BIO DATA
of
ARJU MIAH

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1	Name	:	**ARJU MIAH**
2	Father's name	:	Md. Abdus Samad
3	Mother's name	:	Rawshonara Begum
4	Spouse name	:	Mrs. Khorsheda Jahan
5	Gender	:	Male
6	Designation	:	Principal Scientific Officer
7	Institution	:	Bangladesh Jute Research Institute
8	Date of joining in the present position	:	14th January, 2022
9	Date of first joining in service	:	1st November 2004
10	Date of birth and age	:	1st July, 1979 and age 44 years 03 months 21 days (up to 22 October, 2023)

11. Educational Qualification

Degree/Diploma/ Certificate	Class/Grade/ Division	University/Institute/Board	Year
S.S.C.	First Division	Dhaka Board	1994

H.S.C.	First Division	Dhaka Board	1996
B. Sc. Ag (Hon's)	Second Class	Bangladesh Agricultural University, Mymensingh.	2001
MS (Biotechnology)	Grade 'A'	Bangladesh Agricultural University, Mymensingh.	2007
PhD	On going	Bangladesh Agricultural University, Mymensingh	-

12. Field of Specialization: Biotechnology and Genetic Engineering

13. Training:

(a) In Country:

Organization	Year	Duration		Name of programme
		Mos.	Days	
BRRI	2023	-	05	Theoreitical and practical session on advance biotechnology
BJRI	2017	-	02	Innovation in Public Services
BJRI	2017	-	03	Training of Trainers for the Dissemination. of Agril. Technology. on Jute
BARC	2011	-	05	Technical Report Writing and Editing
BARC	2010	-	06	Use of Manual for fertilizer Analysis
GTI	2008	-	13	Research Methodology
BIRTAN	2008	-	05	Trainer Training of Applied Nutrition
BARD	2005	04	-	Foundation Training Course for NARS Scientists
RDA	2005	-	07	Rural Development and Poverty Alleviation

BARC- Bangladesh Agricultural Research Council
GTI – Graduate Training Institute
BIRTAN- Bangladesh Institute of Research and Training on Applied Nutrition
BARD- Bangladesh Academy for Rural Development
RDA- Rural Development Academy
BJRI- Bangladesh Jute Research Institute
BRRI- Bangladesh Rice Research Institute

(b) Abroad: Not Applicable

Country	Year	Duration		Name of programme
		Mos.	Days	

14. Experience: About 18 years 11 months research experience.

Position	Period		
	From	**To**	**Total Yr./Mo**
SO	01-11-2004	28-03-2012	7 years 4 months 28 days
SSO (c.c.)	29-03-2012	29-06-2015	3 years 3 months 1 day
SSO	30-06-2015	13-01-2022	06 years 06 months 13 days
PSO	14-01-2022	Till date	01 year 09 months 09 days (Upto 22-10-2023)

15. Publication:

List of all publications are given in **Annexure-1**.

(a)	Scientific journals	No. of publication
	(i) Full paper (a) Paper Revised Reported International Journal Principal author Co-author (b) Other International & National Journal Principal Author Co-author	**37** Nil Nil **17** **20**
	(ii) Short Communication Principal Author Co-author	Nil
(b)	Books/Monographs/Bulletins	
	(i) Books Principal Author	Nil

	Co-author	
	(ii) Monographs Principal Author Co-author	Nil
	(iii) Bulletins Principal Author Co-author	Nil
(c)	Seminar/Workshop/Symposium Proceedings	
	(i) International Principal Author Co-author	Nil
	(ii) National Principal Author Co-author	Nil

16. Research achievements

(i) No. of technology Developed: 04 (List enclosed. **Annexure 2**)

(ii) No. of Research Programme: ----- 31 (List enclosed. **Annexure 3**)

(a) Developed: ----- 14

(b) Supervised: ----- 22

(c) Executed: ----- 31

17. Outstanding achievement

Please see **Annexure 4**

Signature:

Address:

(ARJU MIAH)
Principal Scientific Officer (PSO)
Cytogenetics Department
Genetic Resources and Seed Division
Bangladesh Jute Research Institute

Annexure 1

LIST OF SCIENTIFIC PUBLICATIONS:

