

Curriculum Vitae

PERSONAL INFORMATION **Parth Sarothi Saha**



Location: Bangladesh Forest Research Institute (BFRI), Soloshahar, Chattogram 4000 (Bangladesh)
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Email: parth.bfri@gmail.com | parth.saha@outlook.com
LinkedIn: linkedin.com/in/parthsarothisaha

Gender: Male | **Date of birth:** 30 November 1986 | **Nationality:** Bangladesh

PERSONAL STATEMENT Develop myself as a tree breeder and geneticist to improve the quality and performance of trees of forests and outside of forests.

WORK EXPERIENCE

15 Jun 2022 – Present

Senior Research Officer

Bangladesh Forest Research Institute (BFRI)
Soloshahar, 4000 Chattogram (Bangladesh)

15 Oct 2021 – 15 Mar 2022

Plant Breeding Manager

British American Tobacco Bangladesh Company Limited

BAT Bangladesh Mirpur Leaf Depot, Mirpur Road, 7002 Kushtia (Bangladesh)

- Drive an Asia tobacco breeding programme hub in Bangladesh.
- Strategic planning and allocation of breeding resources in germplasm improvement.
- Development of tobacco hybrids with higher yield, stability, quality, tolerant for main diseases with stable chemistry content and sensorial attributes.
- Ensure germplasm traceability, asset security and approach for confidential information.
- Coordinate breeding efforts with internal and external partners.

7 Jun 2021 – 14 Oct 2021

Associate Scientist- Breeding Research

17 Feb 2019 – 6 Jun 2021

Assistant Scientist- Breeding Experiments and Field Trials

Rice Breeding Innovation Platform, International Rice Research Institute (IRRI)

IRRI Bangladesh Office, House 103, Road 1, Banani, 1213 Dhaka (Bangladesh)

- Enhancement of the private sector's rice breeding capacity.
- Mentoring staff and partner scientists for rice breeding capacity development.
- Development and execution of rice breeding trials in Bangladesh.
- Collection, processing, and analysis of experimental data to generate reports.
- Coordination of Breeding4Results (B4R) activities in Bangladesh.
- Contribute to write project proposals and recommendations for further research.

13 Nov 2017–14 Feb 2019

Area Trialing Lead

14 May 2016–12 Nov 2017

Senior Research Trial Officer

Field Crop Seeds Development, Syngenta Bangladesh Limited

Panchbaria, Magura Road, 7401 Jashore (Bangladesh)

- Planning and implementation of hybrid rice and corn seed trials in Bangladesh.
- Trial protocol preparation, data collection and reporting of rice and corn trials.
- Hybrid rice and corn seed product development for business in Bangladesh.
- Development of training materials and provide training to the trialling team.
- Maintain professional relationship with rice and corn seed system stakeholders.

23 Sep 2012–8 Mar 2016

Sector Specialist (Genetics and Plant Breeding)

Agriculture and Food Security Programme, BRAC

BRAC Agricultural Research and Development Centre, CERDI Road, 1701 Gazipur (Bangladesh)

- Rice breeding research planning and implementation for variety development.
- Evaluation of advanced breeding lines and conduct INGER and multi-location trials.
- Research data collection, statistical analysis and report writing.
- On farm conservation and characterization of rice germplasm.

EDUCATION

- 18 Jul 2010–30 Jun 2012 **Master of Science in Genetics and Plant Breeding** CGPA: 3.919 (Out of 4.00)
Bangladesh Agricultural University, Mymensingh (Bangladesh)
MS Thesis: Molecular characterization and genetic study of submergence tolerant rice genotypes.
- 1 Apr 2006–19 May 2010 **Bachelor of Science in Agriculture** CGPA: 3.809 (Out of 4.00)
Bangladesh Agricultural University, Mymensingh (Bangladesh)
- 1 Aug 2002–26 Sep 2005 **Higher Secondary School Certificate (HSC)** GPA: 4.30 (Out of 5.00)
Shahid Syed Nazrul Islam College, Mymensingh, Dhaka Education Board (Bangladesh)
- 1 Jan 1992–3 Jul 2002 **Secondary School Certificate (SSC)** GPA: 4.38 (Out of 5.00)
Raghunathpur High School, Muktagacha, Dhaka Education Board (Bangladesh)

