

1. Name : S. M. MAHRUF HOSSAIN
2. Father's name : Mohmmad Shamsul Hoque
3. Mother's name : Mrs Suriya Akter
4. Husband's name (if applicable) : Not applicable
5. Gender : Male
6. Designation : Senior Scientific Officer
7. Institution : Bangladesh Jute Research Institute
8. Date of joining in the present position : 13-08-2020
9. Date of first joining in service : 04-08-2011
10. Date of birth : 15-01-1982,

11. Educational Qualification:			
Degree/Diploma Certificate	Class/Grade/Division	University/Institute/Board	Year
S.S.C.	First Division	Sarishabari R U T High School	1997
H.S.C.	First Division	Sarishabari R U T Collage	1999
B. Sc.( Hons)	3.02(Out of 4)	University of Chittagong	2004
M.S. in Chemistry	3.44(Out of 4)	University of Chittagong	2005

**12. Field of Specialization:** Industrial Chemistry (Chemical analysis of jute),Fiber Chemistery

13. Training:  
In Country

Sl no	Organization	Year	Duration		Name of programme
			Mos.	Days	
01	National Agriculture Training Academy (NATA)	2022		05	ToT on Teaching Methods/Techniques
02	National Agriculture Training Academy (NATA)	2022		05	Innovation in Public Service Delivery
03	Bangladesh Jute Research Institute (BJRI)	2022		01	অফিস ব্যবস্থাপনা ও দক্ষতার উন্নয়ন
04	Bangladesh Jute Research Institute (BJRI)	2022		01	ই-গভর্নেন্স উদ্ভাবন কর্মপরিকল্পনা বাস্তবায়ন
05	Bangladesh Jute Research Institute (BJRI)	2022		01	সেবা প্রদান প্রতিশ্রুতি
06	National Agriculture Training Academy (NATA)	2022		15	Advanced ICT
07	National Agriculture Training Academy (NATA)	2021		12	Public Procurement Procedure
08	Bangladesh Jute Research Institute (BJRI)	2021		01	e-Nothi
09	Bangladesh Jute Research Institute (BJRI)	2021		01	Annual Performance Agreement(APA)
10	Bangladesh Jute Research Institute (BJRI)	2020		01	Public Procurement Procedure(Goods,Works& Service)
11	Bangladesh Jute Research Institute (BJRI)	2020		01	Modern Office Management
12	Bangladesh Jute Research Institute (BJRI)	2019		01	Jatio shuddahchar Kaushol.
13	Bangladesh Jute Research Institute (BJRI)	2019		03	Innovation in Public Service.
14	Bangladesh Jute Research	2019		02	Quality Control on Jute Goods.

	Institute (BJRI)				
15	Bangladesh Jute Research Institute (BJRI)	2019		01	Jute Industrial Product Research & Development.
16	Bangladesh Jute Research Institute (BJRI)	2019		01	Jute Textile Product Research & Development.
17	National Agriculture Training Academy (NATA)	2018		120	N-25 <sup>th</sup> Foundation Training Course for NARS Scientists
18	Bangladesh Jute Research Institute (BJRI)	2018		03	Data Analysis by Micro-computer
19	Bangladesh Jute Research Institute (BJRI)	2018		03	Agricultural Project Management
20	Bangladesh Jute Research Institute (BJRI)	2018		03	Development Communication in Agriculture
21	Bangladesh Jute Research Institute (BJRI)	2018		03	Technical Report Writing and Editing
22	Bangladesh Jute Research Institute (BJRI)	2018		03	Administrative and Financial Management
23	Bangladesh Jute Research Institute (BJRI)	2017		03	Training of Trainers for the Dissemination of Industrial Technologies on Jute
24	Bangladesh Jute Research Institute (BJRI)	2017		03	Procurement of goods, Works and Services
25	Graduate Training Institute (GTI), Mymensingh	2014		13	Research Methodology
26	Bangladesh Jute Research Institute (BJRI)	2011		07	Orientation Programme on Research Management of jute and Jute Products

b)Abroad: Nil

**14. Experience:** Around 12(Twelve) years research experience.

Position	Period		
	From	To	Total ( Yr./Month)
Senior Scientific Officer (BJRI)	13/08/2020	Till now	
Scientific Officer(BJRI)	04/08/2011	12/08/2020	09 years 00 months 07 days

