

Resume of DR. MD. FUAD MONDAL

Contact Address

Department of Entomology, Faculty of Agriculture,

Sylhet Agricultural University, Sylhet, Bangladesh

Cell Phone: +88-01922-934568

e-mail: mondalmf.entom@sau.ac.bd, fuadentom@yahoo.com

EDUCATIONAL BACKGROUND

Ph.D. in Bio Production Science (Control Environment Agriculture), 2015, Shimane University, United Graduate School of Agricultural Science, Tottori University, Japan

Master of Science in Environmental Science, 2012, Shimane University, Japan

Master of Science in Entomology, 2008, Bangladesh Agricultural University, Bangladesh

Bachelor of Science in Agriculture, 2006, Bangladesh Agricultural University, Bangladesh

AWARDS AND SCHOLARSHIPS

Japanese Government Scholarship (Monbukagakusho: MEXT) for Ph.D. Program at United Graduate School of Agricultural Science, Tottori University, Tottori, Japan from October 2012 to September 2015

Japanese Government Scholarship (Monbukagakusho: MEXT) for MS Program at Department of Agriculture and Forest Science, Faculty of Life and Environmental Science, Shimane University, Japan From October 2010 to September 2012

National Science and Information & communication Technology (NSICT) Fellowship in 2007 from the Ministry of Science and Information & Communication Technology, Government of the People's Republic of Bangladesh

Professor Karim Memorial Trust Merit Award in 2006 at Bangladesh Agricultural University, Bangladesh for securing the highest Cumulative Grade Points Average (CGPA) among the successful students (161) in bachelor level

PUBLICATIONS

Research Papers in International Journals

Md.Fuad Mondal, Md. Asaduzzaman, Makoto Ueno, Mikiko Kawaguchi, Shozo Yano, Takuya Ban, Eisaku Kinoshita, Hideyuki Tanaka, Toshiki Asao. **2017. Reduction of Potassium (K)** content in strawberry through KNO₃ management in hydroponics. *The Horticulture Journal* (Accepted, doi: 10.2503/hortj.MI-113)

Md. Fuad Mondal, Md. Asaduzzaman, Toshiki Asao. **2015.** Adverse Effects of Allelopathy from Legume Crops and Its Possible Avoidance. *American Journal of Plant Sciences*, 6, 804-810

Md. Fuad Mondal, Md. Asaduzzaman, Hideyuki Tanaka, Toshiki Asao. **2015**. Effects of amino acids on the growth and flowering of *Eustoma grandiflorum* under autotoxicity in closed hydroponic culture. *Scientia Horticulturae*. Vol. 192, 453 – 459

Toshiki Asao, Md. Asaduzzaman, **Md. Fuad Mondal**. **2015**. Horticultural Research in Japan- Production of vegetables and ornamentals in hydroponics, its constraints and control measures. *Advances in Horticultural Science*, 28, (4), 167-168

Md. Fuad Mondal, Md. Asaduzzaman, Yutaro Kobayashi, Takuya Ban, Toshiki Asao. **2013**. Recovery from autotoxicity in strawberry by supplementation of amino acids. *Scientia Horticulturae*. Vol. 164, 137–144

Md. Asaduzzaman, **Md. Fuad Mondal**, Takuya Ban, and Toshiki Asao. **2013**. Selection of ideal succeeding crops after asparagus, taro and beans replanting field in seedling growth bioassay. *Alleopathy Journal*, 32 (1), 1-21

Toshiki Asao, Md. Asaduzzaman, **Md. Fuad Mondal**, Mayumi Tokura, Fumihiko Adachi, Makoto Ueno, Mikiko Kawaguchi, Shozo Yano, Takuya Ban. **2013**. Impact of reduced potassium nitrate concentrations in nutrient solution on the growth, yield and fruit quality of melon in hydroponics *Scientia Horticulturae* Vol. 164, 221–231

