

## PDS (Personal Data Sheet) Format

1. Name : Jannatul Ferdush
2. Father's name : Shahid Ullah
3. Mother's name : Roshownara Begum
4. Spouse name : Md. Meftahul Karim
5. Gender : Female
6. Date of joining in present position : 05.03.2023
7. Designation (In present) : Senior Scientific Officer (SSO)
8. Present Address : Jute Farming Systems Division, BJRI, Dhaka-1207
9. Permanent Address : Vill.- East Dandabor, Holding No. 2476, Road No.02, Post.- Savar Cantonment, Asulia, Savar, Dhaka
10. Date of birth : 1<sup>st</sup> January, 1990
11. Age (as on 01-01-2023) : 33 years
12. Education Qualification :

Degree/Diploma/ Certificate	Board/University	Year of Passing	Division/Class/ Grade
Doctor of Philosophy (Ph.D)	Ehime University, Japan	Ongoing	-
MS (Agroforestry & Environment)	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2014	GPA 3.57 out of 4.00
BS(Ag)	Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur	2012	GPA 3.80 out of 4.00
H. S. C	Cumilla	2007	GPA 4.60 out of 5.00
S. S. C	Cumilla	2005	GPA 5.00 out of 5.00

11. **Field of Specialization:** Soil Science (Water and Soil Microbiology and Jute Retting)

12. **Training**

(a) **In Country**

Sl. No.	Organization	Year	Duration		Name of Program
			Months	Days	
1.	BJRI	2017	-	3	Orientation-Cum-Administrative and Financial Management
2.	NATA	2017	-	4	Good Governance
3.	BJRI	2017	-	3	Procurement of goods, works and services
4.	BARC	2018	-	3	Forestry and Agroforestry Technologies for Professionals

5.	BIRTAN	2018	-	5	Food Based Nutrition
6.	BJRI	2018	-	3	Technical Report Writing and Editing
7.	BJRI	2018	-	3	Development Communication in Agriculture
8.	BJRI	2018	-	3	Agricultural Project Management
9.	BJRI	2018	-	3	Data Analysis by Micro-computer
10.	BJRI	2018	-	3	Research Methodology
11.	NATA	2018	-	5	Disaster Management in Agriculture
12.	BARC	2019	-	3	Solar Pump Irrigation System
13.	BJRI	2019	-	1	জাতীয় শুদ্ধাচার কৌশল বাস্তবায়ন
14.	BJRI	2019	-	1	Jute Industrial Product Research & Development
15.	BJRI	2019	-	1	Jute Textile Product Research & Development
16.	NATA	2019	-	10	Advanced ICT
17.	BJRI	2019	-	1	জাতীয় শুদ্ধাচার কৌশল বাস্তবায়ন
18.	GTI	2020	-	14	Research Methodology
19.	BJRI	2021	-	1	অভিযোগ গ্রহণ ও নিষ্পত্তিকরণ
20.	BJRI	2021	-	1	আয়কর রিটার্ন দাখিল

**(b) In Abroad: Nil**

<b>13. Experience</b>			
<b>Position</b>	<b>Period</b>		
	<b>From</b>	<b>To</b>	<b>Total (Years/Months)</b>
Scientific Officer (SO)	19-01-2017	04-12-2022	5 years 10 months 15 days
Senior Scientific Officer (SSO)	05-03-2023	Present	

**14. Publication**

(A) a) Full scientific paper as principal author, b) Full scientific paper as Co-author

(B) Popular Article/Monograph/Bulletin

(C) List of seminar Papers/Workshop Proceedings (Presented/Published)

(a)	<b>Scientific Journal</b>	<b>No. of publication</b>
	(i) Full paper	14
	(a) Paper Published in the Reputed International Journal	
	Principal author	-
	Co-author	1
	(b) Other International & National Journal	
	Principal Author	3
	Co-author	10

	(ii) Short Communication Principal author Co-author	0
(b)	Books/Monographs/Bulletins	
	(i) Books Principal author Co-author	3 0 3
	(ii) Monographs Principal author Co-author	0
	(iii) Bulletins Principal author Co-author	0
(c)	Seminar/Workshop/Symposium Proceedings (i) International/National Principal author Co-author	

