PDS (Personal Data Sheet)

1. Name : **Kbd. Dr. Mohammad Shahadat Hossain**
2. Father's name : Mohammad Abdul Karim
3. Mother's name : Mst. Shamsun Nahar
4. Husband's name (if applicable): Not applicable
5. Gender : Male
6. Present Address : F-33/9 Johuri Moholla, Babar Road, Mohammadpur, Dhaka-1207
7. Permanent Address : Vill.: Hamidpur, PO: Nandina, Upazilla & District: Jamalpur
8. Date of birth : 02-03-1975
9. Age (01.01.2023) : 47 years 10 months 0 day
10. Educational Qualification :

Degree/Diploma Certificate	Board/University	Year of passing	Class/Grade/ Division
PhD in Agronomy	BAU*	2022	Awarded
M.S. in Agronomy	BAU*	June 2002	Upper Second (B^+)
B. Sc. Ag.	BAU*.	1996 (Held in 2000)	Second
H.S.C.	Dhaka	1992	First
S.S.C.	Dhaka	1990	Second

* BAU=Bangladesh Agricultural University, Mymensingh

11. Field of Specialization: Agronomy (Improvement of Cultural Practices/Weed Management)

12. Training: Successfully completed training:

(a) In Country:

Sl. No.	Organization	Year	Duration		Name of programme
			Mos.	Days	
1.	Bangladesh Jute Research Institute, Dhaka	2022	0	01	Training on Seba Prodaan Protichruti (সেবা প্রদান প্রতিশ্রুতি)
2.	Bangladesh Jute Research Institute, Dhaka	2022	0	01	Training on E-Governance O Udvabon Kormoporikolpona Bastobayon (ই-গভর্নেন্স ও উদ্ভাবন কর্মপরিকল্পনা বাস্তবায়ন)
3.	Bangladesh Jute Research Institute, Dhaka	2022	0	01	Training on Office Management and Skill Development (অফিস ব্যবস্থাপনা ও দক্ষতার উন্নয়ন)
4.	Bangladesh Jute Research Institute, Dhaka	2022	0	02	E-Nothi Affairs Training (ই-নথি বিষয়ক প্রশিক্ষণ)
5.	National Agriculture Training Academy (NATA)	2022	0	05	Training Course on Rules and Regulations for Organizational Management
6.	Bangladesh Jute Research Institute, Dhaka	2017	0	02	Training Workshop on Innovation in Public Service for Development in Agriculture

7.	Bangladesh Jute Research Institute, Dhaka	2017	0	03	Training of Trainers for the Dissemination of Agricultural Technologies on Jute
8.	National Bangladesh Agricultural Extension Network (BAEN) & Agricultural Extension in South Asia (aesa)	2016	0	02	National Workshop on Capacity Needs Assessment of Extension and Advisory Service (EAS)
9.	National Agriculture Training Academy (NATA)	2015	0	04	Training Course on e-Agriculture
10.	Bangladesh Academy for Rural Development, Cumilla.	2014	0	12	Training Course on Administrative and Financial Management
11.	Bangladesh Agricultural Research Council, Dhaka	2014	0	03	Fertilizer Recommendation Guide-2012
12.	Bangladesh Agricultural Research Council, Dhaka	2013	0	02	Agroforestry Technology
13.	Bangladesh Agricultural Research Institute, Gazipur	2012	0	06	On-Farm Research Methodology
14.	Bangladesh Agricultural Research Institute, Gazipur	2012	0	05	Crop production technologies under environ- mental stress condition for NARS scientist
15.	Bangladesh Agricultural Research Council, Dhaka	2012	0	05	Technical Report Writing and Editing
16.	Bangladesh Agricultural Research Council, Dhaka	2011	0	04	Use of Fertilizer Inspection Manual
17.	Bangladesh Agricultural Research Council, Dhaka	2011	0	10	Introduction to Desktop GIS
18.	Bangladesh Computer Council, Dhaka	2009	0	18	Introduction to Office Application. Basic of computer operating system
19.	Bangladesh Agricultural Research Council, Dhaka	2009	0	04	Use of manual for fertilizer analysis
20.	Graduate Training Institute (GTI), BAU, Mymensingh	2008	0	13	Research Methodology
21.	Jute Agriculture Experimental Station, Manikganj	2008	0	02	Modern jute and kenaf seed production and storage technology
22.	Sher-e-Bangla Agricultural University Dhaka – 1207	2005/06	3	0	Post-Graduate Certificate Course on Seed Technology
23.	Bangladesh Academy for Rural Development, Cumilla	2005	4	0	Foundation Training Course for NARS Scientists (Batch-12)
24.	Roral Development Academy (RDA), Bogra	2005	0	06	Rural Development and Poverty Alleviation

25.	Graduate Training Institute (GTI), BAU, Mymensingh	2002	0	16	Training of Trainers (TOT)
26.	Graduate Training Institute (GTI), BAU, Mymensingh	2002	0	15	Administration, Office Management and Communication
27.	Graduate Training Institute (GTI), BAU, Mymensingh	2000	0	13	Computer Operating System and MS Word

(b) In abroad: Before Service

Organization	**Year**	**Duration**		**Name of program**
		Mos.	**Days**	
1. Bharat Scouts & Guides, West Bengal, India	1999	-	08	Training on Scout Master Advanced Course

13. Experience: About 18 years 02 months research experience

Position	**Period**		
	From	**To**	**Total Yr./Mo**
SO, Agronomy Division, BJRI	01-11-2004	28-03-2012	7 years 4 months 28 days
SSO (cc), Agronomy Division, BJRI	29-03-2012	12-08-2020	3 years 3 months 1 day
SSO, Agronomy Division, BJRI	30-06-2015	12-08-2020	5 years 1 month 13 days
PSO, JFS Division, BJRI	13-08-2020	01-01-2023	2 years 04 months 18 days

14. Publication:

List of all publications are given in **Annexure -1**
(List of all publications, Photocopies of journal publications, Photocopies of first page of other publications are attached).