14. Publication:

List of all publications are given in Annexure-1

(a)	Scientific journals	No. of publication
	Full paper	11
	(a) Paper Revised Reported International Journal	
	Principal author	-
	Co-author	6
	(b) Other International & National Journal	
	Principal Author	1
	Co-author	4
(ii)	Short Communication	1

	Principal Author	0
	Co-author	1
(ii)	Abstract	4
	Principal Author	2
	Co-author	2
(b)	Books/Monographs/Bulletins/Journals	-
(i)	Books	
	Principal Author	-
	Co-author	
(ii)	Monographs	
	Principal Author	-
	Co-author	
(iii)	Bulletins	
	Principal Author	-
	Co-author	
(c)	Seminar/Workshop/Symposium Proceedings	
(i)	International	
	Principal Author	-
	Co-author	
(ii)	National	
	Principal Author	-
	Co-author	

**15. Research achievements : (Attachment-2)**

No. of Technology Developed:

(ii) No. of Research Programme: 13

Developed: 12

Supervised: 00

Executed: 01

**16. Outstanding achievement : Nil**

List of Research Programme developed/supervised/executed: (Attachment -2)

1. Studies on the various chemically modified jute fiber and blended with other natural and synthetic fiber wider textile use. Developed (ATP 2012-2013), Page: 42.
2. Studies on the various chemically (Sulfonation and Etherification) modified jute fiber and blended with other natural and synthetic fiber widely textile use. Developed (ATP 2013-2014,) Page:40.
3. To investigate jute and allied fibrous materials as industrial raw materials to prepare chemical derivatives, pulps and non-woven products. Developed (ATP 2013-2014)page:38
4. Radiation induced improvement of jute materials. Developed (ATP 2013-2014), Page:35
5. Studies on the physic-chemical properties of different chemically modified jute fiber and blended with other natural and synthetic fiber for making fashionable clothes for widely uses of textile products. Developed (ATP 2014-2015), Page: 31.
6. To investigate jute and allied fibrous materials as industrial raw materials to prepare chemical derivatives, pulps and non-woven products. Developed (ATP 2014-2015)page:29
7. Investigation of the physico-chemical properties of jute fibre (O-9897) of optimum growth age
8. of ascertain for spinning with lower amount of JBO treatment. Executed (ATP 2014-2015), Page: 32.
9. Radiation induced improvement of jute materials. Developed (ATP 2014-2015), Page:26

10. Studies on the physic-chemical properties of different chemically modified jute fiber and blended with other natural and synthetic fiber for making fashionable clothes for widely uses of textile products. Developed (ATP 2016-2017), Page:33
11. To investigate jute and allied fibrous materials as industrial raw materials to prepare chemical derivatives, pulps and non-woven products. Developed (ATP 2016-2017), Page:36
12. Radiation induced improvement of jute materials. Developed (ATP 2016-2017), Page:31
13. To investigate jute and allied fibrous materials as industrial raw materials to prepare chemical derivatives, pulps and non-woven products. Developed (ATP 2018-2019), Page:38
14. To investigate the chemical and physical properties of charcoal and activated carbon for various applications in several fields. Developed (ATP 2018-2019), Page:36

List of Publications Total- 07 (Annexure-1)