#### **A. Paper Published in the Reputed International Journal (4)**

##### **i) As a Principle author (1)**

##### **ii) As a co-author (3)**

1. M.A.R.Dayan, M.M.Rahman, **J.Ferdush**, M.A.Kayas and M.M.Uddin.2022. Effect of Harvesting Time on the Fiber Yield and Characterization of Jute Fiber. Journal of Natural Fibers, DOI: 10.1080/15440478.2022.2060405.
2. I.J. Nur , B. Kundu , M.A.H. Chowdhury, M.M. Mukul, **J. Ferdush** and M.A. Khan. 2021. Weed Management of Kenaf (*Hibiscus cannabinus*) through Intercropping Leafy Vegetables and Cultural Practices. SAARC J. Agric.19 (1):165-176. DOI: <https://doi.org/10.3329/sja.v19i1.54787>
3. M. M. Mia, N. Akter , M. G. Mostofa , M. S. Rahman , M. Al-E. Hossain , D. C. Roy , S. A. Jui , M. M. Karim , **J. Ferdush**, M. M. Hoque & M. A. F. Mollah.2020. Analyses of variability, euclidean clustering and principal components for genetic diversity of eight Tossa Jute (*Corchorus olitorius* L.) genotypes. Plant Science Today. 7(4): 564–576. doi.org/10.14719/pst.2020.7.4.854
4. **J. Ferdush**, M. M. Karim , R. M. Himel , S. R. Saha and T. Ahamed.2018. Impact of Alley Cropping on Wheat Productivity. International Journal of Agriculture and Veterinary Science. 11(2):17-25. DOI: 10.9790/2380-1102011725

#### **B. Paper Published in other International Journals (9)**

##### **i) As a Principle author (1)**

##### **ii) As a co-author (8)**

5. M. M. Karim, **J. Ferdush**, B. Kundu, M. Zakaria.2021. Performance of Black Cumin (BARI KALOJEERA-1) at Zero Irrigation Condition. J. Expt. Biosci. 12(2): 47-52
6. S. M. A. Haque, M. Kamrujjaman, M.T. Rahman , F. U. Talukder and **J. Ferdush**.2020. Interaction Effect Among The Disease Managements, Seed Treatments and Locations in CVL-1 Variety on

Disease Incidence, Seed Yield, Stick Yield and Fibre Yield Following Line Sowing Method in the Field. *Int. J. Sustain. Agril. Tech.* 16(5): 20-26

7. S. M. A. Haque, M. Kamrujjaman, F. U. Talukder, **J. Ferdush** and M. T. Rahman. 2020. BCR For Seed and Fibre Production with Seed and Cutting Treatment at Different Sowing Methods at JAES AND KRS, BJRI in CVL-1 Variety. *Int. J. Sustain. Agril. Tech.* 16(3): 21-26
8. S. A. Jui , M. M. R. Rajib , M. M. Hossain , S. R. Mallik, I. J. Nur , **J. Ferdush**, 2020. In vitro callus induction of gerbera from leaf explant. *International Journal of Advanced Geosciences.* 8 (1):1-4
9. M. M. Karim , M. A. Alim and **J. Ferdush**. 2020. Zinc as a Micronutrient .It's Foliar and Soil Application Effect on Seed Yield and Quality of Jute Seed. *J. BIOL. ENVIRON. SCI.* 14(42): 127-135
10. Md. M. Karim , M. L. Rahman , **J. Ferdush** , M. Z. Tareq , M. M. Mia, M. T. Sultan and R. M. Himel. 2020. Yield, quality and cost of jute (*Corchorus* species) seed production as influenced by herbicide application time .*International Journal of Advanced Geosciences.* 8 (2) 153-159.
11. Md. M. Karim , **J. Ferdush** , A. Sultana , I. J. Nur and S. C. Saha. 2019. Yield Performance of Hybrid and Conventional Modern Varieties of Winter Rice in Northern Region of Bangladesh. *Journal of Experimental Bioscience.* 10(2):35-40
12. **J. Ferdush**, M. M. Karim, I. J. Noor, S. A. Jui , T. Ahamed , S. R. Saha. 2019. Impact of alley cropping system on soil fertility. *International Journal of Advanced Geosciences.* 7(2):173-178
13. Karim M., R.M. Himel , **J. Ferdush** , M. Zakaria. 2017. Effect of Irrigation Levels on Yield Performance of Black Cumin. *International Journal of Environment, Agriculture and Biotechnology.* 2(2):960-966
14. **J. Ferdush**, M. Younus, A. R. Dayan. 2022. Improvement of secondary and tertiary retting for jute in stagnant condition. *J. Expt. Biosci.* 13(2): 25-30

## B. Books/ Monographs/ Bulletins

Items	Number
<b>i. Books</b> - BJRI Annual Research Programme 2018 - BJRI Annual Research Report 2018 - Research Highlights 2018	
<b>ii. Leaflet</b> Principal Author Co-author	
<b>iii. Booklet</b> Principal Author Co-author	
<b>iv. Bulletins/Report</b>	
<b>iv. Monographs</b> Principal Author, Co-author	

## C. Seminar/ Workshop/ Symposium Proceedings

Items	Number
-------	--------

<b>i. National Seminar/Workshop</b> Principal Author Co-author	
<b>ii. International Workshop/ Seminar</b> Principal Author Co-author	