Md. Asaduzzaman, Yutaro Kobayashi, **Md. Fuad Mondal**, Takuya Ban, Hitoshi Matsubara, Fumihiko Adachi and Toshiki Asao. **2013**. Growing carrots hydroponically using perlite substrates. *Scientia Horticulturae*. Vol. 159, 113-121

M. S. Islam, M. A. Haque, K. S. Ahmed, **M. F. Mondal***, C. K. Dash **2013**. Evaluation of Some Spices Powder as Grain Protectant Against Pulse Beetle, *Callosobruchus Chinensis*(L.) *Universal Journal of Plant Science* 1(4), 132-136 (*Corresponding author

Kamrul Hasan, Mahfuza Pervin, **Fuad Mondal**, Mukta Mata. **2016**. Habitat Management: A key option to enhance natural enemies of crop pest. *Universal Journal of Plant Science* 4(4):50-57.

Purity analysis of commercially available brands of carbofuran in Gazipur district, Bangladesh. **2016**. R. Islam, M.M. Rahman, **M.F. Mondal**, M. A. Hossain, D. Halder and M.M. Rob. *International Journal of Natural Sciences*. 6(2):62-65.

Research Papers in National Journals

F. Mondal, K. S. Ahmed and S. N. Alam 2008. Parasitism Efficacy of Different Trichogramma spp on Rice Moth, *Sitotroga cerealella* (Oliver) and Rice Meal Moth, *Corcyra cephalonica* (Stainton) Eggs. *Bangladesh Journal of Agriculturist*. 1(2), 197-200

F. Mondal, K. S. Ahmed, S. N. Alam and M. Mahmudunnabi. 2008. Effect of host egg storage on parasitism of three Trichogramma spp. *Bangladesh Journal of Entomology*. 18 (2), 43-49.

F. Mondal, K. S. Ahmed and S. N. Alam 2008. Optimization of *Trichogramma evanescens* for effective parasitism on Rice moth, *Sitotroga cerealella* (Oliver) and Rice meal moth, *Corcyra cephalonica* (Stainton). *Bangladesh Journal of Seed Science and Technology*. 12(2), 183-186.

N. Nahar, S. Akter and **F. Mondal** 2008. Laboratory Evaluation of Extracts of Turmeric Powder Against Rice Weevil, *Sitophilus oryzae* (Curculionidae: Coleoptera). *Bangladesh Journal of Agriculturist*. 1(1), 63-67

C. K. Dash, M. M. Rahman, M. A. Haque, **M. F. Mondal** and M. H. Rashid 2009. Effect of Dipel (*Bacillus thuringiensis* spp. Kurstaki) on the Mortality, Growth and Feeding of Mango Defoliator *Cricula trifenestrata* h. (Lepidoptera, Saturniidae). *International Journal of Bio Research*. 7(1), 64-69

Success of Cleft Grafting as affected by the Number of Scion Nodes of Pummelo. 2016. M. M Rob, A.K. Singha, S. Bosak, U. Habiba, **M. F. Mondal**, and S. S. Nasreen. *Bangladesh Journal of Agriculturist*. 9(1&2): 9-14.

Book Chapter

Md. Fuad Mondal, Md. Asaduzzaman, Toshiki Asao. 2015, "Overcoming the Autotoxic Effects in Hydroponic Strawberry by Amino Acids Supplementation on Leaves and Electro-degradation of Nutrient Solution" in *New Developments in Allelopathy* (Chapter 3, Edt. By Julia E. Price Nova Publication, USA)

Proceedings (International)

Md. Fuad Mondal Y. Kobayashi, Md. Asaduzzaman, and T. Asao (2011). "Effects of light quality and amino acids application on the growth of *Eustoma* seedling." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 10 no. 2, p. 538

Asaduzzaman, M., Y. Kobayashi, **Md. Fuad Mondal**, K. Isogami, M. Tokura and T. Asao (2011). "Effects of low potassium nitrate concentrations in nutrient solution on the growth and fruit quality of melon." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 10 no. 2, p. 440