Full scientific paper as principal author: 17

Full scientific paper as co author: 20

1. **Arju Miah,** Md. Kamrujjaman, Sayeeduzzaman, Md. Iqbal Hossain and SM. Mahruf Hossain. 2022. Preliminary yield trial for high yielding breeding lines of deshi jute (Corchorus capsularis L.) at different locations in Bangladesh. Bangladesh J. Environ. Sci. 43: 13-16.
2. **Arju Miah,** Md. Kamrujjaman, Sayeeduzzaman, Md. Iqbal Hossain and SM. Mahruf Hossain. 2022. Yield trials conducted at differentagro-ecological zones for selecting the best strains of deshi jute (Corchorus capsularis L.) in Bangladesh. Bangladesh J. Environ. Sci. 43: 21-24.
3. **Arju Miah,** Ni.har Ranjan Saha, AKM Shahadat Hossain, Md Younus Ali and Amit Kumar Basunia. 2020. Genetic Variability Assessment of Tossa Jute (*Corchorus olitorius* L.) Genotypes Using Morpho-Agronomic Traits. Intl J ACTA Scientific Agriculture. Vol. 4(7): 132-138
4. **Arju Miah,** Nihar Ranjan Saha, Amit Kumar Basunia, AKM Shahadat Hossain and Md Younus Ali. 2020. Advanced Yield Trial of Early Seeding, Higher Yield and Low Temperature Tolerant Breeding Lines of White Jute. Intl J ACTA Scientific Agriculture. Vol. 3(7): 167-172
5. **Arju Miah**, Nihar Ranjan Saha, Md. Jahangir Alam, Md. Younus Ali and Amit Kumar Basunia. 2020. Characterization of Deshi Jute (*Corchorus capsularis*) Germplasm Collected from Different Sources. Intl J ACTA Scientific Agriculture. Vol. 3(7): 173-180
6. **Arju Miah**, A. K. M. Shahadat Hossain, Nihar Ranjan Saha, Md. Younus Ali, Md. Jahangir Alam, Sayma Farabi. 2020. Determining Genetic Diversity of Deshi Jute (*Corchorus capsularis*) for the Improvement of Fibre Yield and Associated Traits. Intl J Sci Agric. Vol.4: 66-71
7. **Arju Miah**, A. K. M. Shahadat Hossain, Nihar Ranjan Saha, Md. Younus Ali, Md. Jahangir Alam, Md. Hasanuzzaman. 2020. An Anatomical Screening of White Jute Accessions for Fibre Content. Intl J Sci Agric.Vol. 4: 72-76
8. **Arju Miah,** A. K. M. Shahadat Hossain, Nihar Ranjan Saha, Md. S. M. Shahriar Parvej Md. Younus Ali, Sayma Farabi, Amit Kumar Basunia. 2020. Assessment of Genetic Variability in Different Kenaf (*Hibiscus cannabinus*) Germplasm Using Morpho-Agronomic Traits. Intl. J.Innov.Agric. Vol.3: 05-12
9. **A Miah**, NR Saha, MY Ali, M Kamrujjaman, MSMS Parvej. 2020. Assessment of Genetic Divergence of Deshi Jute (*Corchorus capsularis*) Germplasms by Using Phenotypic Characters. Progressive Agriculture Vol.31 (1): 10-18

10. A Miah, NR Saha, MZA Rafiq, MY Ali, M Hasanuzzaman. 2020. Performance Study on Yield and Yield Attributes of Seven White Jute Breeding Lines at Different Regions of Bangladesh. Progressive Agriculture Vol.31 (1): 19-25

11. A Miah, NR Saha, MY Ali, M Kamrujjaman, MSMS Parvej, S Farabi. 2020. Genetic Divergence Analysis of Deshi Jute (*Corchorus capsularis*) Based on Fibre Yield and Its Attributing Traits. Progressive Agriculture Vol.31 (1): 26-35

12. A. Miah, A. K. M. S. Hossain, M. N. H. Rony, M. S. Ahamed and M. Z. Tareq. 2020. Genetic Variability Assessment for Mesta (*Hibiscus Sabdariffa* L.) Germplasm by Morpho typic Characters. Bangladesh J. Environ. Sci., Vol. 38, 51-56

13. A. Miah, A. K. M. S. Hossain, M. N. H. Rony, I. J. Mumu and M. Z. Tareq. 2020. Assessment of Phenotypic Variation Among Kenaf (*Hibiscus cannabinus* L.) Genotypes by Morpho-Agronomic Traits. Bangladesh J. Environ. Sci., Vol. 38, 57-62

14. A. Miah. M.S.Rahman, M. Kamrujjaman, M. Al Mamun and S. M. A. Haque. 2015. Effect of Plant Population on Deshi Jute for Quality Seed Production. Int. J. Sustain Agril. Tech. 11(12): 17-19.

