

Curriculum Vitae (CV)

Personal information

Name : Md. Panna Ali
Father's name : Md. Ramjan Ali
Mother's name : Mrs. Afshon Khatun
Current affiliation : Laboratory of Biotechnology, Department of Bioscience,
Graduate School of Science and Technology, Shizuoka
University, Shizuoka, Japan
Permanent affiliation : Entomology Division, Bangladesh Rice Research Institute
(BRRI), Gazipur-1701, Bangladesh
Permanent home Village: Ghoshbila, Post office: Jamjami, Thana: Alamdanga
address District: Chuadanga, Bangladesh
Date of birth : 12 April, 1981.
Nationality : Bangladeshi (by birth)
Religion : Islam
Sex : Male
Marital status : Married
Contact number : 08036504222 (in Japan), 01712466223 (in Bangladesh)
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Educational background

- i) PhD degree (Ongoing, expected graduation date on September 2015) in Shizuoka University, Shizuoka, Japan
- ii) MSc in Entomology from Bangladesh Agricultural University, Bangladesh in 2005
- iii) B.Sc.Ag (Hons.) from Bangladesh Agricultural University, Bangladesh in 2004

Awards and fellowship

- i) Young Rice Scientist Award 2014 by IRRI (International Rice Research Institute, Philippines)
- ii) John Henry Comstock Graduate Student Award, Entomological Society of America, 2012
- iii) Japanese Government Scholarship (MEXT) 2010, Japan
- iv) Environmental Leader Fellowship 2012, Japan
- v) Training Fellowship (3 months), Postgraduate Certificate Course on Seed Technology funded by SID-DANIDA, Denmark held at BAU, Mymensingh-2202, 2006

Research interest: To develop sustainable pest management system in Bangladesh using both in biochemical and transgenic approach.

Research Experience	9 years
Date	December 2012 to Present
Occupation or position held	PhD researcher
Main activities and responsibilities	Development of recombinant baculovirus insecticides for controlling insect pests. Expression of toxin gene using baculovirus expression system. Purification of toxin protein and study their function against target organisms.
Date	November 2007 to November 2012
Occupation or position held	Senior Scientific Officer
Main activities and responsibilities	Insect-plant interaction, screening of rice germplasms, behavioural response of insects such as BPH, GLH, WBPH, thrips. Varietal reaction of different insect pests both in greenhouse and field, Integrated Pest management (IPM), Survey and monitoring of rice insect pests and their natural enemies.
Date	January 2007- November 2007
Occupation or position held	Scientific Officer
Main activities and responsibilities	Screening of mustard genotypes (<i>Brassica napus</i> , <i>B. campestris</i>) and soybean. Field trial of SYT, RYT of different mustard and ground nut advance lines, Field demonstration of some mustard and ground nut varieties in farmers field, Seed production of ground nut at farmers field, Integrated management of oil seeds crops.
Type of business or sector	Independent researcher
Mother language	Bengali

Other language
Self-assessment

English

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
Proficient user	Proficient user	Independent user	Proficient user	Proficient user

Computer skills and competences

Microsoft Word, Microsoft Excel, Microsoft Power point, Adobe Photoshop, Regression, Linear model, Logistic regression model, SPSS etc.

Personal interests

Creating agricultural arts, showing at agriculture fair and visiting art galleries. Enjoy all sports particularly hockey, football and running. Love to travel and experience different cultures.

Scientific publication

1. **MP Ali**, T Kato and Enoch Y. Park (2015) Improved insecticidal activity of recombinant baculoviruses containing an insect-specific toxin gene. Submission in progress (Journal: Applied and Environmental Microbiology).
2. **MP Ali**, Katsuhiko Yoshimatsu, Tomohiro Suzuki, Tatsuya Kato and Enoch Y. Park (2014) Expression and purification of cyto-insectotoxin (Cit1a) using silkworm larvae targeting for an antimicrobial therapeutic agent. Applied Microbiology and Biotechnology 98(16): 6973-82.
3. **MP Ali** (2014) Pesticide overuse: Stop killing the beneficial agents. Journal of Environmental and Analytical Toxicology 4:223. doi: 10.4172/2161-0525.1000223.
4. **Ali MP**, Huang D, Nachman G, Ahmed N, Begum MA, et al. (2012) Will climate change affect outbreak patterns of planthoppers in Bangladesh? PLoS ONE 9(3): e91678.
5. **MP Ali** and TR Choudhury (2012) Tagging and mapping of genes and QTLs of *Nilaparvata lugens* resistance in rice. Euphytica 195 (1): 1-30.
6. Gough SK, **MP Ali**, TR Choudhury and SR Ahmed (2013) Effect of variety and

transplanting date on the incidence of insect pests and their natural enemies. *World Journal of Agricultural Sciences* 1: 158-167.

