Agriculture, Environment &amp; Biotechnology (IJAEB)</i> . 2010 Vol 3(2): 185-188.
8	2010	Haque ME, Islam MN, Akand MH, <b>Issak M</b> and Chowdhury S. Effect of inorganic and organic fertilizers on growth and yield of sweet paper. <i>Journal of Subtropical Agricultural Research and Development</i> . 2010. Vol no 8 pp. 769-775.
7	2010	Sultana A, Rahman MM, Ali MR, <b>Issak M</b> and Hossain ATM. Effect of IPM components against the infestation caused by fruitfly ( <i>Bactrocera cucurbita</i> ) at different fruiting stages of bitter gourd. <i>Bangladesh Journal of Progressive Science and Technology</i> . 2010. Vol no 8 pp.131-134.
6	2010	<b>Issak M</b> , Sutradhar GNC, Rahman MM, Firdousi J, Hossain ATM and Sultana A. Direct and residual effect of rock phosphate on growth and yield of rice in an acidic soil. <i>International Journal of Agriculture, Environment &amp; Biotechnology</i> , (2010) Vol no 3 pp 15-20.
5	2010	<b>Issak M</b> , Sutradhar GNC, Bhiuyan MSI, Firdousi J and Sultana A. Direct and residual effect of rock phosphate on the yield contributing characters of rice-rice cropping pattern in an acidic soil. <i>Bangladesh Journal of Progressive Science and Technology</i> . (2010) Vol no 8 pp.127-130.
4	2008	Bhiuyan M S I, Islam M N, Haque MS, <b>Issak M</b> and Chowdhury S. Effect of vermicompost and NPK on the growth, yield and nutrient uptake of wheat. <i>Bangladesh Journal of Agriculture and Environment</i> , (2008), vol no 4, pp. 77-83.
3	2008	Hossain ATM, Khandker S, Sutradhar GNC, Gani MN, <b>Issak M</b> . Assessment of NPK and S uptake capacity of deshi jute with different nutrient combinations. <i>Bangladesh Journal of Agriculture and Environment</i> , (2008), vol no 4, pp. 65-76.
2	2007	Hossain ATM, Khandker S, Sutradhar GNC, Gani MN, <b>Issak M</b> . Effect of NPKS on growth and yield of advanced breeding line of white jute BJC-370. <i>Journal of Agricultural Science and Technology</i> , (2007), vol no 8, pp. 17-21.
1	2007	<b>Issak M</b> , Sutradhar GNC, Rahman M M. Influence of rock phosphate on nutrient content and uptake of rice (BRRI dhan 39) in an acid soil. <i>Journal of Agricultural Science and Technology</i> , (2007), vol no 8, pp. 66-73.

#### **Experience as Research Student Supervision:**

- a) Supersized Master's (MS) Students (Completed) : 20  
 b) Co-Supersized Master's (MS) Students (Completed) : 06  
 c) Ongoing Master's (MS) Students : 03  
 d) Ongoing PhD Students : 01

#### **List of MS Students Supervised/Co-Supervised:**

	Name of the Students	Registration No.	Admission Semester	Supervisory Committee		Title of the Thesis	Passing Semester
				Supervisor	Co-Supervisor		
1	Mostarak Hossain Munshi	09-03547	January -June, 2014	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701	Effect of modified chitosan on growth and yield of <b>rice</b> (BRRI Dhan 62)	July-December, 2015
2	Md. Arifur Rahman	10-03793	January -June, 2014	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	A. S. M. Fazle Bari Assistant Professor Department of Soil Science, SAU, Dhaka	Performance of modified chitosan treated <b>tomato</b> ( <i>Lycopersicon esculentum</i> ) seedlings on the growth and yield of tomato	July-December, 2015