(a)	**Scientific journal**	**No. of publication**
	(i) **Full paper**	**40**
	(a) Paper Published in the Reported International Journal	
	Principal author	**01**
	Co-author	**01**
	(b) Other International & National Journal	
	Principal Author	**09**
	Co-author	**29**
	(ii) Short Communication	Nil
	Principal Author	
	Co-author	
(b)	Books/Monographs/Bulletins	
	(i) Books	Nil
	Principal Author	
	Co-author	
	(ii) Monographs	Nil
	Principal Author	
	Co-author	
	(iii) Bulletins	**01**
	Principal Author	0
	Co-author	**01**

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

15. Research achievements (as PSO/SSO/SO) (list duly endorsed by the Head of Division and Director (Agriculture).

(i) No. of technology Developed: ----- 16 **(Annexure - 2)**
(ii) No. of Research Programme: ----- 32 **(Annexure - 3)**
(a) Developed: ----- 32
(b) Supervised: ----- 32
(c) Executed: ----- 32

16. Outstanding achievement (SO to PSO) (Duly endorsed by the Head of Division and Director (Agriculture)
(Award received, Supervision of MS/Ph.D thesis/Patent Registered) :

Performances A to L

Performance

A) Awarded In-Country PhD Scholarship of NATP-2, BARC and Working with PhD research including different experiments are as follows:

Title of the PhD Dissertation: INTEGRATED WEED MANAGEMENT EFFECT ON WEED PRESSURE, YIELD AND QUALITY OF OLITORIUS JUTE

General objectives: For the sustainability of jute production, the research program was undertaken to develop an integrated weed management package.

Based on the above goal, the objectives of the study were –

- to find out the critical period for weed competition in jute.
- to evaluate the effect of seed rate and line spacing on weed pressure, yield and quality of tossa jute.
- to evaluate the effect of dose and time of nitrogen application on weed pressure, yield and quality of tossa jute.
- to find out suitable herbicide for better efficacy, productivity and economics.
- to formulate an integrated weed management (IWM) package for sustainable tossa jute cultivation.

B) Completed a Research work with thesis at the time of M. S. in Agronomy at BAU, Mymensingh

C) Editorial Board Member of Journals (Annexure - 4)

Issues of 4 volumes of 2 Journals)	**7**
Chief Editor	-
Executive Editor	-
Associate Editor	1
Assistant Editor	6
Member	-

D) Published Abstracts (Annexure - 5)

Abstract	**6**
Principal Author	2
Co-author	4

E) Published Popular Articles (Annexure - 6)

Popular Article	**5**
Principal Author	4
Co-author	1

F) Conducted Seminar/Workshop (Annexure - 7)

Conducted Seminar/Workshop	**9**

G) Membership of Professional Societies

i.	Life Member:	Krishibid Institution, Bangladesh (Life: 01-00-10405)
ii.	Life Member:	Bangladesh Society of Agronomy (L-270)
iii.	Life Member:	Seed Science Society of Bangladesh (SSSB)
iv.	Life Member:	Bangladesh Society of Seed Technology (BSST)
v.	General member:	Weed Science Society of Bangladesh (WSSB)

H) Conducted Training programs on "jute, kenaf and mesta" fibre and seed production technologies for jute cultivator, field staff, Upazilla & District level Agriculture Officers'

I) Experienced with Radio talk show about jute & allied fibre production technologies and jute goods.

J) Experienced with preparing Souvenir of different conference of professional society as a member of publication committee. **Annexure-8**

K) Experienced with different extra ordinary activities.

Annexure-9

L) Participated in the monthly co-ordination meeting of DAE, Dhaka district level policy meeting as a nominated member on behalf of BJRI.

Signature of Applicant: …….....

Address: ……....……

Kbd. Dr. Mohammad Shahadat Hossain
Principal Scientific Officer
Jute Farming Systems Division
Bangladesh Jute Research Institute

Annexure - 1

List of scientific publications

A. Full scientific paper as principal author:

1. **M. Shahadat Hossain,** A. A. Mamun, Rikta Basak, M. N. Newaj, and M. K. Anam. 2003. Effect of cultivar and spacing on weed infestation and performance of transplant aman rice in Bangladesh. Pakistan Journal of Agronomy. 2(3): 169 – 178.

2. **M. Shahadat Hossain,** H. Q. M. Mosaddeque, M. A. Alam, S. M. Moniruzzaman and Izaz Ahmed. 2007. Effect of different organic manures and nitrogen levels on yield and yield attributes of T. aman rice. International Journal of Sustainable Agricultural Technology. 3(1): 21-26.

3. **M. Shahadat Hossain,** Muhammad Abdus Sobahan, M. A. Alam, M. Saheb Ali and M. S. H. Bhuiyan. 2007. Effect of organic manures and nitrogen levels on plant height and number of tillers hill^{-1} of T. aman rice. Journal of Subtropical Agricultural Research and Development. 5(3): 291-296.

4. **M. Shahadat Hossain,** Izaz Ahmed, Borhan Ahmed, M. S. H. Bhuiyan, M. A. Alam. 2008. Integrated use of organic matter and inorganic nitrogen fertilizer on dry matter production and leaf area index of transplant aman rice at different growing stages. International Journal of Sustainable Agricultural Technology. 4(1): 38-43.

5. **M. Shahadat Hossain,** M. Mahbubul Islam, Izaz Ahmed, A. T. M. Morshed Alam and M. Ali Alamgir. 2009. Effect of sowing dates on yield and yield attributes of white jute at different agro-ecological zones of Bangladesh. International Journal of Sustainable Agricultural Technology. 5(5): 96-99.

6. **M. Shahadat Hossain,** M. Mahbubul Islam, Izaz Ahmed, A. T. M. Morshed Alam and M. S. H. Bhuiyan. 2012. Species identification, density evaluation and green weight of weeds in tossa jute (*Corchorus olitorius*) growing areas of Bangladesh. Bangladesh Journal of Weed Science. 3(1&2): 19-24.

