

Profile of Dr. Amena Sultana

Dr. Amena Sultana
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A. Personal Information:

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| Spouse name | Prof. Dr. Mohammad Issak |
| Mother's name | Mrs. Shahana Parvin |
| Father's name | Abu Taher |
| Permanent address | Village- Hizline, Post Office-Lemubari, PS- Manikgonj Sadar, District-Manikgonj-1800 |
| Nationality | Bangladeshi (by birth) |
| Date of Birth (d/m/y) | 30/12/1981 |
| Gender | Female |
| Marital Status | Married |
| Blood Group | O + ^{ve} |

B. Educational Background:

| Exam Name | Name of Board/University | Major | Division/Class/CGPA/Grade | Yr. of Passing |
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| PhD | Okayama University, Japan | Bioscience | A | 2013 |
| M.S. | Sher-e-Bangla Agricultural University, Bangladesh | Entomology | 3.44 out of 4.00 | 2007 |

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| B.Sc.Ag. (Hons.) | Sher-e-Bangla Agricultural University,Bangladesh | Agriculture | 2nd Class (59.53%) | 2002 (Exam. held in 2004) |
| H.S.C. | Dhaka Board, Bangladesh | Science | Frist Division (64.7%) | 1998 |
| S.S.C. | Dhaka Board, Bangladesh | Science | Frist Division (75.5%) | 1996 |

C. List of Publications :

| Sl. No. | Year of Publication | <u>International Journal</u> |
|---------|---------------------|--|
| 22 | 2013 | A Sultana , I Minami, D Matsushima, <u>M. Issak</u> , Y Nakamura , S Todoriki, and Y Murata. Catalases CAT1 and CAT3 are not key enzymes in alleviating gamma irradiation-induced DNA damage, H ₂ O ₂ accumulation, or lipid peroxidation in <i>Arabidopsis thaliana</i> . <i>Bioscience Biotechnology and Biochemistry</i> . 77(9). 1984-1987. |
| 21 | 2013 | A. Sultana , I. Minami, R. Ichiba, <u>M. Issak</u> , M. Tada, Y. Nakamura, T. Miyatake, S. Todoriki and Y. Murata. Effects of γ -irradiation on larval and adult stages of <i>Tribolium castaneum</i> (Red Flour Beetle). <i>Food Irradiation</i> . 48 (1): 19-23, 2013 |
| 20 | 2013 | A. Sultana , I. Minami, D. Matsushima, <u>M. Issak</u> , Y. Nakamura, S. Todoriki, and Y. Murata. Catalase, CAT2, is not involved in mitigation of gamma irradiation-induced H ₂ O ₂ accumulation or lipid peroxidation in <i>Arabidopsis thaliana</i> . <i>Food Irradiation</i> . 48 (1): 38-41, 2013. |
| 19 | 2010 | Issak M, 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>Intenational Journal of Agriculture, Environment & Biotechnology</i> , 3 (1) pp 15-20. |
| | | <u>National Journal</u> |
| 18 | 2020 | Sultana A , Zahan MS, Islam SA, Akter N, Mahbub MM, <u>Issak M</u> . 2020. 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> . 13 (03): 23-29. |
| 17 | 2020 | Sultana A , Shaikh NY, Zahan MS, Badshah MA, Akter R. <u>Issak M</u> . 2020. Response of transplanting date on growth and yield components of advanced lies of T. Aman rice. <i>Research in Agriculture, Livestock and Fisheries</i> . Vol.7. No. 1. P.1-7. |
| 16 | 2020 | Sultana A , Badshah MA, Zahan MS, Islam SA, Issak M. Spikelet fertility improvement of Boro advanced line (CN6) through supplemented nutrient management. <i>Research in Agriculture, Livestock and Fisheries</i> . 2020. Vol.7. |

