Personal Data Sheet (PDS)

1	Name	:	**Bishwajit Kundu**
2	Father's name	:	Ajit Kundu
3	Mother's name	:	Geeta Rani Kundu
4	Wife's name	:	Joya Kundu
5	Gender	:	Male
6	Designation	:	Senior Scientific Officer
7	Institution	:	Bangladesh Jute Research Institute
8	Date of joining in the present position	:	27th June, 2022
9	Date of first joining in service	:	19th January, 2017
10	Date of birth	:	05 March 1988

11 Educational Qualification

Degree/Diploma/ Certificate	Class/Grade/ Division	University/Institute/Board	Year
M. S. in Agroforestry and Environmental Science	3.96	SAU*, Dhaka	2015
B. Sc. Ag. (Hons.)	3.78	SAU*, Dhaka	2012
H. S. C.	4.50	Dhaka	2007
S. S. C.	4.81	Dhaka	2005

*SAU- Sher-e-Bangla Agricultural University

12. Field of Specialization : Crop Modeling, Environmental Science, Agronomy and Farming System Research

13. Training:

(a) In Country:

SL. No.	Organization	Year	Duration		Name of programme
			Months	Days	
1.	a2i	2023	-	1	Data Analytics & Visualization using Power BI
2.	CPTU	2023	-	17	Public Procurement management
3.	BMD	2023	-	02	Decision Support system (DSS) Tools for Drought and Extreme Events for the Early warning
4.	BARC	2023	-	05	Excel Based Data Analysis for Early Career Scientist
5.	BJRI	2023	-	01	Bangladesh Delta Plan 2100
6.	CPTU	2023	-	02	e-Project Management Information System (e-PMIS)
7.	BJRI	2022	-	02	ই-নথি
8.	BJRI	2022	-	01	অফিস ব্যবস্থাপনা ও দক্ষতার উন্নয়ন
9.	BJRI	2022	-	01	ই-গভর্নেন্স ও উদ্ভাবন পরিকল্পনা বাস্তবায়ন

SL. No.	Organization	Year	Duration		Name of programme
			Months	Days	
10.	BJRI	2022	-	01	সেবা প্রদান প্রতিশ্রুতি
11.	BARC	2022	-	02	Forestry and Agroforestry Technologies for Professionals
12.	BJRI	2021	-	01	আয়কর রিটার্ন দাখিল
13.	BJRI	2021	-	01	অভিযোগ গ্রহণ ও নিষ্পত্তিকরণ
14.	BARC	2021	-	03	Exploratory Data Analysis in Agricultural Research with R Software
15.	NATA	2021	-	05	Integrated Water Resource management in Agriculture
16.	BJRI	2020	-	02	Modern Office Management
17.	BJRI	2020	-	01	তথ্য অধিকার আইন
18.	BJRI	2020	-	02	Innovation in Public Service
19.	BJRI	2019	-	02	Modern Office Management
20.	NATA	2019	-	05	Climate Smart Agriculture
21.	BJRI	2019	-	01	জাতীয় শুদ্ধাচার কৌশল
22.	BJRI	2019	-	01	Jute Textile Product Research and Development
23.	BJRI	2019	-	01	Jute Industrial Product Research and Development
24.	BJRI	2019	-	01	জাতীয় শুদ্ধাচার কৌশল বাস্তবায়ন
25.	BJRI	2019	-	02	Innovation in Public Service
26.	BIM	2018	-	06	Financial Management
27.	GTI	2018	-	13	Research Methodology
28.	BJRI	2018	-	03	Research Methodology
29.	BJRI	2018	-	03	Data analysis by Micro-computer
30.	BARI	2018	-	05	Agronomic Research and Technology Development of Major Crops
31.	BJRI	2018	-	03	Technical Report Writing and Editing
32.	BARI	2018	-	05	Scientists Training on Open Source Software R
33.	BJRI	2017	-	03	Procurement of Goods, Works and Services
34.	BARC	2017	-	02	Agroforestry Technologies for Professionals
35.	BJRI	2017	-	03	Orientation-Cum-Administrative and Financial management

BJRI- Bangladesh Jute Research Institute
BARC- Bangladesh Rural Advancement Committee
BIM- Bangladesh Institute of Management
NATA- National Agriculture Training Academy
BARI- Bangladesh Agricultural Research Institute
GTI- Graduate Training Institute
CPTU- Central Procurement Technical Unit
a2i- Aspire to Innovate
BMD- Bangladesh Meteorological Department

(b) Abroad:

Country	Year	Duration		Name of programme
		Mos.	Days	
Nil				

14. Experience:

Position	Place of posting	Period	Duration	Remarks
Scientific Officer	Jute Farming Systems Division, BJRI, Dhaka	19-01-2017 to 26-06-2022	05 years 05 months 07 days	-
Senior Scientific Officer	Jute Farming Systems Division, BJRI, Dhaka	27-06-2022 to Till to date	-	-

15. Publication:

a) Scientific Paper:

Sl. No.	Publication Description
	(i) Full paper
1.	**Kundu, B**., Islam, M.S., Nur, I.J., Iqbal, B. and Hossain, M. F. (2022). Ecosystem Carbon Stock and Tree Species Diversity at Green Areas in Dhaka City. *Int. J. Bus. Soc. Sci. Res.* 10(1), 50–56. Retrieved from http://www.ijbssr.com/currentissueview/14013448]
2.	Iqbal, B., Nur, I.J., Islam, M.S., **Kundu, B**. and Hossain, M. F. (2023). Tree Species Diversity and Carbon Stock in Charland Homegardens of Bangladesh. *Malaysian Journal of Sustainable Agriculture.* 7(1), 20-24.
3.	**Kundu, B**. and Hossain, M. B. (2022). Cost benefit and break-even analysis of tossa and kenaf fibre crop cultivation at farm levels in Bangladesh. *Bangladesh Journal of Environmental Science.* 42, 95-102. Retrieved from https://environmentalexplore.com/university-research-paper-on-bangladesh-2021/ ISSN: 1561-9206
4.	Hossain, M. B., **Kundu, B**. and Islam, S. N. (2022). Comparative returns among farmers' alternate cropping patterns in comparison with existing farmers' practices in Jashore region of Bangladesh. *Bangladesh Journal Environmental Science.* 43, 53-58. Retrieved from https://environmentalexplore.com/university-research-paper-on-bangladesh-2021/ ISSN: 1561-9206
5.	Hossain, M. B. and **Kundu, B**. (2022). Comparative analysis of the profitability of the tossa and kenaf seed cultivation at contact growers' level in selected areas of Bangladesh. *International Journal of Advanced Geosciences*.
6.	Khan, M. A. and **Kundu, B**. (2021). Effect of Various Crops and Cropping Patterns on Soil Nutrients. *Int. J. Bus. Soc. Sci. Res*. 9(3), 49–53. Retrieve from http://www.ijbssr.com/currentissueview/14013428]

Sl. No.	Publication Description
7.	Hossain, M. B., **Kundu, B**., Karim M. M., and Khan, M. A. (2020). Jute based farming system: Achievement, challenges and prospects in Bangladesh. *Bangladesh Journal of Environmental Science.* 39, 121-130. Retrieved from https://environmentalexplore.com/university-research-paper-on-bangladesh-2021/ ISSN: 1561-9206
8.	Nur, I., **Kundu, B**., Chowdhury, M., Mukul, M., Ferdush, J., and Khan, M. (2021). Weed Management of Kenaf (Hibiscus Cannabinus) Through Intercropping Leafy Vegetables and Cultural Practices. *SAARC Journal of Agriculture*, 19(1), 165–176. Retrieved from https://doi.org/10.3329/sja.v19i1.54787
9.	Uddin, N., Karim M. M., **Kundu, B.**, and Hossain, M. B. (2021). Production and profitability study of white jute seed at farmer's level in different areas of Bangladesh. *Haya: The Saudi Journal of Life Sciences*. 6(4), 56-62. doi: 10.36348/sjls. 2021. v06i04.001 ISSN 2415-6221
10.	Nur, I., **Kundu, B**., Ferdous, T., Jui, S. A. and Hossain, M. F. (2020). Rooftop gardening: A summer cooling technology in cities. *IOSR Journal of Environmental Science, Toxicology and Food Technology (IOSR-JESTFT)* e-ISSN: 2319-2402, p-ISSN: 2319-2399. 14 (2), 37-43. DOI: 10.9790/2402-1402033743
11.	Karim, M. M., Ferdush, J., **Kundu, B**. and Zakaria, M. (2021). Performance of Black Cumin (Bari Kalojeera-1) at Zero Irrigation Condition. *J. Expt. Biosci.* 12(2), 47-52 Retrieved from http://www.bioscience-associates.com/p/vol-122.html
12.	Mazed, H. E. M. K., Pulok, M. A. I., **Kundu, B**., Partho, S. G. and Ahammed, M. (2015). Growth and yield of tuberose as influenced by different levels of nutrient sources and mulching materials. *International Journal of Applied Research*. 1(5), 207-211
	(ii) Abstract
1.	Kundu, S., Kumar, R. S. and **Kundu, B**. (2021). Agro-Ecological Approaches in Climate Resilient Agriculture: Local Farming Models in Coastal Bangladesh. International Research on Food Security, Natural Resource Management and Rural Development. P. 167. Retrieved from https://www.tropentag.de/2021/TT21boa.pdf