7. **M. Shahadat Hossain,** M. Mahbubul Islam, A. T. M. Morshed Alam, Izaz Ahmed and M. Jahangir Alam. 2012. Species identification, density evaluation and green weight of weeds in deshi jute (*Corchorus capsularis*) growing areas of Bangladesh. Bangladesh Journal of Weed Science. 3(1&2): 47-52.

8. **M. Shahadat Hossain,** M. Mahbubul Islam, Izaz Ahmed, M. Siddikur Rahman and M. Lutfor Rahman. 2015. Effect of sowing dates on fibre yield and yield attributes of white jute breeding line BJC-5003 at different locations of Bangladesh. International Journal of Sustainable Agricultural Technology. 11(8): 01-06.

9. **M. Shahadat Hossain,** M. Mahbubul Islam, M. Siddikur Rahman, M. Lutfor Rahman and M. Kamrujjaman. 2015. Seed yield attributes and yield of BJRI tossa pat-5 as influenced by sowing date at late season in different locations of Bangladesh. International Journal of Sustainable Agricultural Technology. 11(9): 01-05.

10. **M. Shahadat Hossain,** Jannatul Ferdous, M. Kamrujjaman, M. Abdul Alim and M. Mahbubul Islam. 2020. Fibre yield, yield attributes and economics of tossa jute (*Corchorus olitorius* L.) as affected by different weedicides. International Journal of Sustainable Agricultural Technology. 16(5): 14-19.

B. Full scientific paper as associate author:	
11.	M. Saheb Ali, H. Q. M. Mosaddeque, M. Al-Mamun, **M. Shahadat Hossain** and S. M. A. Haque. 2007. Influence of urea super granule combined with azolla manure on the growth and yield of BRRI Dhan 30. International Journal of Sustainable Agricultural Technology. 3(1): 27-30.
12.	H. Q. M. Mosaddeque, K. Sultana, M. Moinul Islam, M. R. Amin and **M. Shahadat Hossain**. 2007. Effect of bacterial leaf blight (*Xantjomonas campestris* pv. *oryzae*) on some restorer and maintainer lines of hybrid rice. Journal of Subtropical Agricultural Research and Development. 5(6): 361-366.
13.	M. S. H. Bhuiyan, M. A. Rahman, Mohammad Mouin Uddin, M. Asaduzzaman and **M. Shahadat Hossain.** 2007. A survey on present status of farmers and production practices of pointed gourd in Jessore district. Journal of Subtropical Agricultural Research and Development. 5(6): 367-372.
14.	M. Mahbubul Islam, **M. Shahadat Hossain,** A. T. M. Morshed Alam**,** Izaz Ahmed and M. Ali Alamgir. 2008. Effect of combined use of inputs with agronomic management on fibre yield of tossa jute in different locations of Bangladesh. International Journal of Sustainable Agricultural Technology. 4(5): 53-56.
15.	M. Ali Alamgir, Md. Mahbubul Islam, **M. Hazrat Ali,** S. M. Moniruzzaman and M. Shahadat Hossain. 2008. Effect of plant density and harvest days on yield and its attributes of white jute varieties. Bangladesh Journal of Jute and Fibre Research. 28(2): 47-53.
16.	A. Halim, M. Kamrujjaman, **M. Shahadat Hossain,** Mobarak Hossen and M. M. Islam Talukder. 2009. Factors affecting jute retting and fibre quality. Bangladesh Journal of Progressive Science and Technology. 7(1): 165-168.
17.	M. A. Alam, S. Nur, H. Q. M. Mosaddeque, **M. S. Hossain** and A. Miah. 2009. Effect of Gibbereellic acid (GA_3) and mode of application on physiology and yield of onion. Eco Friendly Agricultural Journal. 2(8): 717-721.
18.	M. Hussain, M. J. Alam, **M. Shahadat Hossain,** M. Al-Mamun and Izaz Ahmed. 2009. On farm evaluation of jute-based cropping pattern involving maize crop. International Journal of Sustainable Agricultural Technology. 5(5): 85-88.
19.	A. T. M. Morshed Alam**, M. Shahadat Hossain,** M. Mahbubul Islam, Izaz Ahmed and M. A. Hamidi. 2009. Effect of weeding and thinning manipulation practices on fibre yield and economics of deshi jute. Bangladesh Journal of Weed Science. 1(1): 31-34.
20.	Izaz Ahmed**, M. Shahadat Hossain,** M. Mahbubul Islam, A. T. M. Morshed Alam and M. J. Alam. 2010. Effect of sowing dates on yield and yield attributes of tossa jute (O-795) in different locations of Bangladesh. Journal of Experimental Biosciences. 1(2): 37-40.
21.	N. Pervin, G.K.M.N. Haque, A. Miah, **M. Shahadat Hossain** and M.J. Alam. 2011. *In Vitro* regeneration of six jute genotypes (*Corchorus capsularis* L.) in Bangladesh. International Journal of Sustainable Agricultural Technology. 7(11): 01-06.
22.	M. J. Alam Rahima Khatun, **M. Shahadat Hossain,** N. Pervin, and M.E.A. Pramanik. 2011. Correlation and path analysis in white jute (*Corchorus capsularis* L.) genotypes. International Journal of Sustainable Agricultural Technology. 7(11): 07-10.