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| | | No. 1. P.17-23. |
| 15 | 2020 | Sultana A , Munshi MH, Kamruzzaman M, Bari ASMF, Issak M. 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> . 2020. Vol.7. No. 1. P.33-42. |
| 14 | 2020 | Sultana A , Badshah MA, Zahan MS, Islam SA, Manir MR, Issak M. 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> . 2020. Vol.7. No. 1. P.51-59. |
| 13 | 2020 | R Akter, MA Badshah, A Sultana , MJ Turan, MJ Islam. Influence of integrated nutrient management and spacing on growth and yield of rice. <i>Research in Agriculture, Livestock and Fisheries</i> . 2020. Vol.7. No. 1. P.25-32 |
| 12 | 2020 | M.K. Hossain, M.M. Mahbub, S. Jabbar, A. Sultana and A.K.M. Ruhul Amin 1Performance of Nitrogen Application Methods on Different Inbred and Hybrid Rice Varieties. <i>World Journal of Agricultural Sciences</i> 16 (5): 308-311, 2020 |
| 11 | 2020 | F Ahmed, M Issak, 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. |
| 10 | 2018 | M Issak, 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> . 9 (1) . 1-8. 2018. |
| 9 | 2018 | FH Khan, M Adil, S Jahan, M Iqbal, MM Mozumder, A Sultana , MM Houque, MR Islam, MM Mian, and HU Ahmed. VALIDATION OF BRRI DEVELOPED FERTILIZER MANAGEMENT TECHNOLOGY AT FARMERS' FIELDS. <i>Eco- friendly Agril. J.</i> 11 (12) : 143-147, 2018 (December). |
| 8 | 2018 | FH Khan, M Adil, S Jahan, M Iqbal, MM Mozumder, A Sultana , MM Houque, MR Islam, MM Mian, and HU Ahmed. CONSEQUENCE OF FOLIAR APPLICATION OF SILICON ON YIELD AND QUALITY OF RICE IN T. AMAN SEASON OF BANGLADESH. <i>Eco-friendly Agril. J.</i> 11 (09) : 88-92, 2018 (September) |
| 7 | 2018 | FH Khan, M Adil, S Jahan, M Iqbal, MM Mozumder, A Sultana , MM Houque, MR Islam, MM Mian, and HU Ahmed. ASSESSMENT OF NP COMPOSITE (NPC) FERTILIZER ON BORO RICE <i>Eco-friendly Agril. J.</i> 11 (09) : 135-142, 2018 (September) |
| 6 | 2018 | FH Khan, M Adil, S Jahan, M Iqbal, MM Mozumder, A Sultana , MM Houque, MR Islam, MM Mian, and HU Ahmed. UPDATING FERTILIZER DOSES THROUGH SITE SPECIFIC NUTRIENT MANAGEMENT FOR BRRI RELEASED RICE VARIETIES. <i>Eco-friendly Agril. J.</i> 11 (09) : 93-95, 2018 (September) |
| 5 | 2018 | Khan, M Adil, S Jahan, M Iqbal, MM Mozumder, A Sultana , MM Houque, MR Islam, MM Mian, and HU Ahmed. PERFORMANCE OF VERMICOMPOST AND POULTRY MANURE ON RICE YIELD AND SOIL HEALTH . <i>Eco-friendly Agril. J.</i> 11 (12) : 148-151, 2018 (December). |
| 4 | 2017 | M Issak, A Sultana . Role of chitosan powder on the production of quality rice seedlings of BRRI dhan29. <i>Research in Agriculture, Livestock and Fisheries</i> . Accepted. 4 (3) . 141-149. 2017. |

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| 3 | 2017 | M Issak, 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> . Accepted. 4 (3). 157-164. 2017. |
| 2 | 2010 | M. Issak 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)Volno 8 pp.127-130. |
| 1 | 2010 | Sultana A , Rahman MM, Ali MR, <u>M. Issak</u> 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. |

D. Attending Seminars and Symposium

Oral Presentation

1. Effects of gamma irradiation on *Tribolium castaneum* (Red flour beetle) at different metamorphosis stages. **Amena Sultana**, Ikiko Minami, Ryuji Ichiba, Mohammad Issak, Mikiro Tada, Yoshimasa Nakamura, Takahisa Miyatake, Setsuko Todoriki, Yoshiyuki Murata. Okayama Bioactive Research Society & Okayama University. Bioactive Okayama, September 13, 2012.
2. Catalases are not key enzymes to alleviate gamma irradiation-induced DNA damage, H₂O₂ accumulation, or lipid peroxidation in *Arabidopsis thaliana*. **Amena Sultana**, Ikiko Minami, Daiki Matsushima, Mohammad Issak, Yoshimasa Nakamura, Setsuko Todoriki, Yoshiyuki Murata. Japan Society for Bioscience, Biotechnology and Agrochemistry. JSBBA meeting 2013, Hiroshima, September 6-7.

Poster Presentation

1. Effects of γ irradiation on *Tribolium castaneum* (Red flour beetle) at different metamorphosis stages. **Amena Sultana**, Ikiko Minami, Ryuji Ichiba, Mohammad Issak, Mikiro Tada, Yoshimasa Nakamura, Takahisa Miyatake, Setsuko Todoriki, Yoshiyuki Murata. Okayama Bioactive Research Society & Okayama University. Bioactive Okayama, September 13-14, 2012.
2. Gamma radiation sensitivity in different stages of *Tribolium castaneum* (Red flour beetle). **Amena Sultana**, Ikiko Minami, Mohammad Issak, Yoshimasa Nakamura, Yoshiyuki Murata. Division of Bioscience, Graduate School of Natural Science and Technology, Okayama University, Okayama. July 29, 2011.

E. Books /Monographs/ Bulletins

(i) ৯৬৬৬৬

| As Co-Principal author | |
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| ১. | আমন মৌসুমে সুগন্ধি জাতের ধানের ব্লাস্ট রোগের মাঠ পর্যায়ে দমন ব্যবস্থাপনা |
| ২. | বোরো মৌসুমে ধানের জাতের ব্লাস্ট রোগের মাঠ পর্যায়ে দমন ব্যবস্থাপনা |

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| ১. | শৈত্য প্রবাহ হতে ধান বীজতলার সুরক্ষা | |
| ২. | ধানের বীজ সংরক্ষণের আধুনিক কৌশল | |
| ৩. | যন্ত্রের সাহায্যে গুটি ইউরিয়া প্রয়োগ | |
| ৪. | ধানের ফলন ব্যবধান কমানোর উপায় | |
| ৫. | ধান ক্ষেতে হুঁদুর দমন ব্যবস্থাপনা | |
| ৬. | বোরো ধানের ফলন বৃদ্ধিতে আধুনিক প্রযুক্তির ব্যবহার | |
| ৭. | কম পানি ব্যবহার করে ধানের ফলন বাড়ানোর কৌশল | |

F. Certificates/Documents of the training programs

(a) In Country:

| Sl. No. | Name of programs |
|---------|---|
| 1. | Experimental Design and Data Analysis Training Course |
| 2. | Modern Rice Production Training Course |
| 3. | Procedure of soil and plant analysis |
| 4. | Procedure of soil and plant analysis |
| 5. | Methodology of Farming systems research and development |

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