

Personal Data Sheet (PDS)

Nayer Sultana

1. Name : Nayer Sultana
2. Fathers name : A.T.M. Saleh Uddin Choudhury
3. Mothers name : Nurjahan Chowdhury
4. Husbands name : Tawfiqur Rahman
5. Gender : Female
6. Present address : Apartment 401, Chandrika BAF officers quarter, Bashar Base, Dhaka.
7. Permanent address : 29, South komolapur Dhaka.
8. Date of birth : 18-08-1981.
9. Age : 41 years 4 months and 13 days on 01.01.2023
10. Educational Qualification :

Degree	Class/Grade /Division	University/ Institute/ Board	Year
Secondary School Certificate(SSC)	First Class	Motijheel Govt. Girls High School, Dhaka, Bangladesh	1997
Higher Secondary Certificate(HSC)	First Class	Holy Cross College, Dhaka, Bangladesh	1999
B.Sc in Chemical Engineering	First Class	Bangladesh University of Engineering and Technology, Dhaka, Bangladesh	2005
M.Eng. in Chemical Engineering	First Class	Beijing University of Chemical Technology, Beijing, China	2013
PhD fellow in Chemical engineering	On going	Bangladesh University of Engineering and Technology, Dhaka, Bangladesh	On going

11. Field of Specialization : (i) Jute Fiber Processing:

Development of new technologies for diversified products from jute fiber. Expansion of jute market by introducing value added jute products. Improving the quality of jute products through modifications of the fiber processing technologies.

(ii) Environmentally Sustainable Industrialization:

Combatting global climate change issues by increased usage of renewable natural raw materials as an alternative to conventional synthetic materials. Reducing raw material wastage by efficient processing, recycle and reuse.

(ii) Nanotechnology:

Nanoparticle preparation from natural resources. Porous nanoparticles for absorption applications in separation technologies. Targeted drug delivery system using Nano porous materials. Photodynamic therapy of cancer cells using silica nanoparticles.

(iii) Environment Conservation:

Working towards zero discharge industry with no air, water or soil pollution. Development of effluent treatment technologies for the jute industry. Dye removal and effluent treatment process for the tannery industry.

12. Training:

Organization		Year	Duration		Name of programme
			Mos.	Days	
1	Polash Urea Fertilizer Factory limited	2004	1		Industrial Training
2	Bangladesh Jute Research Institute	2019		1	Jute industrial Product Research and development
3	Bangladesh Jute Research Institute	2019		1	Jute Textile Product Research and development
4	Bangladesh Jute Research Institute	2019		2	Modern Office Management
5	Bangladesh Jute Research Institute	2019		1	জাতীয় শুদ্ধাচার কৌশল
6	Bangladesh Jute Research Institute	2020		1	তথ্য অধিকার আইন
7	Bangladesh Jute Research Institute	2020		2	Public Procurement Procedures (goods, works and services)
8	Bangladesh Jute Research Institute	2021		1	Annual Performance Agreement (APA)
9	Bangladesh Jute Research Institute	2021		1	e-Nothi
10	Bangladesh Jute Research Institute	2021		1	আয়কর রিটার্ন দাখিল
11	Bangladesh Jute Research Institute	2021		1	অভিযোগ গ্রহন ও নিষ্পত্তিকরন
12	Bangladesh Jute Research Institute	2022		1	সেবা প্রদান প্রতিশ্রুতি
13	Bangladesh Jute Research Institute	2022		1	ই-গভর্নেন্স ও উদ্ভাবন কর্মপরিকল্পনা বাস্তবায়ন

13. Experience:

Position	Place	Period		
		From	To	Total Yrs./Mo
Scientific Officer (SO)	BJRI Headquarter, Dhaka	26-12-2005	8-01 -2017	11 years 13days
Senior Scientific Officer (SSO)	BJRI Headquarter, Dhaka	09-01 -2017	To date	6 years 1month

14. Publication:

- (i) Full scientific paper as principal author : 3
(ii) Full scientific paper as principal author : 9
(iii) Popular article/Monographs/Buletin : 2
(iv) Seminar papers/Workshop Proceedings : 1

15. Research achievement:

- (i) **No. of Technology Developed: 4**
(ii) **(ii) No. of Research Programme: (SO to SSO)**

a.	Developed	:	10
b.	Supervised	:	0
c.	Executed	:	10

16. Outstanding achievement:

- Strengthening of Industrial Technology development through bilateral communication with jute industry.
- Preparation of reports and presentations on Bangladesh Jute Industry for publication in home and abroad
- Participated in jute product promotion activities through exhibitions, workshops and fairs.
- Participated in FAO regional conference for Asia and the Pacific (APRC)
- Served as committee member for the development of DPP for research and infrastructure enhancement Mega project of BJRI.
- Served as committee member for the development of Research vision 2041 of BJRI.
- Served as member of the citizen charter inspection committee of BJRI.
- Participated in Sensitization workshop organized by External Review Panel.
- Served as an organizing committee member of the 27th TRC meeting.
- Served as a member in the compilation committee for the Annual Technical Programme and Annual Technical Report for the year 2005-2006, 2006-2007



Date: 06--02-2023

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