23.	M. S. H. Bhuiyan, **M. Shahadat Hossain,** Izaz Ahmed, M. Younus Ali and Md. Mahabub Ali. 2012. Use of Leaf Colour Chart for nitrogen management in transplant aman rice. International Journal of Sustainable Agricultural Technology. 8(12): 1-5.
24.	M. S. H. Bhuiyan, M. Maksuder Rahman, **M. Shahadat Hossain,** M. Younus Ali and M. A. Alam. 2012. Development of high yielding jute variety BJRI tossa pat-5. International Journal of Sustainable Agricultural Technology. 9(5): 19-23.
25.	M. A. Hossain, A. K. Chowdhury, U. K. Nath and M. S. Rahman and **M. Shahadat Hossain**. 2015. Screening of jute genotypes for salt tolerance by measuring mortality: A case study. International Journal of Sustainable Agricultural Technology. 11(8): 12-18.
26.	M. Abul Fazal Mollah, M. Moshiur Rahman, M. Mahbubul Islam, M. Zablul Tareq and **M. Shahadat Hossain**. 2015. Assessment of kenaf (*Hibiscuss cannabinus* L.) seed quality as affected by storage container and seed moisture content. International Journal of Sustainable Agricultural Technology. 11(9): 6-14.
27.	M. A. Hossain, A. K. Chowdhury, U. K. Nath, M. S. Rahman and **M. Shahadat Hossain**. 2015. Combining ability analysis for salt tolerance in jute. International Journal of Sustainable Agricultural Technology. 11(9): 15-20.
28.	M. Abul Fazal Mollah, M. Mahbubul Islam, **M. Shahadat Hossain**, M. L. Rahman and M. S. Rahman. 2015. Electrical conductivity accelerated aging and field emergence tests of kenaf (*Hibiscuss cannabinus* L.) seed quality as affected by storage container and seed moisture content. International Journal of Sustainable Agricultural Technology. 11(10): 1-9.
29.	M. A. Hossain, A. K. Chowdhury, U. K. Nath, M. L. Rahman and **M. Shahadat Hossain**. 2015. Estimate of genetic parameter, character association and path analysis in white jute (*Corchorus capsularis* L.). International Journal of Sustainable Agricultural Technology. 11(10): 10-14.
30.	M. A. Hossain, A. K. Chowdhury, U. K. Nath, M. S. Rahman and **M. Shahadat Hossain**. 2015. Evaluation of different yield and yield contributing traits as indices of salt tolerance in jute. International Journal of Sustainable Agricultural Technology. 11(10): 15-23.
31.	S. M. Mahbub Ali, M. Moynul Haque, **M. Shahadat Hossain**, M. M. Hussain and M. N. Islam. 2016. Changes in chemical composition of jute seed as influenced by nitrogen and phosphorus fertilizers. Bangladesh Agronomy Journal. 19(2): 29-38.
32.	M. Mahbubul Islam, **M. Shahadat Hossain,** M. Saheb Ali, M. Siddiqur Rahman. 2017. Yield and quality of White jute (var. BJRI Deshi Pat 8) seed as influenced by Line×Plant spacing in different growing areas of Bangladesh. American Research Journal of Agriculture. 3(1): 1-7.
33.	Md. Ashraful Alam, Jannatul Ferdous, Manika Rani Debnath, **M. Shahadat Hossain** and M. Mahbubul Islam. 2019. Reduction of production cost of jute (BJRI Tossa Pat 5) as influenced by urea top dressing doses and period. Research Journal of Food and Nutrition. 3(3): 1-5.

34.	J. Ferdous, **M. S. Hossain,** M. A. Alim and M. M. Islam1. 2019. Effect of field duration on yield and yield attributes of tossa jute varieties at different Agro-ecological zones. Bangladesh Agronomy Journal. 22(2): 77-82.
35.	S. M. A. Haque, Md. Kamrujjaman, **M. Shahadat Hossain,** Md. Tanvir Rahman and Jannatul Ferdous. 2020. Efficacy of BAU-Biofungicide, Provax-200 on mortality, viability, seed quality and yield following top cutting method in jute variety o-9897. Int. J. Sustain. Agril. Tech. 16(2): 06-10.
36.	S. M. A. Haque, Md. Kamrujjaman, **M. Shahadat Hossain**, Jannatul Ferdous and Md. Tanvir Rahman. 2020. Disease incidence, seed quality and yield of jute variety CVL-1 affected by seeds stored in different types of containers. Int. J. Sustain. Agril. Tech. 16(5): 08-13.
37	S. M. A. Haque, Md. Kamrujjaman, S. M. Shahriar Parvej Md. Tanvir Rahman and **M. Shahadat Hossain.** 2020. Evaluation of some newly assayed spraying fungicides against seed borne fungal pathogens of jute. Int. J. Sustain. Agril. Tech. 16(6): 01-05.
38	J. Ferdous, **M. S. Hossain,** M. A. Alim and M. M. Islam. 2020. Effect of weeding and herbicide management on fibre yield and yield attributes of tossa jute. Bangladesh Agronomy Journal. 23(1): 101-106
39	Shuranjan Sarkar, Zakaria Ahmed, **M. Shahadat Hossain** and M. Moslem Uddin. 2022. Charcoal preparation from jute stick: A new approach for sustainable economy. GSC Advanced Research and Reviews. 10(02): 014-019.
40	J. Ferdous, **M. S. Hossain,** M.Y. Sarker, M.A. Alim and M.M. Islam1. 2022. Effect of sowing date on fibre yield and yield attributes of advanced breeding line O-0412-9-4 and O-043-7-9 of tossa jute (*Corchorus olitorius* L.). Bangladesh Agronomy Journal. 25(1): 1-6

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Annexure - 2

Name of Technology Developed:

Sl. no.	Name of Technology Developed	Present Status of Adoption
1.	Appropriate sowing time of BJRI deshi pat-5 (BJC-7370) is February to April.	Mature technology
2.	Appropriate sowing time of BJRI deshi pat-6 (BJC-83) is last week of March to mid April.	Mature technology
3.	Appropriate sowing time of BJRI deshi pat-7 (BJC-2142) is March to June.	Mature technology
4.	Appropriate sowing time of BJRI deshi pat-8 (BJC-2197) is last week of March to end of April.	Mature technology
5.	Appropriate sowing time of BJRI tosa pat-5 (O-795) is mid March to April.	Mature technology
6.	Appropriate sowing time of BJRI tosa pat-6 (O-3820) is first to last April.	Mature technology
7.	Appropriate sowing time of BJRI kenaf-3 (বট কেনাফ) is mid March to May.	Mature technology
8.	Appropriate weed management technology is weeding and thinning two times (20-25 DAS & 35-40 DAS), Tanabas 65-70 DAS and Katabas 85-90 DAS. [DAS=days after sowing]	Mature technology
9.	Weed species and weed density of jute field in tossa jute growing areas of Bangladesh are identified.	Mature technology
10.	Weed species and weed density of jute field in deshi jute growing areas of Bangladesh are identified.	Mature technology
11.	Optimum plant population for the production of quality fibre of tossa jute is 4.5 lac at Faridpur & Rangpur and 4.0 lac at Manikganj.	Mature technology
12.	Appropriate sowing time of BJRI mesta-3 (SAMU-93) is 15 April.	Mature technology
13.	পাট চাষে দুই বার নিড়ানি ও পাতলাকরন (বীজ বপনের ২০-২৫ দিন এবং ৩৫-৪০ দিন পর), এক বার টানাবাছ (৬৫-৭০ দিন পর) এবং এক বার কাটাবাছ (৮৫-৯০ দিন পর) এর মাধ্যমে সঠিক আন্তঃপরিচর্যা পদ্ধতি।	Mature technology
14.	পাটের আগাছা দমনে আগাছানাশকের ব্যবহার পদ্ধতি (সালঃ ২০১০-১১)।	Mature technology
15.	পাটক্ষেতের ক্ষুদেশেমা ও আঙ্গুলিঘাস দমনে আগাছানাশকের ব্যবহার প্রযুক্তি (সালঃ ২০১৩-১৪)	Mature technology
16.	পাটক্ষেতের মুথাঘাস দমনে আগাছানাশকের ব্যবহার প্রযুক্তি (সালঃ ২০১৬-১৭)।	Mature technology

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Principal Scientific Officer
Jute Farming Systems Division
Bangladesh Jute Research Institute

Annexure - 3

List of Research Programme:

a) A short list of research activities at BJRI

Name of research program(s)/Project(s) Developed	Implementation status	Remarks
1. Agronomic studies on breeding lines of tossa jute as influenced by planting time. Crop Man.1/2005.	Conducted in 2003 and repeated to 2005. (Tech. Program, 2005-2006, P-42).	Results were satisfactory
2. Manipulation of weeding and thinning operation to reduce cost of production of deshi jute. Crop Man.2/2005.	Conducted in 2005 and repeated to 2007. (Tech. Program, 2005-2006, P-43).	Results were satisfactory
3. Effect of planting times on fibre yield and yield contributing characters of breeding line of tossa jute. Crop Man.1/2006.	Conducted in 2006 and repeated to 2008. (Tech. Program, 2006-2007, P-54).	Results were satisfactory
4. Effect of planting times on fibre yield and yield contributing characters of breeding line of deshi jute. Crop Man.2/2006.	Conducted in 2006 and repeated to 2008. (Tech. Program, 2006-2007, P-55).	Results were satisfactory
5. Seed yield and yield contributing characters of newly released tossa variety as influenced by different planting times at late season. Crop Man. 4/2006.	Conducted in 2004 and repeated to 2006. (Tech. Program, 2006-2007, P-57).	Results were satisfactory
6. Seed yield and yield contributing characters of advanced breeding line of deshi jute as influenced by different planting times at late season. Crop Man. 5/2006.	Conducted in 2004 and repeated to 2006. (Tech. Program, 2006-2007, P-58).	Results were satisfactory
7. Effect of plant population on fibre yield and yield contributing characters of tossa jute. Crop Man.3/2007.	Conducted in 2007 and repeated to 2009. (Tech. Program, 2007-2008, P-57).	Results were satisfactory
8. Seed yield and yield contributing characters of *Corchorus capsularis* L. pre-released variety as influenced by different planting times at late season. Crop Man. 5/2008.	Conducted in 2008 and repeated to 2010. (Tech. Program, 2008-2009, P-58).	Results were satisfactory
9. Identification and performance evaluation of weeds grown in deshi jute growing areas. Crop Man. 2/2009.	Conducted in 2009 and repeated to 2011. (Tech. Program, 2009-2010, P-69).	Results were satisfactory
10. Identification and performance evaluation of weeds grown in tossa jute growing areas. Crop Man. 3/2009.	Conducted in 2009 and repeated to 2011. (Tech. Program, 2009-2010, P-70).	Results were satisfactory
11. Seed yield and quality of some deshi jute varieties as affected by saline soil. Crop Man. 6/2009.	Conducted in 2009 and repeated to 2011. (Tech. Program, 2009-2010, P-74).	Results were satisfactory
12. Seed yield and quality of some tossa jute varieties as affected by saline soil. Crop Man. 7/2009.	Conducted in 2006 and repeated to 2009. (Tech. Program, 2009-2010, P-76).	Results were satisfactory
13. Effect of sowing time on fibre yield and yield attributes of advanced breeding line O-3820 of tossa jut. Crop Man. 1/2010.	Conducted in 2010 and repeated to 2012. (Tech. Program, 2010-2011, P-55).	Results were satisfactory
14. Seed yield and yield contributing characters of newly released tossa jute variety O-795 as influenced by different date of sowing at late season. Crop Man. 4/2010.	Conducted in 2010 and repeated to 2012. (Tech. Program, 2010-2011, P-59).	Results were satisfactory

