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EMPLOYMENT:

2016.1-till today Assistant Project Scientist, University of California Davis

Working in collaboration with ICRISAT on a USAID funded project to lead Feed the Future Innovation Lab for Climate-Resilient Millet.

Field of Study: Plant molecular biology and biotechnology for climate-resilient crops.

2013.1-2015.12 Postdoctoral Fellow, University of California Davis

Worked in collaboration with ICRISAT on a USAID funded project to investigate abiotic stress tolerance in crops.

Field of Study: Genetic engineering of crop plants for abiotic stress tolerance.

- *Agrobacterium-mediated genetic transformation of Peanut (*Arachis hypogaea*) and Green millet (*Setaria viridis*) using genes and gene combinations constructs conferring tolerance to adverse environmental conditions (drought, salinity, heat).*
- *Biolistic-mediated genetic transformation of Pearl millet (*Pennisetum glaucum*) using genes and gene combinations constructs conferring tolerance to adverse environmental conditions (drought, salinity, heat).*
- *Molecular and physiological analyses of transgenic plants using PCR, Southern, qRT-PCR and physiological measurements.*
- *Understanding the molecular mechanisms of stress tolerance in crop plants using RNA-seq analysis.*

2011.8-2012.12 Postdoctoral Research Associate, Department of Plant and Microbiology

Worked in collaboration with Noble Foundation on a DEO funded project to investigate the mechanism of 'ferulic acid' biosynthesis and incorporation in cell wall of grasses.

Field of Study: Genetic modification of grasses cell wall for enhanced biofuel production.

- *Cloning and vector preparation for overexpression and RNAi silencing of cell wall related MYB61 and MYB-like transcription factors from rice.*
- *Agrobacterium-mediated genetic transformation of rice using overexpressing and RNAi constructs.*
- *Reverse genetic study of activation-tagged lines of rice and phenotyping for cell wall components analysis using HPLC.*
- *RNA-seq and cell wall components analyses of Switchgrass genotypes.*

2011.1-2011.7 Postdoctoral Research Associate, University of Massachusetts Amherst

Worked in collaboration with Noble Foundation on a NSF funded project to investigate the role of cell wall 'EXTENSINS' genes on growth and development of Arabidopsis.

Field of Study: Deciphering the role of cell wall 'EXTENSINS' genes on growth and development, abiotic and biotic stress tolerance of Arabidopsis.

- *Reverse genetics and gene expression study of EXTENSIN3 mutant using microarray and qRT-PCR.*
- *Reverse genetics, genotyping, phenotyping and gene expression study of EXTENSIN18 mutant using microscopy, PCR and qRT-PCR.*

2007.7-2010.12 Postdoctoral Fellow, The Samuel Roberts Noble Foundation Inc.

Worked in collaboration with the University of Oklahoma, OK, USA on a joint NSF-USDA funded '5,000 Virus Genomes' project.

Field of Study: Ecogenomic study to understand the ecology and biodiversity of plant viruses and associated microbes.

- *Development of rapid method for massively parallel 454 pyrosequencing of plant viruses from Total Nucleic Acid and dsRNA.*
- *Analysis of viromes from 7,500 plant species to understand high incidence of a persistent endornavirus in *Capsicum annuum* and widespread infection of an acute Zucchini yellow mosaic virus to many wild plants and cultivated crops.*

2006.7-2007.7 Assistant professor, University of Calcutta

Field of Study: Plant molecular biology and biotechnology.

- *Lectured and monitored theoretical and practical classes of MS students of Botany, Biotechnology, Genetics and Genomics (2nd Semester BotC 24: 2+2), and Plant Molecular Biology and Genetic Engineering (3rd Semester BotC 33: 2+2).*
- *Worked in collaboration with the Bose Institute on the development of an efficient *Agrobacterium*-mediated genetic transformation of oilseed mustard (*Brassica juncea*) using leaf piece explants.*
- *Worked on the development of chromosome databases for Indian plants.*

2002.1-2006.8 Research Fellow, Bose Institute

*Worked in collaboration with the University of Calcutta, Kolkata and the University of Delhi South Campus, Delhi, IND as an ad-hoc CSIR-NET (Govt. of IND) fellow on **Ph. D. thesis** entitled 'Development of Insect Resistance in Indica Rice Cultivars: A Crop Management Strategy'.*

Field of Study: Genetic engineering of crop plants for biotic stress resistance.

