Photo (stamp size) add here	 **Dr. Hossain Ali Mondal** Department of Genetics and Plant Breeding, Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooochbehar, Pin code: 736165 INDIA Contact: hossain_bic@rediffmail.com hossainalimondal@gmail.com hossain_bi@yahoo.com
Official address/Department	
Residential address	Hossain Ali Mondal Professor Quarter Room No. A1-G2 Uttar Banga Krishi Viswavidyalaya, Pundibari, Cooochbehar, Pin code: 736165 INDIA
Phone	+918345034884 +919932760288
Fax	03582-270249
E-Mail (Institutional)	hossain@ubkv.ac.in
Working in UBKV since	June 02, 2014
Professional Training	
National/International recognition/awards	♦ Qualified 'National Level Eligibility Test' [CSIR-LS] in the year of 2002 and 2003 in Life Science. ♦ Qualified 'National Level Eligibility Test' [ICAR-LS] in the year of 2004 in Genetics. ♦ Awarded best poster presentation at the National Symposium on 21st Century Research in Biochemistry & Biophysics organized by Department of Biochemistry & Biophysics, University of Kalyani, West Bengal, during February 1-3, 2007. ♦ Awarded University Merit Scholarship for the Ph.D program in BCKV, Kalyani, WB, India.
Patents	**Total number of Patents: 3** **1. Sampa Das and** Hossain Ali Mondal**. Preparation, purification and characterization of new insecticidal monocot lectins from *Amorphophallus paenifolius* and *Zinziber oficinalis*.** Patent number: **IN200800480-12**; Publication date: June 27, 2008 2. Sampa Das, Dipankar Chakraborty and **Hossain Ali Mondal**. Improved process for preparing pure mannose-binding lectin from *Allium sativum* effective against white fly, cotton aphid and *aphis craccivora*. Patent number: **IN200800481-12;** Publication date: June 27, 2008

	3. Sampa Das, Santanu Banerjee, Pralay Majumdar, **Hossain Ali Mondal**, Prasenjit Saha, Dipankar Chakraborti. Mannose binding lectin from *Allium sativum* leaves, effective, against white fly and cotton aphid and process for its preparation. Patent number: **IN200500889-12;** Publication date: August 4, 2006; **Date of grant: February10, 2009**
Fellow of the Society	Not Applied
Research Interests and area of specialization	Genetics and Molecular Biology of Plant Defence Response to Sucking Insects
Best 10 Publications with NAAS impact score > 5	**Plz visit Web for details:** http://www.ncbi.nlm.nih.gov/pubmed?term=hossain%20mondal http://scholar.google.com/citations?user=QPAMWgwAAAAJ&hl=en https://www.researchgate.net/profile/Hossain_Mondal/contributions?ev=prf_act **Research Articles having NAAS rating 5 or above 5** **1. Plant cell** Nobuhiro Suzuki, Gad Miller, Carolina Salazar, **Hossain A. Mondal**, Elena Shulaev, Diego F. Cortes, Joel L. Shuman, Xiaozhong Luo, Jyoti Shah, Karen Schlauch, Vladimir Shulaev, and Ron Mittler. **Temporal-Spatial Interaction between Reactive Oxygen Species and Abscisic Acid Regulates Rapid Systemic Acclimation in Plants.** The Plant Cell, Vol. 25: 3553–3569, September 2013. **2. Plant Signaling and Behavior (NAAS rating is not known)** Joe Louis***, Hossain A. Mondal*** and Jyoti Shah. **Green peach aphid infestation induces Arabidopsis PHYTOALEXIN-DEFICIENT4 expression at site of insect feeding**. Volume 7, Issue 11 November 2012. ***equal contributor** **3. American Journal of Plant Science (NAAS rating is not known)** **H. Mondal**, A. Roy, S. Gupta and S. Das, "**Exploring the Insecticidal Potentiality of *Amorphophallus paeonifolius* Tuber Agglutinin in Hemipteran Pest Management**," American Journal of Plant Sciences, Vol. 3 No. 6, 2012, pp. 780-790. doi: 10.4236/ajps.2012.36094. **Web:** http://www.scirp.org/journal/PaperInformation.aspx?PaperID=20028&JournalID=207 **4. PloS ONE** **Mondal HA,** Chakraborti D, Majumder P, Roy P, Roy A, et al. (2011) **Allergenicity Assessment of Allium sativum Leaf Agglutinin, a Potential Candidate Protein for Developing Sap Sucking Insect Resistant Food Crops**. PLoS ONE 6(11):

e27716. doi:10.1371/journal.pone.0027716

5. Plant Physiology

Joe Louis, Enrico Gobbato, **Hossain A. Mondal**, Bart J. Feys, Jane E. Parker and Jyoti Shah. (2012) **Discrimination of Arabidopsis PAD4 activities in defense against green peach aphid and pathogens**. Vol. 158, pp. 1860–1872.