3	Faysal Ahmed	10-03855	January-June, 2014	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701	Performance of <b>BRI dhan 49</b> as influenced by modified chitosan in the seedbed and in the main field	July-December, 2015
4	Md. Nahid Hasan	14-06321	July-December, 2013	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	A. S. M. Fazle Bari Assistant Professor Department of Soil Science, SAU, Dhaka	Effect of foliar application of salicylic acid on yield and yield contributing characters of <b>BARI Gom 27</b>	July-December, 2015
5	Most. Moslama Khatun	14-06322	July-December, 2013	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701	Effect of foliar application of salicylic acid on yield and yield contributing characters of <b>BRI Hybrid dhan3</b>	July-December, 2015
6	Samaha Marzan Shithy	15-06916	July-December, 2014	A. S. M. Fazle Bari Assistant Professor Department of Soil Science, SAU, Dhaka	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Role of modified chitosan on rice ( <b>BRI dhan29</b> ) cultivation under saline soil	July-December, 2015
7	Md. Kamruzzaman	15-06940	July-December, 2014	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Prof. A. T. M. Shamsuddoha, Department of Soil Science, SAU, Dhaka	Residual effect of modified chitosan powder on nitrogen management and yield performance of <b>Boro Rice</b>	January-June, 2016
8	Md. Saiful Islam	15-06948	July-December, 2014	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701 01912-553490	Role of chitosan powder on the production of quality seedlings of <b>BRI dhan29</b> and its effect on yield	July-December, 2016
9	11-04248	Shahnaz Parveen	January-June, 2015	Dr. Mohammad Issak, Associate Prof. Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701	Role of foliar application of salicylic acid (SA) on the yield performance of <b>BRI dhan29</b>	January-June, 2017
10	18-09149	Dipta Chakrabarty	July-December, 2018	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana, Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur	Influence of chitosan raw materials powder on yield performance of <b>BRI dhan75</b>	July-December, 2020
11	18-09290	Md. Tanjilur Rahman Khan	July-December, 2018	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Dr. Md. Asaduzzaman Khan, Dept. of Soil Science, SAU, Dhaka	Improvement of <b>Tomato</b> ( <i>Lycopersicon esculentum</i> ) Yield And soil properties by using chitosan raw	July-December, 2020
12	11-04314	Tanjina Akter	January-June, 2019	Dr. Amena Sultana, Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	<b>Role of herbicides on soil microbial Community structure and Yield performance of T. Aman Rice</b>	January-June, 2021
13	14-05916	Md. Abdul Jabber	January-June, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Mst. Afrose Jahan, Department of Soil Science, SAU, Dhaka	<b>Effect of nitrogen and chitosan raw material powder on the performance on yield of Garlic (<i>Allium sativum</i> L.)</b>	January-June, 2021
14	14-05958	Maria Ferdous Sani	January-June, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Dr. Md. Asaduzzaman Khan, Dept. of Soil Science, SAU, Dhaka	<b>Yield maximization of Tomato (<i>Solanum lycopersicum</i> L.) by improving seedling characters using chitosan raw material powder under silty clay loam soil</b>	January-June, 2021
15	14-06188	Md. Mamun Hossain	January-June, 2019	Prof. Mst. Afrose Jahan, Department of Soil Science, SAU, Dhaka	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Improvement of late sowing <b>BORO (BRI dhan88)</b> seedling Characters and Yield by using chitosan raw material Powder	January-June, 2021
16	19-10030	Md. Helal Uddin	January-June, 2019	Prof. A. T. M. Shamsuddoha, Department of Soil Science, SAU, Dhaka	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	<b>Response of sweet pepper varieties to different levels of chitosan raw material powder</b>	January-June, 2021
17	19-10038	Mst. Fatimatuz Zahara	January-June, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Mostarak Hossain Munshi, Assistant Professor, Department of Soil Science, SAU, Dhaka	<b>Residual effect of chitosan raw material powder on yield performance of Okra (<i>Abelmoschus esculentus</i> L.) under tomato-okra cropping system</b>	January-June, 2021