- **Agrobacterium*-mediated genetic transformation of constitutive as well as phloem specific expression of mannose-binding insecticidal genes into rice, mustard, chickpea and tobacco.*
- *Molecular analyses of transgenic plants using PCR, Southern, Northern, western blot, ELISA and bioassay.*
- *Understanding the molecular mechanisms of insect resistance of transgenic plants.*

EDUCATION:

Ph. D.	2007	Plant Molecular Biology	Bose Institute
M. Sc.	1999	Botany	University of Calcutta
B. Sc.	1997	Botany	Presidency College

HONORS/AWARDS/GRANTS AND RESEARCH FUNDING:

1. CO-PI research funding on a DEO-JGI funded 2013 community sequencing project "***Panicum virgatum* RNA sequencing to identify gene expression changes related to biofuel traits**"
2. Research fellowship from Department of Biotechnology (DBT), Govt. of India, 2001-2002
3. Research Fellowship/Lectureship from Council of Scientific and Industrial Research (CSIR), University Grants Commission (UGC), Govt. of IND by qualifying National Eligibility Test (NET), 2000
4. National Scholarship award from Govt. of IND, 1997-1999

PUBLICATIONS:**In preparation:**

1. **Saha P**, Sade N*, Arzani A, Rubio M, Coe MK, Li B, Blumwald E (2016) Effects of abiotic stress on physiological plasticity and water use on green millet (*Setaria viridis* L.). **Plant Science (under review)** (*equally contributed).
2. Lin F, Manisseri C, Williams B, Fagerstrom A, Peck M, Chiniquy D, Vega-Sanchez M, **Saha P**, Pattathil S, Conlin B, Zhu L, Hahn M, Willats W, Scheller HV, Ronald PC, Bartley L (2016) Correlations among cell wall components and candidate biosynthesis gene expression during rice development. **Plant Cell Physiology (under review)**.
3. Farcuh M, **Saha P**, Blumwald E. (2016) Use of 'bud sports' to understand the complexity of fruit ripening behaviors. **Acta Horticulturae (In preparation)**.

Published:

4. **Saha P**, Blumwald E (2016) Spike dip transformation of *Setaria viridis*. **The Plant Journal 86: 89-101**
5. Chaudhuri P, **Saha P**, Ray T, Tang Y, Maura MC (2015) EXTENSIN18 is required for full male fertility as well as normal vegetative growth in Arabidopsis. **Frontiers in Plant Science 6(553): 1-14**
6. Kim H-Y*, **Saha P***, Farcuh M, Li B, Sadka A, Blumwald E (2015) RNA-Seq Analysis of Spatiotemporal Gene Expression Patterns During Fruit Development Revealed Reference Genes for Transcript Normalization in Plums. **Plant Molecular Biology Reporter 33:1634-1649** (*equally contributed)
7. Chen Y, Ye D, Held M, Cannon M, Ray T, **Saha P**, Frye NA, Mort A, Kieliszewski M (2015) Identification of the Abundant HRGPs in the Walls of Wild Type Arabidopsis and the Walls of EXT3 Mutant Lines. **Plants 4(1): 85-111**
8. **Saha P**, Blumwald E (2014) Assessing reference genes for accurate transcript normalization using quantitative Real-Time PCR in Pearl Millet [*Pennisetum glaucum* (L.) R. Br.]. **PLoS one 9 (8), e106308**
9. **Saha P**, Ray T, Tang Y, Dutta I, Evangelous NR, Kieliszewski MJ, Chen Y, Maura MC (2013) Self-Rescue of an EXTENSIN Mutant Reveals Alternative Gene Expression and Candidate Proteins for New Cell Wall Assembly in *Arabidopsis*. **The Plant Journal 75:104-116**
10. Ray T, **Saha P**, Roy SC (2013) Micropropagation of *Cordyline terminalis*. In: Lambardi M *et al.* (Eds), **Protocols for Micropropagation of Selected Economically Important Horticultural Plants. Methods in Molecular Biology, Vol. 994, Humana Press, Chapter 21: 269-277**
11. Okada R, Kiyota E, Yong CK, Moriyama H, Fukuhara T, Sabanadzovic S, **Saha P**, Roossinck MJ, Valverde RA (2011) *Capsicum annuum* endornavirus: molecular and biological properties and occurrence in the genus *Capsicum*. **Journal of General Virology 92: 2664-2673**
12. Roossinck MJ, **Saha P**, Wiley GB, Quan J, White JD, Lai H, Chavarria F, Shen G, Roe BA (2010) Ecogenomics: using massively parallel pyrosequencing to understand virus ecology. **Molecular Ecology 19 (Suppl. 1): 81-88**
13. **Saha P**, Dutta I, Banerjee S, Das S (2008) *Allium sativum* leaf lectin: a potent sap feeding insect control protein expressed in rice and mustard. In: Kumar A *et al.* (Eds), **Recent Advances in Plant Biotechnology and its Applications, Chapter 25, pp 409-418**
14. Dutta I, **Saha P***, Das S (2008) Efficient *Agrobacterium*-mediated genetic transformation of oilseed mustard [*Brassica juncea* (L.) Czern.] using leaf piece explants. **In Vitro Cellular & Developmental Biology - Plant 44:401-411** (*communicating author)