7. Bari, M. N., M. F. Rabbi, M. Hasan and **MP Ali** (2012) Assessment of Yield Losses of Some Modern Rice Varieties due to Rice hispa infestation in different rice seasons of Bangladesh. *Bangladesh J Entom.* **22** (1): 47-59.
8. **Ali, M. P.**, M. A. Begum, A. B. M. Anwar, M. Z. Alam and D. Huang (2012) Screening of rice genotypes for resistance to the brown planthopper, *Nilaparvata lugens* Stål. *Cereal Research Communication* 40: 502-508.
9. **Ali, M. P.**, A. A Naif and D. Huang (2011) Prey consumption and functional response of a phytoseiid predator, *Neoseiulus womersleyi*, feeding on spider mite, *Tetranychus macferlanei*. *Journal of Insect Science*. Available in <http://www.insectscience.org/11.167>
10. **Ali, M. P.**, M. Asaduzzaman and A. B. M. A. Uddin (2010) Biotic potential of two coccinellid predators (*Delphastus pusillus* and *Menochilus sexmaculatus*) against guava whitefly. *Int. J. Biores.* 8: 40-44.
11. **Ali, M. P.**, M. A. Malek, M. Asaduzzaman and M. Jahan (2010) Study of insect fauna in different growth stages of soybean crop (*Glycine max*). *Eco-friendly Agri. J.* 3: 104-108.
12. Islam, M.T., M. Asaduzzaman, **M. P. Ali**, M. A. Munsur and M. Jahan (2009) Host preference and damage assessment of pulse beetle, *Callosobruchus maculatus* F. *Bangl. J. Entomol.* 19: 83-89.
13. Mamun, A.A., M. Asaduzzaman, **M. P. Ali**, N. K. Dutta and K. S. Islam (2009) Management of guava whitefly using botanical and chemical insecticides. *Bangl. J. Entomol.* 19:73-82.
14. **MP Ali**, M., Asaduzzaman, A. B. M Anwar Uddin, R. Khatun and H. Begum (2009) Efficacy of sesame oil as protectant of seed against pulse beetle, *Callosobruchus chinensis* L. on stored gram seed. *Eco-friendly Agri. J.* 2: 555-558.
15. Islam M T, M Asaduzzaman, M M I Masum, and **M. P. Ali** (2009) Studies of *Callosobruchus maculatus* as a stored pulse beetle in relation to host preference, biology and management through botanicals. *Intl. J. Biores.* 6: 17-24
16. Shikdar, H., **MP Ali**, M., Asaduzzaman, A. A. Mamun and M. Ahmad (2008) Seasonal abundance and nature of damage of citrus pests on five varieties of citrus. *Bangl. J. Entomol.* 18: 61-68.
17. Choudhury TR, M.Z.I. Mollah, M.A. Khan, **MP. Ali**, A.M.S. Chowdhury and A.I.

Mostafa (2014) Mechanical Properties Characterization of Jute Yarn Treated by Photo-curing with EG (Ethylene Glycol): Surface Treatment (KmnO₄). Journal of Composites and Biodegradable Polymers 2: 10-21.

18. **Ali MP**, Tasrina Rabia Choudhury, Babul Hossain, Md Panna Ali (2014) Determination of traces of molybdenum and lead in foods by x-ray fluorescence spectrometry. SpringerPlus 01/2014; 3:341. DOI:10.1186/2193-1801-3-341.
19. Choudhury TR, Mohammad Ali¹, Syed Ahmed Rahin and **MP Ali** (2013) Trace elements in the hair of normal and chronic arsenism people. Global Advanced Research Journal of Environmental Science and Toxicology 2:163-173.
20. Alam MZ, **MP Ali**, Naif Abdullah Al-Harbi and Tasrina Rabia Choudhury (2011) Contamination status of arsenic, lead, and cadmium of different wetland waters Toxicological & Environmental Chemistry 93: 1934–1945

Research Support

SL No.	Project title	Sources of funds	years	Role
1	Integrated management of insect pests in rice field under INTEGRATED AGRICULTURAL PRODUCTIVITY PROJECT	World bank	2012	Working scientist
2	Impact of climate change on insect pests in Bangladesh under BRRI/CEGIS -CLIMATE CHANGE IMPACTS VULNERABILITY AND ADAPTATION: SUSTAINING RICE PRODUCTION IN BANGLADESH	The Norwegian Institute for Agricultural and Environmental Research (Bioforsk)	2012	Working scientist
3	Pulse and oil seed production in Bangladesh	Ministry of Agriculture, Bangladesh	2007	working scientist