15. A. Miah, M. A. Z. Al Munsur, M. M. Islam, M. S. Rahman and M. Al- Mamun. 2008. Effect of Varieties and Growth Regulators on *In Vitro* Regeneration Potentiality of White Jute. Bangladesh J. Crop. Sci. 19 (1): 27-34.

16. A. Miah, K. M. Nasiruddin, M. S. Haque and M. A. Z. Al Munsur. 2008. Plant Regeneration from the Cotyledon with Attached Petiole of Six Varieties of White Jute. Mol. Biol. Biotechnol. J. 6 (1&2): 13-17.

17. A. Miah, M. A. Z. Al Munsur, M. A. Alam, N. Pervin and S. Ansary. 2009. *In Vitro* Regeneration of *Corchorus capsularis* from Hypocotyl Explants. Intl. J. Bio Res. 7 (4):25-34.

18. M. Kamrujjaman, **A. Miah**, M. Younus Ali, S. M. Shahriar Parvej and Muhammad Tanvir Rahman. 2020. Breeding Practices for Combining Yield and Yield Contributing Traits in White Jute (*Corchorus capsularis* L.) Genotypes. Int. J. Sustain. Agril. Tech. 16(6): 06-09

19. A. K. M. Shahadat Hossain, **A. Miah**, M. Kamrujjaman, M. Younus Ali and S. M. Shahriar Parvej. 2020. Genetic Stability of Selected Tossa Jute (*Corchorus olitorius* L.) Germplasms using Agro-Morphological Traits. Int. J. Sustain. Agril. Tech. 16(6): 10-12

20. M. Kamrujjaman, **A. Miah**, M. Younus Ali, S. M. Shahriar Parvej and Muhammad Tanvir Rahman. 2020. Evaluation of Selected Kenaf (*Hibiscus cannabinus* L.) Germplasms using Agro-Morphological Traits. Int. J. Sustain. Agril. Tech. 16(4): 21-24

21. A. K. M. S. Hossain, **A. Miah**, M. Kamrujjaman, S. M. S. Parvej and A. Iqbal. 2020. Evaluation of Selected Deshi Jute (*Corchorus capsularis* L.) Germplasms using Morpho-Agronomic Traits. Bangladesh J. Environ. Sci., Vol. 38, 74-77

22. M. Al-Mamun, C. K. Saha, M. G. Mostofa, **A. Miah** and M. Z. Hossain. 2017. Identification of Suitable Varieties for Seed Production of Jute in Non-Traditional Areas of Bangladesh. Bangladesh J. Pl. Breed. Genet., 30(1): 33-37

23. S. M. A. Haque, M.S.Rahman, **A. Miah**, M. Shahadat Hossain and M. Kamrujjaman. 2015. Status of Quality and Health of O -9897 Jute Variety in Bangladesh. Int. J. Sustain. Agril. Tech. 11(12): 17-19.

24. M. S. Rahman, **A. Miah**, S. C. Sarkar and M. Kamrujjaman. 2015. Evaluation of Management Practices of Jute Cultivation. Int. J. Sustain. Agril. Tech. 11 (12): 26-28.

25. M. S. Rahman, **A. Miah**, S.C. Sarkar and M. Kamrujjaman. 2015. Effect of Time of Sowing on Jute Seed Quality in Late Season. Int. J. Sustain. Agril. Tech. 1(1): 20-22.

26. N. Pervin, G. K. M. N. Haque, **A. Miah**, M. Shahadat Hossain and M. J. Alam. 2011. *In Vitro* Regeneration of Six Jute Genotypes in Bangladesh. Int. J. Sustain. Agril. Tech. 7 (11): 01-06.

27. A. S. M. Yahiya, M. M. Islam, **A. Miah**, A. K. Mollah and Md. Asaduzzaman. 2009. Influence of Pluronic F-68 on Plant Regeneration from the Explants of Tossa Jute (*Corchorus olitorius*). Int. J. Sustain. Agril. Tech. 5 (5): 18-23.

28. A. S. M. Yahiyoa, **A. Miah**, M. M. Rahman, M. M. Islam and M. Kamrujjaman. 2009. Genetic Transformation in Tossa Jute Through *Agrobacterium* Vectors. Int. J. Sustain. Agril. Tech. 5 (8): 1-6.

29. A. S. M. Yahiya, M. Al-Mamun, **A. Miah**, M.S.H. Bhuiyanand M.M. Rahman, 2012. Effect of Concentration of BAP and Varieties on *In Vitro* Shoot Regeneration in Tossa Jute (*Corchorus olitorius L.)* Intl. J. Biores. 7 (5): 79-83.