## 15. Research achievements (SO to SSO)

### Program Developed

Sl. No.	Title	Year(Page No.) of Annual Research Program
1.	Isolation of microbes from various natural sources and study of their retting properties	2017(107-108), 2018(101)
2.	Studies on retting and fibre properties of different pipeline or pre-released varieties of jute and allied fibre	2017(108), 2018(102),219(113)
3.	Retting behavior and fibre properties of different advanced breeding lines of jute	2020(136-137)
4.	Retting and fibre properties of advanced breeding lines of Kenaf	2020(137-138)
5.	Collection of retting effluents from different jute growing districts and study of their retting properties	2017(108-109),2018(102-103)
6.	Up-gradation of Summary Mill Rejection (SMR) fibre	2017(109-110), 2018(103)
7.	Improvement of retting water for secondary and tertiary retting in stagnant condition.	2017(110-111), 2018(103-104), 2020(138-139)
8.	Up-gradation of jute auto power ribboner and determination of its decortications efficiency	2017(111), 2018(104-105)
9.	Impact of optimum field duration of jute crop in ribbon retting in respect of its technical and economic viability	2017( 112), 2018(105)
10.	Investigation of jute retting microbes in saline area and study of their retting efficacy for obtaining better jute fibre	2017(112-113), 2018(108)
11.	Validation and further improvement of jute retting technologies at farm level	2017(113), 2018(109)
12.	Development of inoculum's package for acceleration jute retting	2018(105-106)
13.	Identification of prospective retting microbes from natural sources. Annual Programme-	2019(112-113)
14.	Effect of harvesting time and regions on the physico-mechanical properties of of BJRI developed different varieties of jute fibre (BJRI Annual Research Programme)	Technical Wing 2018-19(14)
15.	Study the properties of jute retting effluent in different AEZ of Bangladesh	2019(113-114)
16.	Influence of Harvesting Time on the Physio-mechanical Properties of Jute	2019(116-117)
17.	Isolation and Identification of jute retting bacterial stains from different natural source and study of their retting properties	2020(135-136)

18.	Influence of harvesting age on the physical properties of jute	2020(140)
-----	--	-----------

**Program Supervised**

Sl. No.	Title	Year(Page No.) of Annual Research Report
1.	Collection, isolation and properties analysis of microbes from various natural sources	2017(169-170), 2018(167-168)
2.	Studies on retting and fibre properties of different pipeline or pre-released varieties of jute	2017(170-171), 2018(168-169)
3.	Collection of retting effluents from different jute growing districts and study of their retting Properties	2017(172-174), 2018(169-170)
4.	Up-gradation of jute auto power ribboner and determination of its decortications efficiency	2017(175-177)
5.	Improvement of secondary and tertiary retting water in stagnant condition	2018(171-174)
6.	Study of the decortications efficiency of Power operated Jute Ribboner	2018(175-176)
7.	Investigation of jute retting microbes in saline area and study of their retting efficacy for obtaining better jute fiber	2018 (176-177)
8.	Isolation of microbes from various natural sources and study of their retting properties	2019 (172-173)
9.	Retting behavior and fibre properties of different pre-released varieties of jute	2019(174-175)
10.	Study of the retting properties of jute retting effluent of different regional and sub-station of BJRI	2019 (176-179)
11.	Influence of harvesting time on the physical properties of jute	2019 (180-186)

**Program Executed**

Sl. No.	Title	Year(Page No.) of Annual Research Report
1.	Collection, isolation and properties analysis of microbes from various natural sources	2017(169-170), 2018(167-168)
2.	Studies on retting and fibre properties of different pipeline or pre-released varieties of jute	2017(170-171), 2018(168-169)
3.	Collection of retting effluents from different jute growing districts and study of their retting Properties	2017(172-174), 2018(169-170)
4.	Up-gradation of jute auto power ribboner and determination of its decortications efficiency	2017(175-177)
5.	Improvement of secondary and tertiary retting water in stagnant condition	2018(171-174)
6.	Study of the decortications efficiency of Power operated Jute Ribboner	2018(175-176)
7.	Investigation of jute retting microbes in saline area and study of their retting efficacy for obtaining better jute fiber	2018 (176-177)
8.	Isolation of microbes from various natural sources and study of their retting properties	2019 (172-173)
9.	Retting behavior and fibre properties of different pre-	2019(174-175)

	released varieties of jute	
10.	Study of the retting properties of jute retting effluent of different regional and sub-station of BJRI	2019 (176-179)
11.	Influence of harvesting time on the physical properties of jute	2019 (180-186)

Jannatul Ferdush  
SSO  
Jute Farming Systems Division

---

**Signature With date and  
Address**

---

**Mobile: 01720843267**