15. Saha P, Chakraborti D, Sarkar A, Dutta I, Basu D, Das S (2007) Characterization of vascular-specific *RSs1* and *rolC* promoters for their utilization in engineering plants to develop resistance against hemipteran insect pests. *Planta* **226:429-442**
16. Saha P, Dasgupta I, Das S (2006) A novel approach for developing resistance in rice against phloem limited viruses by antagonizing the phloem feeding hemipteran vectors. *Plant Molecular Biology* **62: 735-752**
17. Saha P, Majumder P, Dutta I, Ray T, Roy SC, Das S (2006) Transgenic rice expressing *Allium sativum* leaf lectin with enhanced resistance against sap-sucking insect pests. *Planta* **223: 1329-1343**
18. Ray T, Saha P, Roy SC (2006) Commercial production of *Cordyline terminalis* (L) Kunth. from shoot apex meristem and assessment for genetic stability of somaclones by isozyme markers. *Scientia Horticulturae* **108: 289-294**
19. Ray T, Dutta I, Saha P, Das S, Roy SC (2006) Genetic stability of three economically important micropropagated banana (*Musa* spp.) cultivars of lower Indo-Gangetic plain, as assessed by RAPD and ISSR markers. *Plant Cell Tissue and Organ Culture* **85: 11-21**
20. Saha P, Roy SC (2005) *In-Vitro* rapid propagation of *Acacia auriculiformis* A. Cunn. ex Benth., an economically important multipurpose tropical forest tree. *Bangladesh Journal of Genetics and Biotechnology* **6:33-35**
21. Dutta I, Saha P, Majumder P, Sarkar A, Chakraborti D, Banerjee S, Das S (2005) The efficacy of a novel insecticidal protein, *Allium sativum* leaf lectin (ASAL), against homopteran insects monitored in transgenic tobacco. *Plant Biotechnology Journal* **3: 601-611**
22. Ray T, Saha P, Roy SC (2005) *In vitro* plant regeneration from young capitulum explants of *Gerbera jamesonii*. *Plant Cell Biotechnology and Molecular Biology* **6:35-40** (with cover page)
23. Dutta I, Majumder P, Saha P, Roy K, Das S (2005) Constitutive and phloem specific expression of *Allium sativum* leaf agglutinin (ASAL) to engineer aphid (*Lipaphis erysimi*) resistance in transgenic Indian mustard (*Brassica juncea*). *Plant Science* **169: 996-1007**

INVITED TALK/ SESSION CHAIR/ CONFERENCES AND SEMINAR:

1. **Pyrosequencing reveals Prevalence of Persistent Plant Viruses in a Biodiversity Hotspot.** Department Botany and Microbiology, University of Oklahoma, Norman, OK, USA (17 November 2011)
2. **Understanding diversity of viruses and developing resistance against them by antagonizing their vectors in crop plants.** Invited talk at the Institute for Plant Genomics and Biotechnology (IPGB), Texas A&M University, TX, USA (21 November 2010)
3. **Plant metabolomics workshop.** Hands-on training on GC/MS and LC/MS sample preparation and analysis. Analytical Chemistry Core, Noble Foundation, Ardmore, OK, USA (8-11 November 2010)
4. **Widespread infection of Zucchini yellow mosaic virus in wild plants.** Sixth Virus Evolution Workshop, SRNF, Ardmore, OK, USA (21-24 October 2010)
5. **Ecogenomic study of plant viruses reveals widespread infection of wild plants with Zucchini yellow mosaic virus.** 11th International Plant Virus Epidemiology Symposium; Cornell University, Ithaca, NY, USA (June 20-24, 2010) and XIX Annual Virology Retreat, SRNF, Ardmore, OK, USA (30 April-2 May 2010)
6. **Epidemiology of Zucchini yellow mosaic virus in a biodiversity hotspot and its relationship to disease emergence.** ASV, UBC, Vancouver, BC, CAN (11-14 July 2009)
7. **Genome sequencing approach to determine the ecology and evolution of plant RNA viruses.** Fifth Virus Evolution Workshop, SRNF, Ardmore, OK, USA (2-5 October 2009)
8. **High diversity of plant viruses in a biodiversity hotspot.** XVIII Annual Virology Retreat, SRNF, Ardmore, OK, USA (18-20 April 2008)
9. **Understanding biodiversity of plant viruses from a natural wildland habitat.** XVII Annual Virology Retreat, SRNF, Ardmore, OK, USA (18-20 April 2008)

