

CURRICULUM VITAE

OF
Dr. Engr. A.K.M.Mahabubuzzaman



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| 1. Name | Dr. A.K.M. Mahabubuzzaman |
| 2. Father's name | Md. Siraj Uddin |
| 3. Mother's name | Mamtaj Begum |
| 4. Husband's name (If Applicable) | N/A |
| 5. Gender | Male |
| 6. Present Address | CSO (RW), Mechanical Processing Division,
Bangladesh Jute Research Institute, Manik
Mia Avenue, Dhaka-1207.
Phone:48122369 (O) |
| 7. Permanent Address | House # 181, West Brahmandi, Narshingdi
Sadar, Narshingdi. |
| 8. Date of Birth | 01-01-1971 |
| 9. Educational Qualification | |

Degree/Diploma/ Certificate	Class/Grade/ Division	University/Institute/ Board	Year
S.S.C.	1 st	Dhaka	1986
H.S.C.	1 st	Dhaka	1988
B.Sc. in Textile Technology	1 st Class	Dhaka University	1992(Held in 1994)
MBA	3.313 out of 4	Asian University of Bangladesh	2002
Ph.D.	Awarded	Jahangirnagar University	2007

10. Field of Specialization: Mechanical Processing of jute for diversified use.

11. Training:

a) In Country:

Organization	Year	Duration		Name of programme
		Mos	Days	
Bangladesh Jute Research Institute	2020	-	2	Service Process Simplification
Bangladesh Jute Research Institute	2020	-	1	evwl©K †Mvcbxq cÖwZ†e`b (GwmAvi) wjLb l wbqgvejx

Bangladesh Jute Research Institute	2020	-	1	₳UKmB Dbœeqb Afx÷ (GmwWwR)
Bangladesh Jute Research Institute	2020	-	2	Public Procurement Procedures (Goods, Works & Services)
Bangladesh Jute Research Institute	2020	-	1	Z_'' AwaKvi AvBb
Bangladesh Jute Research Institute	2019	-	1	e-Filing
Bangladesh Agriculture Research Council	2020	-	5	Monitoring and Evaluation in Project Management
Bangladesh Jute Research Institute	2019	-	1	Sustainable Development Goal
Bangladesh Jute Research Institute	2018	-	3	Agricultural Project Management
Bangladesh Jute Research Institute	2018	-	2	Project Appraisal Study
Ministry of Planning	2017	-	3	Procuring Entity (PE)
NITUB	2013	-	6	Maintenance and troubleshooting of HPLC
Traidcraft	2011	5	-	Business coaching
Traidcraft	2011		5	Product development and designing.
Traidcraft	2012	-	2	Quality assurance
Traidcraft	2011	-	4	Dyeing of jute and jute products
Traidcraft	2011	-	5	Business coaching and sustainable services
The International Jute Study Group	2010	-	4	Spinning
Bangladesh Computer Council	2008	2	15	Computer Hardware Maintenance & troubleshooting
Bangladesh Academy for Rural Development in Cotbari, Comilla	2000	3	15	Foundation Training
Ciba-Geigy Bangladesh Ltd.	1996	1	15	Trainee Technologist
Asia Invest	2002	0	9	Jute and Jute blends with flax & wool for its diversification
Bangladesh Academy for Rural Development in Cotbari, Comilla	2006	0	6	Entrepreneurship Development
BUET, Dhaka	2006	0	5	Productivity Management in Engineering Industries

(b) Abroad: Not applicable

Country	Year	Duration		Name of programme
		Mos	Days	

12. Experience:

Position	Period		
	From	To	Total (Yr./Mo.)
SO	30.06.1996	22.09.2004	8 years 3 months
SSO	23.09.2004	23.01.2008	3 years 3 months 28 days
PSO (A/C)	24.01.2008	24.08.2009	1 year 7 months
SSO	25.08.2009	20.12.2009	3 months 25 days
PSO (CC)	21.12.2009	23.11.2015	5 years 11 months 02 days

PSO	24.11.2015	03.01.2021	5 years 01 months 09 days
CSO (RW)	04.01.2021	Till to date	