(b) Books/Monographs/Bulletins/Leaflet

Sl. No.	Publication Description
	(i) Books (Chapter)
1.	Kumar, R. S., Kundu, S., **Kundu, B**., Binu, N. K. & Shaji, M. (2021). Emerging typology and framing of climate resilient agriculture in South Asia. In T. M. Letcher, The impacts of climate change: A comprehensive study of physical, biophysical, social and political issues. London, United Kingdom: Elsevier. Pp. 255-287. Retrieved from https://www.Elsevier .com/books/the-impacts-of-climate-change/letcher/978-0-12-822373 -4?fbclid=IwAR03lHnz9TIjRVm4Oh4PvU2f_oecNtdJB L3yZmiSxY-B6bWior_LIjr8frc

Sl. No.	Publication Description
	(ii) Leaflet
1.	Improved cropping pattern *Boro*–Jute–T. *Aman* or *Boro*/Jute–T. *Aman* or *Boro*–T. Jute–T. *Aman*
2.	Jute based four crop pattern Potato–*Pat Shak*–Jute–T. *Aman*

(c) List of Seminar/Workshop

Principal Author: ----

Co-author:

Sl. No.	Title	Year	Venue	Sponsoring Agency
1.	National Workshop under Agro-Meteorological Information Systems Development Project	20 June, 2022	KIB 3D Hall	Agromet Project
2.	Review Workshop on Crop Production Programme of NARS Institute: Research Progress 2020-21 & Research Programme, 2021-22	20-21, September, 2021	BARC Auditorium	BARC
3.	National Workshop on Farming System Research and Development in Bangladesh: Challenges, Opportunities and Way Forward	20-21 March, 2021	BARC Auditorium	BARC
4.	Review Workshop on Crop Production Programme of NARS Institute: Research Progress 2019-20 & Research Programme, 2020-21	23-24, September, 2020	BARC Auditorium	BARC
5.	Annual Review Workshop on Crop Production Programme of NARS Institute: Research Progress 2018-19 & Research Programme 2019-20	24-25, September, 2019	BARC Auditorium	BARC
6.	Crop Production Programme of NARS Institute: Research Progress 2017-18 & Research Programme 2018-19	05-06, August, 2018	BARC Auditorium	BARC

16. Research achievement

(i) No. of Technology Developed:

Sl. No.	Name of Technology Developed
1.	Development of model equation for JAF crops yield estimation through crop cut method at farm level

Sl. No.	Name of Technology Developed
2.	Development of java script language based growth model: Growth Analysis of JAF Crops
3.	Improved cropping pattern *Boro*–Jute–T. *Aman* or *Boro*/Jute–T. *Aman* or *Boro*–T. Jute–T. *Aman*
4.	Improved cropping pattern *Boro*/Jute–T. *Aman*/Mustard or *Boro*–T. Jute–T. *Aman*/Mustard
5.	Jute based four crop pattern Potato–*Pat Shak*–Jute–T. *Aman*
6.	Weed management of kenaf (*Hibiscus cannabinus*) through intercropping leafy vegetables and cultural practices
7.	Jute seed crop production in the existing vegetable production system through seedling transplanting

(ii)

a) Programme Developed

Sl. No.	Name of Programme Developed	Year (Page No.) in ARP/ARR
1	Production of late jute seed in early stages of farmer's established orchard	2018(119), 2019(133)
2	Technology transfer through BJRI Jute Villages and Jute Blocks	2018(192), 2019(127), 2021, 2022
3	Study on cost and return of jute seed crop production at farm level in different areas of Bangladesh	2019(124)
4	Study on cost and return of kenaf fibre production at farm level in different areas of Bangladesh	2019(200)
7	Performance of farmers' Alternate Cropping Pattern (ACP) *Boro* rice–Jute–T. Aman against Farmers' Cropping Pattern (FCP) *Boro* rice–Fallow–T. Aman in medium high land	2020
8	Performance of Farmers' Alternate Cropping Pattern (ACP) Maize–*Pat Shak*–Jute–Okra against existing Farmers' Cropping Pattern (FCP) Maize–Red amaranth–Brinjal in medium high land at Manikganj	2020, 2021, 2022
9	Development of kenaf containing four-cropping pattern at Char areas	2020(148-149), 2021, 2022
10	Study on cost and return of jute crop cultivation at farm level in different areas of Bangladesh	2020, 2021, 2022