10. **Techniques in Molecular Biology.** *Department of Botany, Calcutta University, Kolkata, IND (21 February- 2 March 2007)*
11. **Insect-mediated virus transmission techniques.** *Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi, IND (4-30 November 2005)*
12. **Classical Cytogenetics and Modern Biotechnology.** *Department of Botany, Calcutta University, Kolkata, IND (January 2005)*
13. **National Rice Biotechnology Network Meeting.** *NASC Complex, Indian Council of Agricultural Research, New Delhi, IND (15-17 April 2004)*
14. **Plant Biodiversity: Conservation and Evaluation.** *Bose Institute, Kolkata, IND (17-20 December 2002)*
15. **Isolation, Restriction digestion and Purification of cloned *Ama1* gene from *Amaranthus hypochondriacus*.** *National Institute of Plant Genome Research, Jawaharlal Nehru University, New Delhi, IND (July-August 2001)*
16. **Alien Gene Transfer in Plant.** *Department of Botany, Calcutta University, Kolkata, IND (March 2001)*
17. **Sophisticated Instruments used in Biological and Biomedical Research.** *Bose Institute, Kolkata, IND (September-November 2000)*

ABSTRACTS AND POSTERS:

1. Faruch M, **Saha P**, Blumwald E (2016) Use of bud sports to understand the complexity of fruit ripening behaviors. *VIII International Postharvest Symposium: Enhancing Supply Chain and Consumer Benefits - Ethical and Technological Issues, Cartagena, Spain.*
2. Zhao K, Lin F, **Saha P**, Goh H-J, An G, K-H Jung, Bartley L (2016) Identification of Rice Secondary Cell Wall Associated Regulators via Genome-scale Network Analysis. *XXIV PAG, San Diego, CA, USA.*
3. Bartley L, **Saha P**, Zhang C, Lin F, Serba D, Thibivilliers S, Santoro N, Saha M (2014) Gene expression vs. cell wall composition correlations vary among switchgrass Genotypes. *4TH Pan-American Congress on Plants and BioEnergy, University of Guelph, Canada.*
4. Zhang C, **Saha P**, Serba D, Jha A, Zhao K, Saha M,2 and Bartley L (2014) Transcriptomic analysis of four switchgrass genotypes toward revealing the molecular basis of cell wall recalcitrance. *9th Genomics of Energy and Environment, JGI, Walnut Creek, CA, USA.*
5. Bartley L, **Saha P**, Lin F (2014) Gene Expression vs. Cell Wall Composition Correlations Vary Dramatically Among Switchgrass. *XXII PAG, San Diego, CA, USA.*
6. Zhao K, Bartley LE, **Saha P** (2014) Identification of Regulators in Grass Secondary Cell Wall Biosynthesis Via Gene Network Analysis in Rice. *XXII PAG, San Diego, CA, USA.*
7. **Saha P**, Ray T, Indrajit Dutta, Tang Y, Cannon MC (2013) Deciphering the role of cell wall EXTENSIN (EXT) genes on growth and development of *Arabidopsis*. *Western Section ASPB, UC Davis, Davis, CA, USA.*
8. Lin F, Maniseri C, Fagerstrom A, Williams B, Chiniquy DM, Peck ML, **Saha P**, Vega-Sanchez M, Fangel JU, Willats WT, Scheller HV, Ronald PC, Bartley LE (2013) Identification of Grass Cell Wall Synthesis Genes From Correlations between Gene Expression and the Abundance of Cell Wall Polymers in Rice. *The XIIIth Cell Wall Meeting, Nantes, France.*
9. Bartley LE, Zhao K, **Saha P**, Li X, Saha M, Brummer CE, Wu Y, Zhu L, Santoro N (2013) Association Genetics and Functional Genomics of Switchgrass Cell Wall Quality Regulation. *USDA-DOE Plant Feedstock Genomics for Bioenergy Meeting (Genomic Science Contractors-Grantees Meeting XI), Bethesda, MD, USA.*
10. **Saha P**, Zhao K, Bartley LE (2012) Deciphering the role of MYB transcription factors in Ferulic Acid (FA) incorporation in grass cell walls. *ASPB, Austin, TX, USA.*
11. Ray T, **Saha P**, Tang Y, Cannon MC (2012) EXTENSINS and their expression in *Arabidopsis*. *ASPB, Austin, TX, USA.*
12. Zhao K, **Saha P**, Bartley LE (2012) Identification of the Regulatory Genes of the Phenylpropanoid Biosynthesis Pathway by Network Analysis of the Model Grass, Rice. *ASPB, Austin, TX, USA.*
13. **Saha P**, Zhao K, Thibivilliers SB, Peck M, Bartley LE (2012) Understanding transcriptional regulation of ferulic acid (FA) incorporation in grasses cell wall. *Oklahoma-EPSCOR Annual Conference, Oklahoma State University, OK, USA.*

