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Date of birth March 19, 1976  
Place of birth Thakurgaon, Bangladesh

### Academic Degrees

2012 PhD, Tokyo University of Agriculture and Technology, Japan  
2002 M.S, Bangladesh Agricultural University, Bangladesh  
2000 B.Sc-Agriculture, Bangladesh Agricultural University, Bangladesh

### Professional Career

10/2012- to date - Senior Scientific Officer- Bangladesh Jute Research Institute, Dhaka, Bangladesh  
10/2009- 09/2012- Doctoral student- Tokyo University of Agriculture and Technology, Japan  
11/2004- 09/2009- Scientific Officer- Bangladesh Jute Research Institute, Dhaka, Bangladesh  
07/2004- 10/2004- Agriculture Instructor-Agricultural Training & Management Development Institute,  
Gazipur, Bangladesh  
01/2003- 06/2004- Agriculture Teacher- BRTC High School, Gazipur, Bangladesh

**Research Interest** Mechanism of animal development and evolutionary changes  
RNAi, microRNAs, gene regulation, host-insect interaction, pest control

**Memberships** Molecular Biology Society of Japan, Entomology Society of Bangladesh  
Agriculturist Institution of Bangladesh, Seed Technology Society of Bangladesh

**Marital Status** Married. Wife- Aliya Parvin, Daughter- Faiza Sabniha

### Seminar/Workshop

#### Oral presentation

Ecdysone-responsive transcription factors determine the expression region of target cuticular protein genes in the epidermis of *Bombyx mori*. The 82<sup>nd</sup> Annual meeting of Japanese Society of Sericultural Science. Kyushu University, Japan. March 18, 2012.

#### Poster Presentation

Ecdysone-responsive transcription factors determine the expression space of target cuticular protein genes in the epidermis of *Bombyx mori*. The 34th Annual meeting of the Molecular Biology Society of Japan. Pacifico Yokohama, Japan. December 14, 2011.

**Publications with peer review process:**

1. Masamitsu Yamaguchi, **Md. Saheb Ali**, Yasuhide Yoshioka, Luong Linh Ly, and Hideki Yoshida.2017. NF-Y in invertebrates. *Biochimica et Biophysica Acta (BBA)-Gene Regulatory Mechanisms*.
2. **Md. Saheb Ali**, Birendra Mishra, Mohammad Sahin Polan, Osamu Ninagi, Ahsanul Haque Swapon and Masamitsu Yamaguchi.2017. Regulation studies of a cuticle protein underlying genomic analysis. *International Journal of Molecular Genetics and Gene Therapy*, 1(2), pp.1-5.
3. **Md. Saheb Ali**, Birendra Mishra, R. F. Rahman, and Ahsanul Haque Swapon.2016. The silkworm *Bombyx mori* cuticular protein CPR55 gene is regulated by the transcription factor  $\beta$ FTZ-F1. *The Journal of Basic & Applied Zoology*, 73, pp.20-27.
4. **Md. Saheb Ali**, R. F. Rahman, and Ahsanul Haque Swapon . 2015. Transcriptional regulation of cuticular protein glycine-rich13 gene expression in wing disc of *Bombyx mori*, lepidoptera. *Journal of Insect Science*, 15(1), p.27.
5. **Md. Saheb Ali** and Ahsanul Haque Swapon. 2015. Regulation of tweedle cuticular protein gene expression at the pre-pupal stage in wing discs of *Bombyx mori*. *Munis Entomol. Zool.*, 10, pp.225-233.
6. **Md. Saheb Ali**, Ahsanul Haque Swapon and Masamitsu Yamaguchi. 2014. Expression patterns of hypothetical cuticular protein genes in *Bombyx mori*. *Eur. J. Biotechnol. Biosci.*, 2, pp.52-57.
7. **Md. Saheb Ali**, and Ahsanul Haque Swapon.2014. Developmental expression and hormonal responsiveness of cuticular protein genes at the prepupal stage in wing discs of *Bombyx mori*. *J. Entomol. Zool. Stud.*, 2, pp.138-143.
8. **Md. Saheb Ali**, Masashi Iwanaga, and Hideki Kawasaki. 2013. Ecdysone-responsive transcriptional regulation determines the temporal expression of cuticular protein genes in wing discs of *Bombyx mori*. *Gene*, 512(2), pp.337-347.
9. **Md. Saheb Ali**, Masashi Iwanaga, and Hideki Kawasaki. 2012. Ecdysone-responsive transcription factors determine the expression region of target cuticular protein genes in the epidermis of *Bombyx mori*. *Development genes and evolution*, 222(2), pp.89-97.
10. **Md. Saheb Ali**, Hua-Bing Wang, Masashi Iwanaga, and Hideki Kawasaki. 2012. Expression of cuticular protein genes, BmorCPG11 and BMWCP5 is differently regulated at the pre-pupal stage in wing discs of *Bombyx mori*. *Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Biology*,162(1), pp.44-50.
11. Hua-Bing Wang, **Md. Saheb Ali**, Minoru Moriyama, Masashi Iwanaga, and Hideki Kawasaki.2012. 20-hydroxyecdysone and juvenile hormone analog prevent precocious metamorphosis in recessive trimolter mutants of *Bombyx mori*. *Insect biochemistry and molecular biology*, 42(2), pp.102-108. 2012
12. Mohammad Ali, **Md. Saheb Ali**, Abul Fazal Mollah, MH Rashid and GKMN Haque. 2008.Study on yield loss of rice due to insect infestation. *International Journal of Sustainable Agriculture & Technology*, 4(5), pp.65-68.

13. Mubarak Hossen, **Md. Saheb Ali**, Mahmuda Begum, Ayesha Khatton and Naznin Pervin. 2008. Effect of insect pest on vegetable production. *International Journal of Sustainable Agriculture & Technology*, 4(5), pp.26-28.
14. Nurul Islam, **Md. Saheb Ali**, Mohammad Ali, Abul Fazal Mollah and MM Rahman. Impact of insect and disease infestation on yield gap analysis and economic profitability of jute. 2008. *International Journal of Sustainable Agriculture & Technology*, 4(3), pp.45-47.
15. **Md. Saheb Ali**, MMR Shah, MH Rashid and Nurul Islam. 2008. Analysis of insect infestation on rice. *International Journal of Sustainable Agriculture & Technology*, 4 (3), pp.29-31.



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