30. M. Al-Mamun, R. Khatum, M. M. Rahman, A. S. M. Yahiya and **A. Miah**. 2009. Variability and Correlation between Seed Yield and Its Component in White Jute (*Corchorus capsularis L.*). Int. J. Sustain. Agril. Tech. 5 (6): 14-16.

31. M. M. Islam, M. M. Rahman, A. S. M. Yahiya, **A. Miah** and M. Al. Mamun. 2010. Performance of Some Indigenous Germplasms of Tossa Jute (*Corchorus olitorius*). J. Sher-e-Bangla Agric. Univ. 4 (1): 18-23.

32. S. Ansary, **A. Miah**, M. A. Z. Al Munsur, A. S. N. Yahia and M. S. H. Bhuiyan. 2009. Evaluation of M4 Mutants of Tossa Jute Based on Important Morphological Features and Fibre Yield Attributes. Intl. J. BioRes.7 (4):43-51.

33. S. Rahman, M. A. Ali, B. Karmakar, M. S. Alam, **A. Miah** and B. Meah. 2010. Evaluation of Wheat Genotypes for the Performance of Germination Against Seed Borne Fungi. Intl. J. Bio. Res. 8 (1): 53-58.

34. M. A. Alam, H. Q. M. Mosaddeque, M. S. Islam, **A. Miah** and F. M. Mohiuddin. 2009. Farmers Characteristics Associated with the Participation on Crop Development Activities in Nine Villages of Mymensingh District. Eco- friendly Agril. J. 2 (7):666-670.

35. M. A. Alam, S. Nur, H. Q. M. Mosaddeque, M. S. Hossain and **A. Miah.** 2009. Effect of Gibberellic Acid (GA3) and Mode of Application on Physiology and Yield of Onion. Eco- friendly Agril. J. 2 (8):717-727.

36. M. S. H Bhuiyan, Izaz Ahamed, M Kamrujjaman, M Younus Ali and **A. Miah**. 2009. Effect of Moisture and Container on Germination Storability of Ridge Gourd Seed. Int. J. Sustain. Agril. Tech. 5(7):1-5.

37. N. N. Nur, M. H. Ali, S. M. Rahmatullah, M. H. Rashid, **A. Miah** and A.C. Barman. 2008. Growth Performance of *Spirulina Platensis* in Different Concentration of Fertilizer Factory Effluents. Intl. J. Bio. Res. 4 (5): 43-47.

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Annexure 2

Technology developed

- Developed a in vitro plant regeneration protocol for white jute "Optimization of plant regeneration system from the explants of white jute (*Corchorus capsularis.* L.)". 2022
- Developed a in vitro plant regeneration protocol for tossa jute "Optimization of in vitro plant regeneration protocol from the explants of tossa jute (*Corchorus olitorius.* L.) to establish into the field soil". 2022
- Developed the technology of "Screening of white jute (*Corchorus capsularis* L.) germplasm for salinity tolerance based on phenotypic traits in association with molecular analyses". 2018
- Involved with the development of some BJRI jute, kenaf and mesta varieties those are given below-

- BJRI deshi pat-7, 2008
- BJRI deshi pat-8, 2013
- BJRI tossa pat-5 (Lal tossa), 2008
- BJRI kenaf-3 (Bot kenaf), 2010
- BJRI mesta-2 (Vegetable mesta), 2010

Annexure 3

Research Programme

A. List of research programmes developed, supervised and executed

Developed programmes

Serial No.	Title of the Programme	Implement ation year	Remarks
1.	Study on yield gap of jute seed in different region of Bangladesh	2005-06	Satisfactory
2.	Inter cropping dhaincha in jute crop as green manure and its subsequent effect on T. Aman	2005-06	Satisfactory
3.	Effect of seedling age and planting spacing on the yield and quality of *olitorius* jute seed in late season	2005-08	Satisfactory
4.	Effect of weed management techniques and row spacing on seed yield of transplanted jute seed crop in late season.	2005-06	Satisfactory
5.	Effect of plant population on deshi jute for quality seed production.	2010-13	Satisfactory
6.	Effect of growth hormone (GA_3) on seed production of kenaf by top cutting methods.	2010-13	Satisfactory
7.	*Agrobacterium* mediated genetic transformation of white jute	2017-18	Satisfactory
8.	Screening of white jute germplasm for salinity tolerance	2019-20	Satisfactory