14. Valverde R, **Saha P**, Gutierrez D, Ranjith Kumar CT, Roossinck MJ, Kao C (2009) Bell pepper endornavirus: host range, sequence, and effect on cellular signaling. *Phytopathology*99 (6). *S134*
15. Roossinck MJ, Wiley GB, **Saha P**, Shen G, Quan J, Roe BA, Chavarría F, Palmer M, Thapa V, Melcher U (2009) EcoGenomics: Measuring incidence of RNA plant virus infection in two distinct ecosystems using massively parallel sequencing. *ASV, UBC, Vancouver, BC, Canada.*
16. **Saha P**, Chavarría F, Quan J, Roe BA, Roossinck MJ (2008) Pyrosequencing of plant viral genomes. *PAG, San Diego, CA, USA.*
17. Roossinck MJ, Feldman T, Morsy M, Shen G, **Saha P** (2008) The intersection of plant and fungal viruses: verily the twain shall meet. *Genetics and Biochemistry of Plant-Fungal Interactions (NCCC-207 Meeting). University of Wisconsin Madison, WI, USA.*
18. Roossinck MJ, **Saha P**, Chavarría F, Quan J, Roe BA (2007) The 5,000 Virus Genome Project. *ASV, Cornell University, Ithaca, NY, USA.*
19. Das S, **Saha P**, Dasgupta I (2007) Transgenic lectin rice plants showing resistance to rice tungro disease. *ASPB, Chicago, IL, USA.*
20. **Saha P**, Majumder P, Dutta I, Das S (2004) Binding study of the brush border membrane vesicle receptor protein of green leafhopper to garlic leaf lectin. *National Rice Biotechnology Network Meeting, New Delhi, IND.*
21. Das S, **Saha P**, Majumder P, Dutta I (2004) Mannose binding garlic leaf lectin, A potential component of crop management programme. *National Rice Biotechnology Network Meeting, New Delhi, IND.*
22. Biswas S, Chakrabarty S, Raha S, **Saha P**, Roy SC (2003) Study of cytological and biochemical aspects in three common leafy amaranths. *Perspectives in Cytology and Genetics, University of Calcutta, Kolkata, IND.*

PATENT:

Das S, Banerjee S, Majumder P, Mondal HA, **Saha P**, Chakraborti D (2005) Mannose binding lectin from *Allium sativum* leaves, effective against whitefly and cotton aphid and process for its preparation (Patent number 228783; Application number 889/KOL/2005).

ACCESSIONS:

1. GenBank **DQ640308** [gi : 104530385] Cloning of novel insecticidal mannose-binding lectin gene from *Annona squamosa* seed. NCBI, 2006
2. GenBank **DQ255944** [gi : 80978887] Molecular cloning of *Allium cepa* leaf lectin gene expressing mannose-binding protein resistant against insect and viruses. NCBI, 2005
3. GenBank **DQ160187** [gi : 73810201] Cloning of phloem specific rolC promoter from *Agrobacterium rhizogenes* Ri plasmid of A4 strain. NCBI, 2005
4. GenBank **DQ083542** [gi : 68161563] *Arum maculatum* leaf lectin, an insecticidal protein. NCBI, 2005
5. GenBank **DQ202395** [gi : 76496419] Molecular cloning of *Amorphophallus campanulatus* leaf lectin gene conferring insect resistance. NCBI, 2005
6. GenBank **AY866499** [gi : 57235707] Mannose binding garlic leaf lectin is an insecticidal protein. NCBI, 2004