13. Publication

(a)	Scientific journal	No. of publication
	(i) Full paper	52 (Fifty-two)
	a) Paper Published in the Reported International Journal	36 (Thirty-six)
	Principal author	19
	Co-author	17
	b) Other International & National Journal	16 (Sixteen)
	Principal author	05
	Co-author	11
	(ii) Short Communication	12
	Principal author	11
	Co- author	01
(b)	Books/Monographs/Bulletins	
	(i) Books	04
	Principal author	04
	Co-author	0
	(ii) Monographs	03
	Principal author	0
	Co-author	03
	(iii) Bulletins	02
	Principal Author	02
	Co-authors	0
(c)	<u>Seminar/Workshop/Symposium/Proceedings</u>	26 (Twenty-six)
	International/National	
	Principal author	05
	Co-author	21

14. Research achievements:

- (i) No of technology developed: 08
- (ii) No. of Research Programme
 - a) Developed: 26
 - b) Supervised: 20
 - (c) Executed: 20

15. Outstanding achievement:

- a) Award received: 06
- b) Supervision of MS thesis: 11
- c) Supervision of PhD thesis: 04
- d) Patent registered: 05

Dr. Engr. A.K.M. Mahabubzaman

Address: Chief Scientific Officer (Routine Work)

Mechanical Processing Division,

Bangladesh Jute Research Institute,

Manik Mia Avenue, Dhaka-1207.

http://www.bjri.gov.bd/site/view/officer_list/Officers-List

<https://scholar.google.com/citations?user=Mur9ct8AAAAJ&hl=en>

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**Publications of Dr. A.K.M. Mahabubuzzaman, Chief Scientific Officer (RW)
Mechanical Processing Division, BJRI**

**Total number of publications: 52, Short communications: 12, Books:04,
Monographs:03, Leaflets: 02 and Seminar: 26**

List of publications:

(a) Scientific Journal:

(i) Full Paper

(a) Paper Published in the Reputed International Journal:		
Sl. No	Type	Publication Description
1.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , M.O.G. Miazi, M. Maniruzzaman, M.D. Hossain and M. Alam. 2018. "A study on smell free and economic jute processing oil (VERDURE) for jute spinning industry." Journal of Innovation & Development Strategy, Canada 12(1):23-25 (December 2018)
2.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Mohammad Abdul Jalil, M.A. Shahid, Mohammad Maniruzzaman, and Mohammad Abdul Salam Khan. 2009. "Spinnability study of white jute grown-up in dissimilar region of Bangladesh." Journal of Innovation & Development Strategy, Canada 3(4): 9-13, 2009.
3.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , M.O.G. Miazi, M. Maniruzzaman, M.D. Hossain and AKM M. Alam. 2008. "Study of different feeding system in breaker card on jute yarn quality." ATA Journal for Asia on Textile & Apparel. 32-33, Dec 2007/Jan 2008.
4.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Osman Ghani Miazi, Dilder Hossain, Engr. Ayub Nabi Khan. 2007. "Effect of Flyer speed on jute yarn in Slip Draft Spinning Frame." ATA Journal for Asia on Textile & Apparel. 34-35,71; Feb./Mar 2007.
5.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, M. Dilder Hossain, M.A. Rashid Sarker, Md. Ayub Nabi Khan. 2007. "A Study on The Quality of Blended Jute Yarn Through Two Different Process Line." Journal of Textile and Apparel, Technology and Management, USA Vol 5 Issue 4, 1-5, Fall 2007.
6.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Latifa Binte Lutfar, Md. Asaduzzaman, Md. Osman Ghani Miazi, F.A. Dilruba and Zakaria Ahmed. 2003. "Study on the Quality of Gardella Fine Yarn in Comparison to Modified Ring Spinning Frame Fine Yarn." Pakistan Journal of Biological Sciences 6(1): 76-77, 2003.
7.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Latifa Binte Lutfar, M.K. Kabir and Nazmina Chowdhury. 2002. "Study of the Effect of Speed Variation at Breaker Card Cylinder on Fibre length and Yarn Quality. Asian journal of Plant Sciences Vol. 1 No. 6, 648-649, 2002.
8.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Latifa Binte Lutfar, M.A. Kabir and Zakaria Ahmed. 2002. "A Comparative study on the Quality Control of Jute Yarn- Conventional Drawing Method vs Modern Drawing Method." Asian journal of plant Sciences Vol. 1 No. 6, 646-647, 2002.
9.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Latifa Binte Lutfar, Md. Asaduzzaman, F.A. Dilruba and Zakaria Ahmed. 2003. "Comparative Study on the effect of Jute Seed Oil Emulsions with that of Conventional Emulsions Using Mineral oil on Yarn quality in Jute Processing." Pakistan Journal of Biological Sciences 6 (1): 78-79, 2003.
10.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi and Ayub Nabi Khan. 2009. "Effect of flyer speed on yarn breakages in production of jute yarn." Daffodil International University Journal of Science and Technology, Volume 4, Issue 2, 23-27, July 2009
11.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, Latifa Binte Lutfar, Md. Kamal Uddin and Md. Muslem Uddin, 2004. "Comparative study on the effect of vegetable jute batching oil emulsion using monident B-oil with that of