Number of full papers in International Journal as Co-author: 06

1. “Fourier Transform Infrared Spectroscopic Analyses of Argon and Oxygen Plasma Treated Jute” Journal Of IJEAS ISSN: 2394-3661, Volume-5, Issue-7, July 2018, Page 05-08.
2. “ Scanning Electron Microscopy Analysis of Argon Plasma Treated Jute Fiber”, Journal Of (IJEAS) ISSN: 2394-3661, Volume-5, Issue-7, July 2018, Page 09-11.
3. Influence of Low Temperature Argon and Oxygen Plasma Treatment On The Band-Gap of Jute. Journal Of IJEAS ISSN: 2394-3661, Volume-5, Issue-3, March 2018, Page 79-82.
4. Production of Fabrics with Etherified Jute Blended Yarns
5. Microcrystalline Cellulose from Jute Fiber: A Bright Prospect for Pharmaceutical Industry
6. Production of High Yield Pulp and Paper from Jute Fibre in Bangladesh: A Comparison with Other Crop Residues

Number of full papers in National Journal as Principal Author: 01

1. “Blended Etherified Jute Fiber With Other Natural and Synthetic Fiber For Wide Textile Uses” Journal of IJET: ISSN 2308-4707, Volume: 6, Issue 1, January 2019, Page 01-04..

Number of full papers in National Journal as Co author: 04

1. “Effect of Optical Brightening Agent on Different Types of Fabrics.” Journal of DIUST, ISSN 1818-878, volume: 9, Issue 2, July 2014, Page 37-41.
2. “Study The Assessment of Physico-Chemical Properties of A Newly Released Corchorus Olitorius Jute Variety 0-72.” Journal Of IJSAT, ISSN 1815-1272, Volume:12, Issue 3 March-2016, Page 01-04.
3. “Study on Blending Effect of Cotton with Viscose for Increasing Yarn Properties” DIU Journal of Science and Technology Volume-13, ISSUE-1, November 2018

4. Measurement of Reflective Indices of Alicyclic Cyclohexane Containing Aromatic Hydrocarbons with Increasing Methyl Group as a Side Chain 303.15 and 323.15 K and Ambient Pressure.

Number of Short Communication in National Journal as Co-author: 01

- 1 “Spinning Combination With Cotton and Jute/Wood Cell Using Ring Frame.” ISSN-2076-3972(online) Inst. Engg. Tech 3(1):11-12 (December 2013). Page-11-12.

Number of Abstract in National Conference as Principal Author:02

1. “Photocatalytic Degradation of Volatile Organic Compounds from Indoor Environment using TiO<sub>2</sub> & LiNbO<sub>3</sub> Coated on Concrete Surface.”
2. “Cytotoxicity of Silver Nanoparticles: A brief review of in Vitro Studies.”

Number of Abstract in National Conference as Co-Author:02.

1. “Blending of the Chemically Modified Jute Fiber with other Fibers for Diversified use of Textile Sector.”
2. “The Dissociation Constant of Benzoic acid in water and 1-prOH-water mixtures at 25,30,35 and 40°C.”

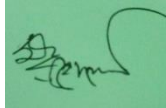
Other relevant activities:

1. Successfully participated in the 36<sup>th</sup> Annual Conference on Chemistry for Food Security, Organized by Bangladesh Chemical Society 01 March 2014 HSTU, Dinajpur 5200 Bangladesh.
2. Successfully Participated in the 37<sup>th</sup> Annual Conference on Chemistry for green Living, Organized by Bangladesh Chemical Society, 11April 2015 Comiila University Comiila-3506 Bangladesh.
3. Successfully participated in the 16<sup>th</sup> Asian Chemical Congress on Chemistry for Humanity, Organized by Bangladesh Chemical Society and Federation of Asian Chemical Congress March 16-19,2016 BUET Dhaka.
4. Successfully participated in the 37<sup>th</sup> Annual Conference on Chemistry for Food Safety, Organized by Bangladesh Chemical Society and Bangladesh Chemical Society, Chittagong Region 31 March 2017 Port Auditorium Chittagong Port Authority Bangladesh.
5. Working as Compiled and Editor at Annual Technical Committee.
6. Successfully completed all the Office Order.



Membership of Professional Societies:

Life Member (LM-1790): Bangladesh Chemical Society, Dhaka, Bangladesh



19/02/2023

Signature

Address:

Chemistry Division

Bangladesh Jute Research Institute

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