Name of research program(s)/Project(s) Developed	Implementation status	Remarks
15. Effect of sowing time on fibre yield and yield attributes of advanced breeding line BJC-5003 of deshi jute. Crop Man. 2/2012.	Conducted in 2012 and repeated to 2014 (Tech. Program, 2012-2013, P-59)	Results were satisfactory
16. Study the effect of weedicide in jute crop for cultivation of fibre and seed. Crop Man. 4/2012. This is routine work in every year.	Conducted in 2012. (Tech. Program, 2012-2013, P-48).	Results were satisfactory
17. Effect of sowing date on fibre yield and yield attributes of advanced breeding line OM-1GM1(BLG) of tossa jute. Crop Man. 2/2013.	Conducted in 2013 and repeated to 2015. (Tech. Program, 2013-2014, P-48).	Results were satisfactory
18. Effect of sowing date on fibre yield and yield attributes of advanced breeding line 1641/C (KE-3) of Kenaf. Crop Man. 3/2013.	Conducted in 2013 and repeated to 2015. (Tech. Program, 2013-2014, P-48).	Results were satisfactory
19. Seed yield and yield contributing characters of advanced breeding line of tossa jute O-3820 as influenced by different date of sowing at late season. Crop Man. 5/2013.	Conducted in 2013 and it will be repeated to 2016. (Tech. Program, 2013-2014, P-51).	Results were satisfactory
20. Cost effective jute cultivation by manipu-lating weeding and herbicide management. Crop Man. 3/2015.	Conducted in 2015 and it will be repeated to 2018. (Tech. Program, 2015-2016, P-51).	Results were satisfactory
21. Seed yield performance of deshi jute as influenced by different spacing at late season. Crop Man. 6/2015.	Conducted in 2015 and repeated to 2018 (Tech. Program, 2015-2016, P-55).	Results were satisfactory
22. Effect of sowing date on fibre yield and yield attributes of advanced breeding line SAMU-93 of Mesta. Crop Man. 1/2016.	Conducted in 2016 and repeated to 2018 (Tech. Program, 2016-2017, P-53).	Results were satisfactory
23. Study on weedicides trial for cultivation of jute crop in field condition. Crop Man. 3/2016.	Conducted in 2016 to 2017. (Tech. Program, 2016-2017, P-55).	Results were satisfactory
24. Effect of urea fertilizer top dressing management for weed control at different age of jute crop. Crop Man. 4/2016.	Conducted in 2016 and repeated to 2018 (Tech. Program, 2016-2017, P-57).	Results were satisfactory
25. Seed yield performance of deshi jute as influenced by different spacing at late season. Crop Man. 6/2016.	Conducted in 2015 and repeated to 2018 (Tech. Program, 2016-2017, P-59).	Results were satisfactory
26. Effect of sowing date on fibre yield yield attributes of advanced breeding line O-0412-9-4 and O-043-7-9 of tossa jute (Crop Man. 1/2017)	Conducted in 2017 and repeated to 2019 (Tech. Program, 2017-2018, P-55).	Results were satisfactory
27. Effect of field duration on yield and quality of tossa jute varieties at different AEZ (Crop Man. 2/2017).	Conducted in 2017 and repeated to 2019 (Tech. Program, 2017-2018, P-56).	Results were satisfactory
28. Study on yield and yield components of BJRI and exotic kenaf varieties (Crop Man. 5/2017).	Conducted in 2017 and repeated to 2019 (Tech. Program, 2017-2018, P-58).	Results were satisfactory

Name of research program(s)/Project(s) Developed	Implementation status	Remarks
29. Effect of weeding and herbicide management on fibre yield and yield attributes of tossa jute (Crop Man. 6/2017).	Conducted in 2017 and repeated to 2019 (Tech. Program, 2017-2018, P-59).	Results were satisfactory
30. Development of jute based four crop pattern for increasing cropping intensity and crop productivity (Crop Man. 10/2017).	Conducted in 2016 and repeated to 2018 (Tech. Program, 2017-2018, P-65).	Results were satisfactory
31. Effect of sowing dates on seed yield and yield attributes of tossa jute breeding line OM-1 MG-1 (BLG) at late season (Crop Man. 14/2017).	Conducted in 2016 and repeated to 2018 (Tech. Program, 2017-2018, P-69).	Results were satisfactory
32. Integrated weed management effect on weed pressure, yield and quality of Olitorius jute	Title of the PhD Dissertation	Results were satisfactory

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Annexure - 4

Editorial Board Member of Journal

1.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 20, No. 2, December 2017.
2.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 20, No. 1, June 2017.
3.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 19, No. 2, December 2016.
4.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 19, No. 1, June 2016.
5.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 18, No. 2, December 2015.
6.	**Mohammad Shahadat Hossain,** Assistant Editor, Bangladesh Agronomy Journal. An organ of Bangladesh Society of Agronomy. ISSN 1013-1922 (Print) and ISSN 2412-5830 (Online). Vol. 18, No. 1, June 2015.
7.	**Mohammad Shahadat Hossain,** Associate editor, Bangladesh Journal of Weed Science. ISSN 2078-130X. Official organ of Weed Science Society of Bangladesh. Vol. 1, No. 1, June 2010.

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Annexure - 5

List of Published Abstracts

SL	Author, Title and Journals address
1.	M. M. Islam, I. Ahmed**, M. S. Hossain,** M. A. Alamgir and A. T. M. Morshed Alam. 2010. Effect of different sowing dates on seed yield and quality for Kenaf and Roselle crops. Souvenir, International conference on crop production under changing climate in Bangladesh: Agronomic options. 6-7 October 2010, Bangladesh Society of Agronomy. 40p.
2.	**M. Shahadat Hossain,** M. Mahbubul Islam, M. Siddikur Rahman, M. Lutfor Rahman and M. Kamrujjaman. 2015. Seed yield attributes and yield of BJRI tossa pat 5 as influenced by sowing date at late season in different locations of Bangladesh (Sl. no.-65). Souvenir, 14th Conference on Agronomic Challenges for Climate Smart Agriculture. 31 October 2015, Bangladesh Society of Agronomy. 69p.
3.	**M. Shahadat Hossain,** M. Mahbubul Islam, Izaz Ahmed, M. Siddikur Rahman and M. Lutfor Rahman. 2015. Effect of sowing dates on fibre yield and yield attributes of white jute breeding line BJC-5003 at different locations of Bangladesh (Sl. no.-66). Souvenir, 14th Conference on Agronomic Challenges for Climate Smart Agriculture. 31 October 2015, Bangladesh Society of Agronomy. 69p.
4.	M. Abul Fazal Mollah, M. Moshiur Rahman, M. Mahbubul Islam, M. Zablul Tareq and **M. Shahadat Hossain**. 2015. Assessment of kenaf (*Hibiscuss cannabinus* L.) seed quality as affected by storage container and seed moisture content (Sl. no.-67). Souvenir, 14th Conference on Agronomic Challenges for Climate Smart Agriculture. 31 October 2015, Bangladesh Society of Agronomy. 70p.
5.	M. Abul Fazal Mollah, M. Mahbubul Islam, **M. Shahadat Hossain**, M. Siddikur Rahman and M. Lutfor Rahman. 2015. Electrical conductivity, accelerated aging and field emergence tests of kenaf (*Hibiscuss cannabinus* L.) seed quality as affected by storage container and seed moisture content (Sl. no.-68). Souvenir, 14th Conference on Agronomic Challenges for Climate Smart Agriculture. 31 October 2015, Bangladesh Society of Agronomy. 70p.
6.	S. M. Mahbub Ali, M. Moynul Haque, **M. Shahadat Hossain**, M. M. Hussain and M. N. Islam. 2016. Changes in chemical composition of jute seed as influenced by nitrogen and phosphorus fertilizers. Souvenir, 15th Conference on Agronomy and Livelihood: Vision 2050 and Beyond for Bangladesh. 24-25 September 2016, Bangladesh Society of Agronomy. 102p