TRAINING AND COURSES

- 17 May 2021–27 May 2021 **Gender Responsive Plant Breeding Training Course**
GREAT Project of Makerere University (Uganda) and Cornell University (USA)
- 1 Dec 2020–4 Dec 2020 **Bioinformatics: SNP to GWAS**
IRRI Education, International Rice Research Institute (IRRI), IRRI HQ, Los Banos (Philippines)
- 23 Nov 2020–25 Nov 2020 **Geospatial Analytics using R Online Training**
IRRI South Asia Regional Centre (IRRI SARC), Varanasi (India)
- 1 Aug 2020–1 Sep 2020 **Understanding Plants - Part I: What a Plant Knows**
Understanding Plants - Part II: Fundamentals of Plant Biology
Tel Aviv University offered through Coursera (Online non-credit course)
- 2 Dec 2019–13 Dec 2019 **AGGRi Breeding4Results Training**
IRRI Education, International Rice Research Institute (IRRI), IRRI HQ, Los Banos (Philippines)
- 1 Sep 2019–12 Sep 2019 **Rice Grain Quality Analysis Course**
Bangladesh Rice Research Institute, Gazipur (Bangladesh)
- 7 Aug 2019–9 Aug 2019 **Training on Practical Statistics in Genstat for Biological Scientists**
Genstat Summer School, VSNi, Beijing (China)
- 10 Jun 2019–21 Jun 2019 **Rice Breeding Course**
IRRI Education, International Rice Research Institute (IRRI), IRRI HQ, Los Banos (Philippines)
- 11 Oct 2015–15 Oct 2015 **Course on Scientific Writing**
BRAC University, Dhaka (Bangladesh)
- 19 May 2014–6 Jun 2014 **Rice: Research to Production Course**
International Rice Research Institute, Los Banos (Philippines)
- 6 Jan 2013–14 Jan 2013 **Training on Statistical Package: Mstatc, PLABSTAT, BASICA and STATGRAPHICS Plus**
Department of Genetics and Plant Breeding, Bangladesh Agricultural University (Bangladesh)
- 9 Oct 2012–11 Oct 2012 **Training course on Hybrid Rice Production Technology**
Bangladesh Rice Research Institute, Gazipur (Bangladesh)
- 1 Nov 2011–28 Dec 2011 **An Advanced Course on Communicative English**
Department of Languages, Bangladesh Agricultural University (Bangladesh)

ADDITIONAL INFORMATION

Awards

- 2015: Youth Leadership Award for the Environment.
- 2011: President's Rover Scout Award of Bangladesh Scouts.
- 2011: Ambassador, 11th Rover Adventure Camp of Bangladesh Scouts Rover Region.
- 2011: National Science, Information and Communication Technology Fellowship.

Publications Research Articles:

- Ahmed B, Hasan AK, Karmakar B, Hasan MS, Akter F, **Saha PS** and Haq ME, 2020. Influence of Date of Sowing on Growth and Yield Performance of Field Pea (*Pisum sativum* L.) Genotypes, *Asian Research Journal of Agriculture*. 13(2): 26-34
- Biswas CD, Biswas BK, Sadat MA, Tareq MZ and **Saha PS**, 2018. Breeding drought tolerant rice variety for rain-fed agronomic system in Bangladesh, *J. Expt. Biosci.* 9(2): 7-16
- Biswas CD, Biswas BK, Sadat MA, **Saha PS**, and Tareq MZ, 2018. Morphological comparison among upland and lowland rice varieties for development of drought resistant variety. *Int. J. Bus. Soc. Sci. Res.* 6(4): 96-102.