Theme of this Research Article came in the cover page

6. Plant Cell Reports

Subhadipa Sengupta, Dipankar Chakraborti, **Hossain A. Mondal** and Sampa Das. **Selectable antibiotic resistance marker gene-free transgenic rice harbouring the garlic leaf lectin gene exhibits resistance to sap-sucking plant hoppers**. Plant Cell Rep. 2010 Mar; 29(3):261-71.

7. Journal of Proteome Research

Anindya Sarkar, Daniel Hess, **Hossain A. Mondal**, Santanu Banerjee, Hari C. Sharma and Sampa Das. **Homodimeric alkaline phosphatase located at *Helicoverpa armigera* midgut, a putative receptor of Cry1Ac contains α-GalNAc in terminal glycan structure as interactive epitope**. J. Proteome Res. 2009, 8, 1838-1848.

8. Transgenic Research

D. Chakraborti, A. Sarkar, **H.A. Mondal,** S. Das, **Tissue specific expression of Allium sativum leaf agglutinin (ASAL) in important pulse crop chickpea (Cicer arietinum L.) to resist the phloem feeding *Aphis craccivora***, Trans. Res. 18 (2009) 529-544.

9. Plant Cell Reports

D. Chakraborti, A. Sarkar, **H. A. Mondal**, D. Schuermann, Barbara Hohn, B. K. Sarmah and S. Das. **Cre/lox system to develop selectable marker free transgenic tobacco plants conferring resistance against sap sucking homopteran insects**. Plant Cell Reports, 2008, 27: 1623-1633.

10. Journal of Agricultural and Food Chemistry

Majumder, P., **Mondal, H. A** and Das, S. **Monitoring of the insecticidal ability of *Arum maculatum tuber* lectin and its binding to the glycosylated insect gut receptors**. *J. Agric. Food Chem*. 2005, 53, 6725-6729.

Gene Cloning and submission to Genbank [NCBI]:

1. Mondal, H. A., et al. *Amorphophallus paeonifolius var. campanulatus* mannose

	binding tuber lectin mRNA, complete cds.[Accession No. EU083312]. Web: http://www.ncbi.nlm.nih.gov/nuccore/EU083312 2. **Mondal, H. A.**, et al. *Zingiber officinale* mannose binding rhizome lectin mRNA, complete cds. [Accession No. EU083313]. Web: http://www.ncbi.nlm.nih.gov/nuccore/EU083313 **Other accessions**: DQ202395; DQ083542; EU252577; GQ167723; DQ160187; DQ255944. **In brief:** **Total publication: 34 (10 + 3 + 5 + 8 + 2 + 6)** ● **10 Research Articles in International, Peer Reviewed and High Impact Journal [Senior author: 3]** Total Impact Factors (Not NAAS Rating) from 9 papers: 38.229, Total citation: 209 https://scholar.google.com/citations?user=QPAMWgwAAAAJ&hl=en&oi=ao! ● **3 Patents** ● 5 Research Articles in Indian Journals [Senior author: 2] ● **8 Gene cloning and NCBI Gene Bank submission** [Senior author: 3] ● 2 Research articles in National/International Proceedings ● 6 Abstracts published in National/International Symposium
Books or Chapter in Books	Started ...
Variety Release etc.	Not Applicable
Courses teaching	**Course Involved (Vary from Year to Year):** **Doctoral and Master level:** GP 501: Principles of Genetics (2+1) GP 509: Biotechnology for Crop Improvement (2+1) GP 510: Breeding for Biotic and Abiotic Stress Resistance (2+1) GP 603: Genomics in Crop Improvement ()2+1 GP 605: Advances in Plant Breeding (2+0) ENT 607 Molecular Approaches in Entomological Research (1+1)

	Under Graduate level: GPB 101: Crop Physiology (2+1) (2014-2015 only) GPB 151: Principles of Genetics and Cytogenetics (2+1) GPB 301: Principles of Pant Biotechnology (1+1) GPB 401: Molecular Breeding (1+2) GPB 403: Recombinant DNA Technology (1+2) GPB 404: Bioinformatics (1+2) **College of Agriculture, Tapan** Under graduate level GPB 101: Crop Physiology (2+1) (2014-2015 only) GPB 151: Principles of Genetics and Cytogenetics (2+1) (2015)
Research Projects/ supports	Not applied yet
Number of Seminar/ symposium attended	1. International Symposium on 'Plant Biology 2012, Austin, TX, USA, July 20-24, 2012' organized by American Society of Plant Biologists [ASPB]. 2. International Symposium on 'A Journey from Plant Physiology to Plant Biology' organized by the Bose Institute, Kolkata-700 054, November 24th-28th, 2008. 3. National Symposium on "21st Century Research in Biochemistry & Biophysics" organized by Department of Biochemistry & Biophysics, University of Kalyani, held in University of Kalyani, West Bengal, during February 1 – 3, 2007. The Best Poster award was received by Hossain Ali Mondal.
Laboratory strength, you work in	---
Number of scholars, you are supervising (MSc & PhD)	---
Additional duty in administration	Performed the duties assigned by Authority