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Annexure - 6

List of Published Popular Articles

SL	Author, Title and Journals address
1.	**মোহাম্মদ শাহাদত হোসেন**। মার্চ ২০২০। পরিবেশ সুরক্ষায় পটাট। সম্প্রীতি (একটি নিয়মিত প্রকাশনা), বার্ষিক বনভোজন ২০২০ স্বরনিকা, জামালপুর সমিতি ঢাকা। ৬১৩/২, কাজীপাড়া, বেগম রোকেয়া সরণি, মিরপুর, ঢাকা-১২১৬। পৃষ্ঠাঃ ৫০-৫১।
2.	**মোহাম্মদ শাহাদত হোসেন**। অক্টোবর ২০১৯। পাটের বহুমুখী ব্যবহার এবং অপার সম্ভাবনার হাতছানি। সম্প্রীতি (একটি নিয়মিত প্রকাশনা), ঈদ পূনর্মিলনী ২০১৯ স্বরনিকা, জামালপুর সমিতি ঢাকা। ৬১৩/২, কাজীপাড়া, বেগম রোকেয়া সরণি, মিরপুর, ঢাকা-১২১৬। পৃষ্ঠাঃ ৪১-৪৩।
3.	**মোহাম্মদ শাহাদত হোসেন**। ফেব্রুয়ারি ২০১৯। পাটের পলিথিন উৎপাদন ও পরিবেশের টেকসই উন্নয়ন। সম্প্রীতি (একটি নিয়মিত প্রকাশনা), বার্ষিক নৌ-বিহার ২০১৯ স্বরনিকা, জামালপুর সমিতি ঢাকা। ৬১৩/২, কাজীপাড়া, বেগম রোকেয়া সরণি, মিরপুর, ঢাকা-১২১৬। পৃষ্ঠাঃ ২৮।
4.	Md. Mahbubul Islam and **Mohammad Shahadat Hossain**. 2015. Jute Weeds and its Research Advances in Bangladesh Jute Research Institute. Fifth conference of Weed Science Society of Bangladesh: Integrated Weed Management for Sustainable Crop Production. 16 May 2015. Weed Science Society of Bangladesh.43-52pp.
5.	**মোহাম্মদ শাহাদত হোসেন,** মোঃ জাকির হোসেন এবং মোঃ মাজহারুল ইসলাম তালুকদার। ২০০৬। বিজয়ের মাস ডিসেম্বর। সোনালী আঁশ (Sonali Ansh)। বাংলাদেশ পাট গবেষণা ইনস্টিটিউট বিজ্ঞানী সমিতি। বাংলাদেশ পাট গবেষণা ইনস্টিটিউট, মানিক মিয়া এভিনিউ, শের-ই-বাংলা নগর, ঢাকা-১২০৭। পৃষ্ঠা ৯৪-৯৫।

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Annexure - 7

List of Seminar/Workshop

Title of the Program	From	To	Venue	Sponsoring Agency	Remarks
Workshop on Progress Review of in-country PhD Scholars at BAU	11/11/19	12/11/19	BAU Mymensingh	PIU, NATP-II BARC, Dhaka	Successfully completed
PhD Dissertation Proposal Seminar on "Weed dynamics and its management for higher fibre yield and quality of *Corchorus olitorius* L. jute.	06/02/19	06/02/19	BAU Mymensingh	BAU Mymensingh	Successfully completed
"Training Workshop on Seaweed Cultivation". Capacity Building for Conducting Adaptive Trails on Seaweed Cultivation in Coastal Areas Project	19/10/16	19/10/16	Horticulture Centre Cox's Bazar	BARC & BARI	Successfully completed
National Workshop on Capacity Needs Assessment of Extension and Advisory Service (EAS) Providers in Bangladesh	27/02/16	28/02/16	Proshika HRDC Trust, Koitta, Manikganj	Bangladesh Agril. Extension Network & Agril. Extension in South Asia	Successfully completed
Participated in the Annual Review Workshop on Crop Production Programme-2016	09/08/16	11/08/16	BARC, Dhaka	BARC	Successfully completed
Participated in the Annual Review Workshop on Crop Production Programme-2015	02/08/15	04/08/15	BARC, Dhaka	BARC	Successfully completed
Participated in the Annual Review Workshop on Crop Production Programme-2014	24/08/14	25/08/14	BARC, Dhaka	BARC	Successfully completed
Identification of the species and density evaluation of weeds in tossa jute growing area	03/05/13	03/05/13	BARC, Dhaka	4th Conf. on Weed Sci. Soc. Bangladesh	Successfully completed
International conference on Crop production under changing climate in Bangladesh: Agronomic option	06/10/10	07/10/10	BARC, Dhaka	Bangladesh Society of Agronomy	Successfully completed
Workshop on Low Cost Retting of Jute, Kenaf and Mesta for Quality Up-gradation	30/06/09	30/06/09	BJRI, Dhaka	International Jute Study Group	Successfully completed
Internal Review Workshop at BJRI one time in every year	2006	2017	BJRI, Dhaka	BJRI, Dhaka	Successfully completed

