

### Bio-data of Tahnin Bintay Kamal

1.	<b>Name</b>	: <b>TAHNIN BINTAY KAMAL</b>
2.	Father's name	: A.K.M. Mostafa Kamal
3.	Mother's name	: Rezina Sultana
4.	Husband's name (if applicable)	: Nazmul Islam Bhuiyan
5.	Gender	: Female
6.	Designation	: Senior Scientific Officer (SSO)
7.	Institution	: Bangladesh Jute Research Institute
8.	Date of joining in the present Position	: 18-10-2021
9.	Date of first joining in service	: 01-07-2014
10.	Date of birth and age	: 04-09-1989,
11.	Educational Qualification	:

Degree/Diploma/ Certificate	Class/Grade/ Division	University/Institute/Board	Year
S.S.C.	5.00 out of 5.00	Dhaka Board (Netrokona Govt. Girls' high school)	2005
H.S.C.	4.80 out of 5.00	Dhaka Board (Govt. Netrokona College)	2007
B. Sc. in Textile Engineering	3.30 out of 4.00	Bangladesh University of Textiles	2011 (held in 2013)
M.Sc. in Textile Engineering	On going	Daffodil International University	Session 2020-2021

12. Field of Specialization: Textile Engineering and Technology (Fabric Manufacturing).

13. Training:

**a) In Country:**

Organization	Year	Duration		Name of Programme
		Mos.	Days	
Graduate Training Institute, Bangladesh Agricultural University, Mymensingh	2014	0	13	Research Methodology
Central Procurement Technical Unit(CPTU), Implementation Monitoring	2017	0	3	National e-Government Procurement (e-GP) Portal as Procuring Entity (PE) User

and Evaluation Division (IMED), Ministry of Planning				
“Development and Dissemination of Agricultural Technologies of Jute and Allied Fiber Crops” Project, BJRI	2018	0	3	Technical Report Writing and Editing
“Development and Dissemination of Agricultural Technologies of Jute and Allied Fiber Crops” Project, BJRI	2018	0	3	Development Communication in Agriculture
“Development and Dissemination of Agricultural Technologies of Jute and Allied Fiber Crops” Project, BJRI	2018	0	3	Research Methodology
KGF,National Agriculture Training Academy	2018	4	0	N-25 <sup>th</sup> Foundation Course for NARS Scientists
Bangladesh Jute Research Institute	2019	0	2	Innovation in Public Service
Bangladesh Jute Research Institute	2019	0	1	Implementation of National Integrity Strategy
Bangladesh Jute Research Institute	2019	0	2	Quality control of Jute goods
Bangladesh Jute Research Institute	2019	0	1	Jute industrial product research and development
Bangladesh Jute Research Institute	2019	0	1	Jute textile product research and development
Bangladesh Jute Research Institute	2020	0	1	Right of information
Bangladesh Jute Research Institute	2020	0	2	Modern Office Management
Bangladesh Jute Research Institute	2020	0	2	Innovation in Public Service
Central Procurement Technical Unit(CPTU), Implementation Monitoring and Evaluation Division (IMED), Ministry of Planning	2022	0	5	National e-Government Procurement (e-GP) System as Procuring Entity (PE) User
Bangladesh Jute Research Institute	2022	0	1	Citizen Charters

Bangladesh Jute Research Institute	2022	0	1	Implementation of e-Governance and Innovation Action Plan
Institute of Appropriate Technology, Bangladesh University of Engineering and Technology, Dhaka	2022	0	1	Development of Competitive Business Plan with Modern Technologies in the Era of IR 4.0 to Enhance Productivity of Light Engineering Sector
Bangladesh Jute Research Institute	2022	0	1	Office management and skill development
Institute of Appropriate Technology, Bangladesh University of Engineering and Technology, Dhaka	2022	0	1	3D Printing Revolution in Light Engineering Sector

b) Abroad: Nill

14. Experience:

Position	Period		
	From	To	Total (Year/Months)
SO	01-07-2014	17-10-2021	07years 3 months 16days
SSO	18-10-2021	Till now	