Research talks and posters presented

Talks (Oral presentation)

1. **MP Ali**, T Kato and Enoch Y. Park. 2014. Development of an improved recombinant baculovirus insecticide containing an insect-specific toxin gene. 04 December 2014, Seeds and Needs Seminar, Shizuoka, Japan.
2. **MP Ali**, Katsuhiko Yoshimatsu, Tomohiro Suzuki, Tatsuya Kato and Enoch Y. Park. 2014. Expression and purification of cyto-insectotoxin (Cit1a) using silkworm larvae targeting for an antimicrobial therapeutic agent. 28 March 2014, Annual Meeting of Japan Society for Japan Society for Bioscience, Biotechnology and Agrochemistry (BBA), Meiji University, Ikuta Campus, Japan.
3. **MP Ali**, Katsuhiko Yoshimatsu, Tomohiro Suzuki, Tatsuya Kato and Enoch Y. Park. Expression and purification of cyto-insectotoxin (cit 1a) using silkworm larvae targeting for an antimicrobial therapeutic agent. 24-27 September 2013, Fall International Seminar on Global and Regional Environmental Issues.
4. **MP Ali**, Tatsuya Kato and Enoch Y. Park. A Spider Venom Toxin Causes Early Insect Death Inducing Early Cell Death Caused by Necrosis. 29-30 September 2014.
5. **MP Ali**, N Ahmed, F Rabbi and D Huang 2013. Response of a Serious Rice Pest, *Scirpophaga incertulas* in Warmer World. 11 November 2013, ESA Annual meeting, Austin, USA.
6. **MP Ali**. 2012. Integrated management of rice yellow stem borer and leaf folder in Barisal region of Bangladesh, Regional Rice Research Institute, Barisal, Bangladesh. A day long workshop, August 2012.
7. **M. P. Ali** and T. Gotoh. Molecular Identification and Reproductive Performance of Two Closely Related Phytoseiid Mites. Joint Seminar, September 26, 2011, Tokyo University of Agriculture and Technology, Tokyo, Japan.

Poster presentation

1. **MP Ali**, Tatsuya Kato and Enoch Y. Park. Development of an improved recombinant baculovirus insecticide containing an insect specific toxin gene. 30 September 2014, ELSU Symposium, Shizuoka.
2. **MP Ali**, Katsuhiko Yoshimatsu, Tomohiro Suzuki, Tatsuya Kato and Enoch Y. Park. 2014. Expression and purification of cyto-insectotoxin (Cit1a) using silkworm larvae targeting for an antimicrobial therapeutic agent. December 2013. Seed and Seed Business seminar, Shizuoka.

Extension presentation

1. **MP Ali.** 2012. Identification and integrated management of insect pests. The lecture was delivered at a Training Programme for SAAOs (Sub Assistant Agriculture Extension Officers) have been conducted at Taraganj, Pirgang, Mithapukur and Rangpur Sadar, Bangladesh. August 2012.
2. **MP Ali.** 2012. Integrated management of insect pests. The lecture was delivered at training programmes for SAAOs and farmers that have been completed in Jhalokhati sadar, Bangladesh, July 2012.
3. **MP Ali.** 2012. Introducing and demonstration of major rice insect pests and their natural enemies to several groups of farmers. These lectures were delivered to special farmers in 4 different locations in Bangladesh.
4. **M. P. Ali** and M. Begum. Introducing of rice insects and their natural enemies to extension field workers. August, 2010, BRRI, Gazipur, Bangladesh.
5. **M. P. Ali** and M. Begum. Demonstrating the screening procedures against insect pests of rice to extension field workers. July, 2010, BRRI, Gazipur, Bangladesh.
6. **MP Ali.** 2010. **Radio Talk** on the incidence of insect pests and their management in Aus rice growing season. (March 2010, Bangladesh Radio, Dhaka, Bangladesh).

Professional Membership

- i) Japan Society for Japan Society for Bioscience, Biotechnology and Agrochemistry
- ii) Entomological Society of America
- iii) International Association of Plant Protection Sciences (IAPPS)
- iv) Bangladesh Entomological Society
- v) Bangladesh Rice Research Institute Scientist's Association

MD PANNA ALI

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