RESEARCH ACKNOWLEDGMENT:

1. Roossinck MJ (2012) Plant Virus Metagenomics: Biodiversity and Ecology. Annual Review of Genetics 46: 359-369
2. Feldman T, Morsy M, Roossinck MJ (2012) Are communities of microbial symbionts more diverse than communities of macrobial hosts? Fungal Biology 116:465-477

SKILLS:

Genetic transformation and tissue culture:

Agrobacterium-mediated genetic transformation of Rice (*Oryza sativa*) including *Indica* rice cultivars IR64 and Pusa Basmati, Chickpea (*Cicer arietinum*), Mustard (*Brassica juncea*), Peanut (*Arachis hypogaea*), Green millet (*Setaria viridis*), and Tobacco (*Nicotiana tabacum*) etc.

Biolistic-mediated genetic transformation of Pearl millet (*Pennisetum glaucum*).

Callus culture, embryo culture, suspension culture, organogenesis, somatic embryogenesis, artificial seed preparation, micropropagation of economically important plants. Development and standardization of

micropropagation protocols for *Acacia auriculiformis*, *Anthurium sp.*, *Cordyline terminalis*, *Dalbergi sissoo*, *Gerbera jamesonii*, *Musa sp.* and *Philodendron sp.*

Molecular Biology: Basic molecular biological techniques such as, plasmid DNA preparation (miniprep, maxiprep), plant D/RNA isolation, nuclear protein isolation, dsRNA extraction, PCR, *in-situ* PCR, RT-PCR, q-PCR (Taqman and Sybr green), cDNA/random library preparation, cloning (gene, promoter, virome) in different vectors (pUC, pET, pGEM T/A, pBI, pCAMBIA etc.), Gateway cloning, vector construction, RAPD, ISSR, rolling cycle amplification (RCA), and next generation sequencing (454 pyrosequencing and illumina).

Plant Physiology and Analyses: Physiological analyses for drought, salinity and heat stress treatments, phenotyping of transformed plants for growth and development, biomass, cell-wall quality, relative water content, stomatal conductance and photosynthetic efficiency measurements using LI-COR 6400-40. Insect bioassay (artificial diet; *in-planta*) and insect-mediated virus transmission assay.

Cytology and Microscopy: Cytophotometric measurements of DNA, chromosome preparation, cytological analysis (using IKAROS), karyotyping, primed *in-situ* labeling (PRINS) and fluorescence *in-situ* hybridization (FISH). Stereomicroscopy and fluorescence microscopy (Zeiss, Leica) using FISH IMAGER.

Biochemical and Biophysical: Gel electrophoresis (agarose, SDS-PAGE), isozymes, expression of proteins, dot blot, Southern hybridization, northern hybridization, western blotting, electrophoretic mobility shift assay (EMSA), HPLC, transient GUS assay, enzyme-linked immunosorbent assay (ELISA), immunohistochemical, immunohistofluorescence and ligand blot. Familiar with MALDI-TOF, GC-MS and LC-MS.

Bioinformatics and Biostatics: Working experience in bioinformatic tools like DNASTAR, VectorNTI, Geneious, BLAST, multiple alignments using ClustalW, MAFFT, Mesquite, MacClade, phylogenetic analysis using ModelTest, MEGA, PAUP, MrBayes, and PAML etc. qRT-PCR and 454 sequencing data analysis. Biostatics programs like NTSYS, SPSS and MeV etc.

I am proficient in Microsoft Word, Excel, Power point, Photoshop, Internet, and able to retrieve scientific information from the web and communicate electronic communication. I have the ability to sit and work in a sterile laminar flow hood for long periods. I also have excellent writing experience and wrote several research manuscripts.

RESEARCH PROFILE:

Google Scholar: <http://scholar.google.com/citations?user=ihcNxcAAAAAJ&hl=en&oi=ao>

LinkedIn: <https://www.linkedin.com/in/prasenjiti-saha-b0b71475>

ResearchGate: http://www.researchgate.net/profile/Prasenjiti_Saha4

UNDERGRADUATE MENTORED TO DATE: UCD: 5; OU: 2; UMAss: 2

REFERENCES: Recommendation will be available upon request.