#### List of Research Programme developed/supervised/executed:

1. Conversion of the jute spool winding machine from wooden spool to paper spool system. ATP (2014-2015). **Developed& Executed**
2. Repair the spreader machine with its mechanical spare parts and its operation. ATP (2016-2017). **Developed& Executed**
3. Improvement of hessian spinning frame by using a blower fan. ATP(2018-2019) **Developed**
4. Studies on the sustainable properties (water usage and energy absorption) of jute material from fiber to yarn production. ATP(2017-2018) **Supervised**

## **List of Publications of Tahnin Bintay Kamal, S SO:**

**Total Publications: 11 (Eleven)**

**Principal Author: 02 (Two)**

**Co- Author: 09 (Nine)**

**Number of full papers in National& International Journal as Principal author: 02 (Two)**

1. “Study on the problems in benarasisaree production and ways to overcome them”  
Volume 12, issue 1, December 2018,Journal of Innovation and Development Strategy,  
ISSN 1997-2571.
2. “Conversion of the jute spool winding machine from wooden spool to paper spool  
system” Volume 7, issue 3, May 2020, International journal of engineering and  
technology, ISSN 2308-4707.

**Number of full papers in National& International Journal as Co- Author: 09 (Nine)**

1. “Development and Characterization of Knit Fabric from Jute Fibre.”  
5(10), 392-396, October, 2020; Saudi Journal of Engineering and Technology  
ISSN 2415-6272(Print) ISSN 2415-6264(Online).
2. “Comparative studies of electrical resistance in woven and non-wovenjute fabrics at  
different input voltage.” Australian Journal of Engineering and Innovative Technology  
2(6); 106-112. September 2011, ISSN 2663-7804 (Online) & 2663-7790 (Print).
3. “Influence of Potential Differential Voltage on Electric Resistance of  
Needle Punched Non-Woven Jute Fabrics.”Australian Journal of Engineering and  
Innovative Technology 2(1); 1-6. 2020, ISSN 2663-7804 (Online) & 2663-7790 (Print).
4. “Decolorization and Degradation of Reactive Blue Dye Used in Jute and  
Textile Industries by a Newly Isolated *Bacillus* sp.”American Journal of Pure and  
Applied Biosciences 2(5), 167-176, ISSN: 2663-6913 (Online) & 2663-6905 (Print).
5. “Fourier Transform Infrared Spectroscopic Analyses of Argon and Oxygen Plasma  
Treated Jute.” Volume-5, Issue-7, July 2018, International Journal of Engineering and  
Applied Sciences (IJEAS), ISSN: 2394-3661.
6. “Scanning Electron Microscopy Analysis of ArgonPlasma Treated Jute Fibre.”Volume-5,  
Issue-7, July 2018, International Journal of Engineering and Applied Sciences (IJEAS),  
ISSN: 2394-3661.

7. "Conservation Tillage: Approach of Jute cultivation." Volume 7, Issue 1, January 2020, International Journal of Research and Analytical Reviews, E-ISSN 2348-1269, P- ISSN 2349-5138.
8. "Study on the Development of Jute Mellange Yarn."Volume 7, issue 4, July 2020, International journal of engineering and technology, ISSN 2308-4707.
9. "Dyeing of Cotton-Jute-Pineapple Blended Fabric with Reactive Dyes." Volume 7, issue 6, November 2020, International journal of engineering and technology, ISSN 2308-4707.

**List of books published in University Campus, Publisher and Seller as Co-author: Nil**

**National/International seminar/workshop/conference: 01 (One)**

1. "Development of Data Base for  $CO_2$  Emission for Jute Material in Industries"  
International Conference on Physics-2020, 5-7 March, 2020

**Membership of Professional Societies:**

Member: The Institutions of Textile Engineers & Technology (ITET).