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- Islam MMU, **Saha PS**, Chakrobarty T, Saha NK, Islam MS and Salam MA, 2017. Genetic diversity of aromatic rice in Bangladesh. Res. Agric. Livest. Fish.,4 (1): 01-06.
- Ferdous H, Karim MR, **Saha PS**, Rahman MJ, Kabir MA, Islam MS. 2016. Performance of GSR genotype as influenced by different crop establishment methods. International Journal of Biosciences. 9(4): 157-168, 2016.
- Ahmed A, Kabir MA, Rashid MM, Islam MS, **Saha PS**. 2016. Influence of different fertilizer rates on the growth and yield of transplanted aman rice genotypes. International Journal of Agronomy and Agricultural Research. 9(1): 47-54, 2016.
- **Saha PS**, Islam MU, Islam MS and Salam MA. 2015. Analysis of Yield Components and Aroma of Small Grain Aromatic Rice (*Oryza sativa* L.) in Bangladesh. The Agriculturists. 13(2): 17-24, 2015.
- Ahmed A, Shaon SG, Islam MS, **Saha PS**, Momin MA. 2015. Genetic Diversity Analysis in Exotic Hybrid Rice Genotypes Grown During Wet Season in Bangladesh. The Agriculturists. 13(2): 89-96, 2015.
- Robin AHK, **Saha PS**. 2015. Morphology of lateral roots of twelve rice cultivars of Bangladesh: dimension increase and diameter reduction in progressive root branching at the vegetative stage. Plant Root. 9: 34-42 (2015).
- Ahmed A, Shaon SG, Islam MS, **Saha PS**, Islam MM. 2014. Genetic Divergence Analysis of HRDC Rice Hybrids in Bangladesh. Bangladesh Journal of Plant Breeding and Genetics. 27(2): 25-32, 2014.

Conference Proceedings:

- **Saha PS**, Islam MU and Salam MA. 2015. Genetic diversity in aromatic rice grains of Bangladesh. Paper presented in Annual conference of Seed Science Society of Bangladesh at BAU, Mymensingh.
- **Saha PS**, Islam MU and Salam MA. 2015. Development of short duration transplanted aman rice in Bangladesh. Paper presented in Bangladesh Science Conference at BSMRAU, Gazipur, Bangladesh.

Poster Presentations:

- Salam MA, **Saha PS** and Islam MU. 2014. Cold Tolerant Early Rice for Flash Flood Prone Hoar Areas of Bangladesh: Farmers' Demand. Poster presented in 4th International Rice Congress at Bangkok, Thailand.
- Salam MA, Islam MU and **Saha PS**. 2014. Conservation of Aromatic Rice Biodiversity: Heritage of Bangladesh. Poster presented in 4th International Rice Congress at Thailand.
- Salam MA, Saha NK, **Saha PS**, Islam MU and Karim MR. 2013. Studies on Rice Improvement for Lower Sensitivity to Cold Stress. Poster presented in 7th Rice Genetics Symposium, Manila, Philippines.

Memberships

- Life member, Seed Science Society of Bangladesh (SSSB).
- Member, Plant Breeding and Genetics Society of Bangladesh (PBGs).
- Member, Bangladesh Association for the Advancement of Science (BAAS).
- Member, Agriculturist Institution Bangladesh (KIB).
- Member, Young Professionals for Agricultural Development (YPARD).
- Member, Association of Top Achiever Scouts (ATAS) of Asia Pacific Region of WOSM.

References

- Dr. Mohammad Rafiqul Islam, Scientist-II, Rice Breeding Innovation Platform, International Rice Research Institute (IRRI), IRRI Bangladesh Office, House-103, Road-1, Banani, 1213 Dhaka (Bangladesh). Cell: +8801720654497, E-mail: mr.islam@irri.org.
- Dr. Ujjal Kumar Nath, Professor, Department of Genetics and Plant Breeding, Bangladesh Agricultural University (BAU), 2202 Mymensingh (Bangladesh). Cell: +8801716715307, E-mail: ujjalnath@bau.edu.bd; ujjalnath@gmail.com.
- Dr. Arif Hasan Khan Robin, Professor, Department of Genetics and Plant Breeding, Bangladesh Agricultural University (BAU), 2202 Mymensingh (Bangladesh). Cell: +8801714239469, E-mail: gpb21bau@bau.edu.bd; gpb21bau@gmail.com.