b) Programme Supervised & Executed

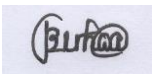
Sl. No.	Name of Programme Supervised	Year (Page No.) in ARR
1	Farmers' training and field days on improved technologies for JAF crops	2017(179), 2018(190), 2019(202), 2021
2	Technology transfer through BJRI Jute Villages and Jute Blocks	2017(180), 2018(192), 2019(204), 2020, 2021
3	Performance of farmers' alternative cropping pattern (FA) *Boro*-Jute-T. *Aman* against farmers' pattern (F) *Boro*-Fallow-T. *Aman* in medium high land	2017(183), 2018 (178), 2019 (187), 2020
4	Performance of farmers' alternative cropping pattern (FA) Mungbean/Wheat-Jute-T. *Aman* against existing farmers' pattern Fallow/Pulses–Fallow-T. *Aman* in medium high land at Patuakhali region	2017(186), 2018(182), 2019(190)
5	Jute seed crop production in the existing vegetable production system through seedling transplanting	2017(188), 2018(184), 2019(194)
6	Performance testing of cropping pattern Jute-Jute seed+ Coriander/*Lalshak*–Onion against existing Farmers' pattern Jute- T. *Aman*-Maize at Faridpur	2017(189)
7	Update study of cost and return of jute fibre crop production at farm level in different areas of Bangladesh	2017(191), 2018(185), 2019(198), 2020, 2021
8	Update study on cost and return of Kenaf fibre production at farm level in different areas of Bangladesh	2017(193), 2018(188), 2019(200), 2020, 2021
9	Popularization of different JAF crop varieties of BJRI at farmers' level	2018(195), 2019(206), 2020, 2021
10	Performance of Farmers' Alternative (FA) cropping pattern Maize–Jute–Okra–*Pat shak* against existing Farmers' (F) pattern Maize–Red amaranth–Brinjal in medium high land at Manikganj	2019(192), 2020, 2021
11	Development of jute based four-crop pattern for increasing cropping intensity and crop productivity	2019(194), 2020
12	On-farm trial of BJRI newly released variety	2019(207), 2020, 2021
13	Performance of BJRI newly released variety at farmers' level	2019(211)
14	Transfer of jute seed production technology at farmers' level	2019(213)
15	Performance of farmers' Alternate Cropping Pattern (ACP) Wheat–Jute–T. *Aman* rice against existing Farmers' Cropping Pattern (FCP) Fallow–Fallow–T. *Aman* rice in medium high land at Patuakhali	2020, 2021
16	Development of kenaf containing four-cropping pattern at Char areas	2020, 2021
17	Performance of four-crop pattern involving *Boro*–Jute–T. *Aman*–Mustard	2020, 2021

Sl. No.	Name of Programme Supervised	Year (Page No.) in ARR
18	On farm trial of jute seed production	2020, 2021
19	Study on cost and return of *tossa* jute seed crop at contract growers' level of BADC	2020,
20	Estimation of fibre yield through crop cutting of JAF crops	2020, 2021
21	Development of jute based four crops pattern against existing farmers' pattern Mustard–Fallow–Jute–T. *Aman*	2021

17. Outstanding achievement

SL. No.		Award received, supervision of M.S./Ph. D. thesis/, outstanding performance, research paper reviewed/overviewed, participation in technology and patent registered
(A)	**No.**	**Award**
	1	Dean's Award for outstanding academic achievement during the Level- 2, 3 & 4 from Sher-e-Bangla Agricultural University
(B)		**Scholarship**
	1	National Science and Technology (NST) fellowship (2014-2015) for research in Food and Agriculture during MS period
(C)		**Outstanding performance**
	1	Honorarium received for sincere activities in the field of research and administration from Bangladesh Jute Research Institute (2018, 2019, 2020 and 2023)
	2	Working as an alternate focal person under Agro-Meteorological Information Systems Development Project in Technical Committee of National Agricultural Weather
	3	Working Scientist Team member under Agro-Meteorological Information Systems Development Project
	4	Working as an alternate focal person of Joint Technical Working Group for proper implementation of Bangladesh Weather and Climate Services Regional Project
	5	Member of a technical sub-committee under Agro-Meteorological Information Systems Development Project to provide agro-meteorology related information on jute crops
	6	Member of taskforce for the development and invention of jute and allied fibre related agricultural machineries
	7	Participated as a resource person in radio talk program on jute crop
	8	**Member** of Krishibid Institution of Bangladesh and Bangabandhu Krishibid Parishad
	9.	Worked as Presiding officer both in 11th National Parliament election and Dhaka North City Corporation election

Signature of Applicant:



(**Bishwajit Kundu**)
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