	based on morphological traits at seedling stage using hydroponic system		
9.	Evaluation of salt tolerant white jute germplasm based of morpho-physiochemical traits using pot culture	2020-21	Satisfactory
10.	Root system architecture of salt tolerant white jute germplasm through in vitro culture	2021-22	Satisfactory
11.	Molecular identification of salt tolerant CcCDPK genes in white jute germplasm against salinity	2022-23	Satisfactory
12.	Determination of Expression level of salt tolerant CcCDPK genes through qRT using specific primers		Satisfactory
13.	Optimization of plant regeneration system from the explants of white jute (*Corchorus capsularis.* L.)	2021-22	Satisfactory
14.	Optimization of in vitro plant regeneration protocol from the explants of tossa jute (*Corchorus olitorius.* L.) to establish into the field soil	2021-22	Satisfactory

Supervised programmes

Serial No.	Title of the Programme	Implement ation year	Remarks
1.	Study on yield gap of jute seed in different region of Bangladesh	2006-07	Satisfactory
2.	Inter cropping dhaincha in jute crop as green manure and its subsequent effect on T. Aman	2006-07	Satisfactory
3.	Effect of seedling age and planting spacing on the yield and quality of *olitorius* jute seed in late season	2006-09	Satisfactory
4.	Effect of weed management techniques and row spacing on seed yield of transplanted jute seed crop in late season.	2006-07	Satisfactory
5.	Effect of plant population on deshi jute for quality seed production.	2011-14	Satisfactory
6.	Effect of growth hormone (GA_3) on seed production of kenaf by top cutting methods.	2011-14	Satisfactory
7.	On farm yield trial of advanced line of white jute.	2014-15	Satisfactory
8.	Preliminary yield trial of high yielding white jute strains.	2014-15	Satisfactory
9.	Advanced yield trial of early seeding higher yield and low temperature tolerant breeding lines of white jute.	2014-15	Satisfactory
10.	Zonal yield trial of high yielding breeding lines of white jute	2014-15	Satisfactory
11.	Evaluation of some advanced lines of white jute for salinity tolerance	2014-15	Satisfactory
12.	Evaluation of advanced lines of white jute for higher yield.	2014-15	Satisfactory
13.	Screening of white jute accessions through anatomical studies for higher fibre content.	2014-15	Satisfactory
14.	Characterization of deshi jute (*Corchorus capsularis*) germplasm collected from different sources	2015-18	Satisfactory
15.	Characterization of tossa jute (*Corchorus olitorius*) germplasm collected from different sources	2015-18	Satisfactory
16.	Characterization of kenaf (*Hibiscus cannabinus*)	2015-18	Satisfactory

	germplasm collected from different sources		
17.	Characterization of mesta (*Hibiscus sabdariffa*) germplasm collected from different sources	2015-18	Satisfactory
18.	Evaluation of some selected deshi jute (*Corchorus capsularis*) germplasm collected from different sources	2015-18	Satisfactory
19.	Evaluation of some selected tossa jute (*Corchorus olitorius*) germplasm collected from different sources	2015-18	Satisfactory
20.	Evaluation of some selected kenaf *(Hibiscus cannabinus*) germplasm collected from different sources	2015-18	Satisfactory
21.	*Agrobacterium* mediated genetic transformation of white jute	2017-18	Satisfactory

Executed Programmes

Serial No.	Title of the Programme	Implementation year	Remarks
1.	Study on yield gap of jute seed in different region of Bangladesh	2006-07	Satisfactory
2.	Inter cropping dhaincha in jute crop as green manure and its subsequent effect on T. Aman	2006-07	Satisfactory
3.	Effect of seedling age and planting spacing on the yield and quality of *olitorius* jute seed in late season	2006-09	Satisfactory
4.	Effect of weed management techniques and row spacing on seed yield of transplanted jute seed crop in late season.	2006-07	Satisfactory
5.	Effect of plant population on deshi jute for quality seed production.	2011-14	Satisfactory
6.	Effect of growth hormone (GA_3) on seed production of kenaf by top cutting methods.	2011-14	Satisfactory
7.	Effect of time of harvest of jute seed at maturity stage on seed yield	2012-13	Satisfactory
8.	On farm yield trial of advanced line of white jute.	2014-15	Satisfactory
9.	Preliminary yield trial of high yielding white jute strains.	2014-15	Satisfactory
10.	Advanced yield trial of early seeding higher yield and low temperature tolerant breeding lines of white jute.	2014-15	Satisfactory
11.	Zonal yield trial of high yielding breeding lines of white jute	2014-15	Satisfactory
12.	Evaluation of some advanced lines of white jute for salinity tolerance	2014-15	Satisfactory
13.	Evaluation of advanced lines of white jute for higher yield.	2014-15	Satisfactory
14.	Screening of white jute accessions through anatomical studies for higher fibre content.	2014-15	Satisfactory
15.	Characterization of deshi jute (*Corchorus capsularis)* germplasm collected from different sources	2015-18	Satisfactory
16.	Characterization of tossa jute (*Corchorus olitorius*) germplasm collected from different sources	2015-18	Satisfactory
17.	Characterization of kenaf (*Hibiscus cannabinus*) germplasm collected from different sources	2015-18	Satisfactory
18.	Characterization of mesta(*Hibiscus sabdariffa*) germplasm collected from different sources	2015-18	Satisfactory

