



Parth Sarothi Saha

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<https://scholar.google.com/citations?user=gld2RkAAAAAJ&hl=en>

Personal Statement

To develop myself as an efficient silviculturist by executing forest management research to improve the productivity of trees of forests and outside of forests.

Education

- 01 Jul 2025–31 Mar 2026 **Post Graduate Diploma in Remote Sensing and GIS** CGPA: 9.36 (Out of 10)
 Centre for Space Science and Technology Education in Asia and The Pacific (CSSTEAP), Indian Institute of Remote Sensing (IIRS), Dehradun, India.
Project Title: Modeling Canopy Height and Aboveground Biomass of The Sundarban Mangroves, Bangladesh using Multi-Sensor Earth Observation Data.
- 18 Jul 2010–30 Jun 2012 **Master of Science in Genetics and Plant Breeding** CGPA: 3.919 (Out of 4.0)
 Bangladesh Agricultural University (BAU), 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)
 Bangladesh Agricultural University (BAU), Mymensingh, Bangladesh.

Work Experience

- 15 Jun 2022–To Date **Senior Research Officer**
 Silviculture Research Division, Bangladesh Forest Research Institute (BFRI), Bangladesh.
- 15 Oct 2021–15 Mar 2022 **Plant Breeding Manager**
 Leaf Operations, British American Tobacco Bangladesh Company Limited, Bangladesh.
- 7 Jun 2021–14 Oct 2021 **Associate Scientist- Breeding Research**
 Rice Breeding Innovation Platform, International Rice Research Institute (IRRI), Bangladesh.
- 17 Feb 2019–6 Jun 2021 **Assistant Scientist- Breeding Experiments and Field Trials**
 Rice Breeding Innovation Platform, International Rice Research Institute (IRRI), Bangladesh.
- 13 Nov 2017–14 Feb 2019 **Area Trialing Lead**
 Field Crop Seeds Development, Syngenta Bangladesh Limited, Bangladesh.
- 14 May 2016–12 Nov 2017 **Senior Research Trial Officer**
 Field Crop Seeds Development, Syngenta Bangladesh Limited, Bangladesh.
- 23 Sep 2012–8 Mar 2016 **Sector Specialist (Genetics and Plant Breeding)**
 Agriculture and Food Security Programme, BRAC, Bangladesh.

Trainings

- 10–24 May 2026 Satellite-Based Agricultural Analysis Using Google Earth Engine (GEE) [BARC]
 27 Apr–25 Jun 2025 Special Foundation Training Course [NAPD]
 26–30 May 2024 Experimental Methods in Forestry and Agroforestry [BARC]
 4–8 Feb 2024 Project Development and Management [BARC]
 10–21 Sep 2023 Financial Management [BPATC]
 1–14 Mar 2023 Research Methodology [BARC]
 16 Jun–2 Jul 2022 Forestry Research and Development in Bangladesh [BFRI]
 23–27 May 2022 Leadership and Research Management [IRRI]
 17–27 May 2021 Gender Responsive Plant Breeding [Makerere University and Cornell University]
 23–25 Nov 2020 Geospatial Analytics using R [IRRI]
 1–12 Sep 2019 Rice Grain Quality Analysis [BRRI]
 7–9 Aug 2019 Practical Statistics in Genstat for Biological Scientists [VSNi]
 10–21 Jun 2019 Rice Breeding [IRRI]
 11–15 Oct 2015 Scientific Writing [BRAC University]
 19 May–6 Jun 2014 Rice: Research to Production [IRRI]
 1 Nov–28 Dec 2011 An Advanced Course on Communicative English [BAU]

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, Journal of Experimental Biosciences. 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. International Journal of Business, Social and Scientific Research. 6(4):96-102.
- Islam MMU, **Saha PS**, Chakrobarty T, Saha NK, Islam MS and Salam MA, 2017. Genetic diversity of aromatic rice in Bangladesh. Research in Agriculture Livestock and Fisheries. 4(1):01-06.
- 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.
- **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.
- Robin AHK and **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.
- 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.

Awards

- 2026: CSSTEAP Excellence Award (1st Position), 29th PG Course in Remote Sensing and GIS.
- 2025: Director General Award (2nd Position), Special Foundation Training Course.
- 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.

Memberships

- Life Member, Indian Society of Remote Sensing (ISRS).
- 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. Subrata Nandy, Scientist-SF, Forestry and Ecology Department, Indian Institute of Remote Sensing (IIRS), 4 Kalidas Road, Dehradun, India. Cell: +91-9897348675; Email: nandy@iirs.gov.in.
- Dr. Md Golam Mahboob, Chief Scientific Officer, Forestry Unit, Natural Resources Management Division, Bangladesh Agricultural Research Council (BARC), Dhaka 1215, Bangladesh. Cell: +88-01816194986; Email: golam.mahboob@barc.gov.bd, golam.mahboob@gmail.com.
- Dr. Mohammad Rafiqul Islam, Senior Scientist, Rice Breeding Innovation Platform, International Rice Research Institute (IRRI), IRRI Bangladesh Office, House# 07, Road# 56, 4th & 5th Floor Gulshan-2, Dhaka 1212, Bangladesh. Cell: +88-01720654497, E-mail: mr.islam@irri.org.