Y. Kobayashi, K. Tachibana, Md. Asaduzzaman, **Md. Fuad Mondal**, and T. Asao (2011). "Effects of low potassium concentrations in nutrient solution on the growth and fruit quality of strawberry." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 10 no. 2, p. 454

Md. Fuad Mondal, Md. Asaduzzaman, Y. Kobayashi, and T. Asao (2012). "Effects of some amino acids on the growth of strawberry plantlets under *in vitro* condition." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 11 no. 1, p. 378

Asaduzzaman, M., **Md. Fuad Mondal**, Y. Kobayashi, K. Isogami, M. Tokura and T. Asao (2012). "Effects of low potassium nitrate concentrations in nutrient solution on the growth and fruit quality of strawberry under florescence light." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 11 no. 1, p. 368

Y. Kobayashi, K. Tachibana, Md. Asaduzzaman, **Md. Fuad Mondal**, K. Isogami, M. Tokura and T. Asao (2012). "Cultivar differences in the production of low potassium fruit in strawberry." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 11 no. 2, p. 432

Md. Fuad Mondal, Md. Asaduzzaman, Y. Kobayashi and T. Asao (2012). "The growth and yield recovery in strawberry by some amino acids in Wagner's pot hydroponic system." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 11 no. 2, p. 434

Md. Asaduzzaman, **Md. Fuad Mondal**, Y. Kobayashi K. Isogami, M. Tokura and T. Asao (2012). "Effect of nutrient solution lacking potassium nitrate on the growth and fruit yield quality of melon." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 11 no. 2, p. 446

Md. Fuad Mondal, Y. Kobayashi, Y. Takubo, Md. Asaduzzaman and T. Asao (2013). "Production low of potassium content strawberry through adjusting calcium nitrate in the culture solution under fluorescence light." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 12 no. 2, p. 400.

Md. Asaduzzaman, Y. Kobayashi, **Md. Fuad Mondal**, K. Isogami, M. Ueno and T. Asao (2013). "Production low of potassium content Melon through quantitative management nutrient solution potassium in soilless hydroponic using perlite substrate." published in the Proc. *The Japanese Society for Horticultural Science*. Vol. 12 no. 2, p. 408.

TRAINING

'Mushroom Cultivation' in 2008 at National Mushroom Development & Extension Centre, Department of Agricultural Extension Sobhanbag, Savar, Dhaka, Bangladesh

Training on **Integrated Pest Management & Safe Use of Pesticides**, 12-14 December 2015, Bangladesh Agricultural Research Institute, Bangladesh

Training on **"Modern Production Technology of Citrus"** 6-8 October 2016, Citrus Research Center, Zaintapur, Sylhet, Bangladesh.

LANGUAGE PROFICIENCY

Strong written and verbal communication ability in **English** and **Bengali (Mother Language)**

'An Advanced Course on Communicative English' from March – May, 2006 in the Department of Languages, Bangladesh Agricultural University, Bangladesh.

Fairly can speak **Japanese, Hindi, Urdu and Persian**

JOB EXPERIENCE

Assistant Professor, Department of Entomology, Sylhet Agricultural University, Sylhet, Bangladesh (2012-till date).

Lecturer, Department of Entomology, Sylhet Agricultural University, Sylhet, Bangladesh (2010-2012).

Research Fellow in a EU-funded research project entitled "Sustainable Production of Toxic Pesticide Free Vegetable Production in Bangladesh" Under Entomology Division of Bangladesh Agricultural Research Institute, Joydebpur, Gazipur, during January 2008 to June 2008.

MEMBERSHIP

Member of Bangladesh Entomological Society, Bangladesh

Member of Bangladesh Society of Seed Technologist, Bangladesh

Japanese Society of Horticultural Science, Japan

I hereby declare that the above statements and information are correct and complete to the best of my knowledge.

Thanking you

Dr. Md. Fuad Mondal

Assistant professor

Department of Entomology

Sylhet Agricultural University,

Sylhet, Bangladesh