19.	Evaluation of some selected deshi jute (*Corchorus capsularis*) germplasm collected from different sources	2015-18	Satisfactory
20.	Evaluation of some selected tossa jute (*Corchorus olitorius*) germplasm collected from different sources	2015-18	Satisfactory
21.	Evaluation of some selected kenaf (*Hibiscus cannabinus*) germplasm collected from different sources	2015-18	Satisfactory
22.	*Agrobacterium* mediated genetic transformation of white jute	2017-18	Satisfactory
23.	Screening of white jute germplasm for salinity tolerance based on morphological traits at seedling stage using hydroponic system	2019-20	Satisfactory
24.	Evaluation of salt tolerant white jute germplasm based of morpho-physiochemical traits using pot culture	2020-21	Satisfactory
25.	Root system architecture of salt tolerant white jute germplasm through in vitro culture	2021-22	Satisfactory
26.	Molecular identification of salt tolerant CcCDPK genes in white jute germplasm against salinity	2022-23	Satisfactory
27.	Determination of Expression level of salt tolerant CcCDPK genes through qRT using specific primers		Satisfactory
28.	Optimization of in vitro plant regeneration protocol from the explants of tossa jute (*Corchorus olitorius.* L.) to establish into the field soil	2021-22	Satisfactory
29.	Molecular characterization of jute, kenaf and mesta germplasm through DNA fingerprinting using SSR marker	2017-23	Satisfactory
30.	Mutagentc effects of EMS on morpho-physiological traits of deshi jute	2023-24	Satisfactory
31.	In vitro regeneration of kenaf through pollen culture for creating haploid (F1) plants	2023-25	Satisfactory

B. While working on farms outside the head office, I have supervised the own experiments of the farm management unit and the various field experiments of jute, kenaf and mesta crops of different divisions of BJRI set up on those farms. As officer In-charge, I have successfully managed the administrative and financial management of Jute Seed Production and Research Center under BJRI. Besides, I have participated as trainers in the training of officers, employees and jute growers on jute, kenaf and mesta crop fiber and seed production and development techniques organized by BJRI. While working on the farm, I also participated in various policy-making discussions at that upazila and district level as a representative of BJRI.

(ARJU MIAH)
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Cytogenetics Department
Genetic Resources & Seed Division

Annexure 4

Outstanding achievement:

1	**MS Scholarship Awarded by BJRI. (January 2006 – July 2007)** **Title of the MS Thesis:** Optimization of Plant Regeneration System from the Explants of White Jute (*Corchorus capsularis. L.*)
2	Awarded In-Country PhD Scholarship of NATP-2, BARC. **(April 2018 – October 2021)** **Title of the PhD Dissertation:** Screening of white jute (Corchorus capsularis L.) germplasm for salinity tolerant based on phenotypic traits in association with molecular analyses
3	Worked as a scientist to develop new promising variety of jute, kenaf and mesta.
4	Worked as a scientist to invent and develop some technologies and protocol which may use to molecular research on jute and allied fibre crops.
5	Worked as a scientist to improve seed and fibre production of jute, kenaf and mesta
6	Participated to different survey and monitoring team as a team member.
7	Experience in Computer literacy- MS Office, Different Data Analysis software's, Software Installation, Photoshop etc.
8	Participated as a trainer for improve the knowledge of the farmers to increase jute and allied fibre crop production.
9	Participated as a trainer in different training programmes arranged by BJRI on jute, kenaf and mesta fibre and seed production technology for farmers at different regional and sub stations of BJRI.
10	Member of Bangladesh Biotechnology Association, Krishibid Institution of Bangladesh, BJRI Scientist Society

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