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Annexure-8

Member of publication committee of different conference of professional societies

1.	**Md. Shahadat Hossain,** Member, Conference Organizing committee, Souvenir, 1st National conference and Seminar on Weeds and Food Security. 8 November 2008. Weed Science Society of Bangladesh.
2.	**Md. Shahadat Hossain,** Member, Publication committee, Souvenir, International conference on crop production under changing climate in Bangladesh: Agronomic options. 6-7 October 2010, Bangladesh Society of Agronomy.
3.	**Md. Shahadat Hossain,** Member, Organizing committee and Seminar committee, Souvenir, 2nd Biennial Conference on Weed Management for Sustainable Crop Production. 1 January 2011. Weed Science Society of Bangladesh.
4.	**Md. Shahadat Hossain,** Member, Publication committee, Souvenir, 10th Conference on Crop Production under Unfavourable Ecosystems in Bangladesh. 8 October 2011, Bangladesh Society of Agronomy.
5.	**Md. Shahadat Hossain,** Member, Publication committee and Conference Organizing committee, Souvenir, 11th Conference on Advances in Agronomic Research under Changing Environment in Bangladesh. 6 October 2012, Bangladesh Society of Agronomy.
6.	**Md. Shahadat Hossain,** Member, Publication committee, Souvenir, 4th Conference on Weeds in Bangladesh: Issues and Challenges. 03 May 2013. Weed Science Society of Bangladesh.
7.	**Md. Shahadat Hossain,** Member, Publication committee and Conference Organizing committee, Souvenir, 13th Conference on Agronomic Visions for Sustainable Food Security. 20 September 2014. Bangladesh Society of Agronomy.
8.	**Md. Shahadat Hossain,** Member, Publication committee, Souvenir, 5th Conference on Integrated Weed Management for Sustainable Agriculture. 16 May 2015. Weed Science Society of Bangladesh.
9.	**Md. Shahadat Hossain,** Member, Publication committee and Conference Organizing committee, Souvenir, 14th Conference on Agronomic Challenges for Climate Smart Agriculture. 31 October 2015. Bangladesh Society of Agronomy
10.	**Md. Shahadat Hossain,** Member, Publication committee and Conference Organizing committee, Souvenir, 15th Conference on Agronomy and Livelihood: Vision 2050 and Beyond for Bangladesh. 24-25 September 2016. Bangladesh Society of Agronomy.
11.	**Md. Shahadat Hossain,** Member Secretary, Publication committee, Souvenir, 16th Conference on Agronomy for sustainable development goal. 28 October 2017. Bangladesh Society of Agronomy.

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Annexure-9

Extra ordinary activities

1.	Participation in the International Conference on Crop Production under Changing Climate in Bangladesh: Agronomic Options, Organized by: Bangladesh Society of Agronomy, October 6~7, 2010, BARC, Dhaka.
2.	Successfully performed the duty of Bangladesh Agricultural University Rover Scout Group as Assistant Rovermate and Rovermate during July 1994 to June 2002.
3.	Successfully participated in the Annual Camp of Bangladesh Agricultural University Rover Scout Group during 9th to 11th August 2000 at BAU campus, Mymensingh.
4.	Successfully completed seven days Extension Field Trip at the field level of Sreepur Upazilla, Gazipur Organized by Department of Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh, during September 26 to October 01, 1999.
5.	Successfully completed in the Training on Scout Master Advanced Course in 1999 as Scout in West Bengal, India conducted by Bharat Scouts & Guides during 23 April to 30 April 1999.
6.	Successfully Completed Rambling 400 miles (650 km) by Bicycle crossing 10 (Ten) districts of Bangladesh to campaign in favour of the Slogan Save the Nature from Bangladesh Agricultural University Rover Scout Group, Mymensingh during 15th to 19th March 1998.
7.	Successfully completed the Scout Unit Leader Basic Training Course at Sreepur, Gazipur during 22-29 December 1997 under Dhaka Region, Bangladesh Scouts.
8.	Successfully Participated in the 9th Asia Pacific/ 7th Bangladesh Rover Moot `97 as a Rover at Lakkatura Golf Club Arena, Sylhet, Bangladesh during 24th to 30th October 1997.
9.	Successfully participated in the Annual Camp of Bangladesh Agricultural University Rover Scout Group during 20th to 23th May 1997 at BAU campus, Mymensingh.
10.	Successfully Participated in the 2nd Asia Pacific community Development Camp (COMDECA) '95 as Volunteer at TA–MA–TU, Borguna, Bangladesh during 18th to 22th December 1995.
11.	Successfully participated in the 14th Rover Moot at Mouchak, Gazipur, Bangladesh conducted by Rover Regional Scouts during 25th to 30th March 1995.
12.	Successfully completed the Training on Bangladesh National Cadet Core (BNCC) under the direction and supervision of Ramna Regiment, Bangladesh Army via Nandina College, Jamalpur during the year 1990 to 92.
13.	Successfully completed the training of proficiency Badge Course at Singhajani Bohumukhi High School, Jamalpur conducted by Jamalpur Sadar Upazilla Scouts during 20 to 25 April 1989.

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Annexure-10

Bulletin (Leaflet)

1.	কৃষিবিদ ড. মোঃ মাহবুবুল ইসলাম, কৃষিবিদ মোহাম্মদ শাহাদত হোসেন। ২০১৫। পাট ক্ষেতের আগাছা ও দমন ব্যবস্থা। বাংলাদেশ পাট গবেষণা ইনস্টিটিউট, মানিক মিয়া এভিনিউ, ঢাকা-১২০৭।

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