18	14-05916	Md. Abdul Jabber	January -June, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Mst. Afrose Jahan, Department of Soil Science, SAU, Dhaka	<b>Effect of nitrogen and chitosan raw material powder on the performance on yield of Garlic (<i>Allium sativum</i> L.)</b>	January-June, 2021
19	19-10101	Md. Raju Miah	January -June, 2019	Prof. A. T. M. Shamsuddoha, Department of Soil Science, SAU, Dhaka	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	<b>Yield performance of Rice (BRRI hybrid dhan4) influenced by chitosan raw materials powder</b>	January-June, 2021
20	19-10226	Nurshad Jahan	July-December, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana, Senior Scientific Officer, Agronomy Division BRRI, Gazipur-1701	Selection of organic fertilizers responsive transplanted agomatic <b>Aman Rice cultivars</b>	July-December, 2021
21	19-10227	Israt Jahan Keya	July-December, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU	Prof. Dr. Mohammad Saiful Islam Bhuiyan Department of Soil Science, SAU, Dhaka	Effect of chitosan raw material powder and seedling age on the performance of <b>BORO Rice</b> (BRRI dhan88)	July-December, 2021
22	19-10228	Md. Shahadat Hossain	July-December, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU	Prof. Dr. Mohammad Saiful Islam Bhuiyan Department of Soil Science, SAU, Dhaka	Role of seedling number and chitosan raw material powder on the growth and yield of BRRI dhan88	July-December, 2021
23	19-10230	Al Imran	July-December, 2019	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana, Senior Scientific Officer, Agronomy Division, BRRI, Gazipur-1701	Effect of sowing date and chitosan raw material powder on <b>Boro (BRRI dhan88)</b>	July-December, 2021
24	14-05965	Anamika Das	January -June, 2020	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Dr. Md. Asaduzzaman Khan, Dept. of Soil Science, SAU, Dhaka	Effect of decomposed shrimp shell powder on the growth, yield and nutrient content of <b>Indian spinach (Basella alba)</b>	January-June, 2022
25	15-06421	Rukaia Tabassum	January -June, 2020	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Prof. Dr. Md. Asaduzzaman Khan, Dept. of Soil Science, SAU, Dhaka	Direct and residual effect of organic material ( <b>Shrimp shell powder</b> ) on radish-spinach cropping system	January-June, 2022
26	20-11111	Md. Abdullah Al Mamun	January -June, 2020	Prof. Dr. Mohammad Issak, Department of Soil Science, SAU, Dhaka	Dr. Amena Sultana, Senior Scientific Officer Agronomy Division Bangladesh Rice Research Institute, Gazipur-1701 Mobile: 01912553490	Improvement of <b>Boro</b> seeding strength and yield through seed priming and Seedbed soil amendment	January-June, 2022

#### Award received

SL	Name of the Award, Organization, Country	Year
1	NST fellowship, Ministry of Science and Technology, Govt. Peoples Republic of Bangladesh	2005
2	<b>Monbukagakusho</b> , the Japanese Ministry of Education, Culture, Sports, Science, and Technology (MEXT), Scholarship	2010

#### Members of different organizations:

- Life Member, KIB, Krishibid Institute of Bangladesh
- Life Member, JUAAB, Japanese University Alumni Association of Bangladesh
- Life Member, BAU, Bangladesh Agricultural University Alumni Association of Bangladesh
- Member, BSSS, Soil Science Society of Bangladesh

 **Referees:**

1. Dr. Md. Anamul Haque  
Professor  
Department of Soil Science  
Bangladesh Agricultural University  
Mymensingh, Bangladesh  
Email: anamul71@yahoo.com  
Mobile: 01741-390715
2. Dr. Md. Asaduzzaman Khan  
Professor  
Department of Soil Science  
Sher-e-Bangla Agricultural University  
Dhaka, Bangladesh  
Email: makhan\_sau@ymail.com  
Mobile: 01552-498705



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**Prof. Dr. Mohammad Issak**  
Department of Soil Science  
Faculty of Agriculture  
Sher-e-Bangla Agricultural University  
Dhaka-1207