		conventional emulsion using mineral oil on yarn quality in jute processing.” Bangladesh J.Jute Fib. Res., 25(1- 4): 37-42, 2004-2005.
12.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, Md. Kamal Uddin, Latifa Binte Lutfar and Minhajj Uddin Jubayer, 2006. “Effect of Spindle speed on twist and strength of all jute yarn in modified apron draft ring spinning frame.” Bangladesh J.Jute Fib. Res., 26(1- 2): 39-44, 2006.
13.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Kamal Uddin, Md. Osman Ghani Miazi, M. A. Quashem and Md. Mazedul Kabir, 2006. “Production of Jute-Flax blended yarn using Gardella Spinning Machine.” Bangladesh J.Jute Fib. Res., 26(1- 2): 65-69, 2006.
14.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi and M. Dilder Hossain, 2007. “Determination The Effect of Delivery Speed Variation of Breaker Card Cylinder on Yarn Quality.” Bangladesh J.Jute Fib. Res., 27(2): 15-19, 2007.
15.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, Md. Masroor Anwer, Mohammad Maniruzzaman and A.K.M. Fazlul Haque, 2007. “A Comparative Study on the Quality of Blended Jute Yarn–Conventional Blending Method Vs Blending with Hopper Feeder and Teaser Card with Staple Form Jute Fibre.” Bangladesh J.Jute Fib. Res., 27(1): 77-82, 2007.
16.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, Ayub Nabi Khan and M. Dilder Hossain, 2007. “Determination of the draft setting of three Drawing frames for all jute yarn.” Bangladesh J.Jute Fib. Res., 27(2): 39-45, 2007.
17.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, and M. Dilder Hossain, 2008. “Effect of delivery speeds of finisher card cylinder on jute yarn.” Bangladesh J. Jute Fib. Res. 2008,28(2): 25-29
18.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, and Sweety Shahinur, 2008. Study on draft setting of drawing frames for blended jute yarn. Bangladesh J. Jute Fib. Res. 2008,28(1): 51-56
19.	Full Scientific Paper Principal author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi and Ayub Nabi Khan, M. A. Rashid Sarkar. 2008. “Effect of Blending Jute with Cotton to Produce Fine Yarn in Rotor Spinning.” Daffodil International University Journal of Science and Technology, Volume 3, Issue 2, 46-50, July 2008.
20.	Full Scientific Paper Co-author	M. Maniruzzaman, A.K.M. Mahabubuzzaman , M.O.G. Miazi, and AKM Alam, 2018. “Effect of conditioning on processing and properties of jute fibre and yarn.” Journal of Innovation & Development Strategy, Canada 12(1):17-22 (December 2018)
21.	Full Scientific Paper Co-author	M.N. Ehsan and A.K.M. Mahabubuzzaman . 2011. “A Benchmarking Study: World Volumes in Online-Fashion-Retailing and Main Players.” Journal of Innovation & Development Strategy, Canada 5(1): 09-16, April 2011.
22.	Full Scientific Paper Co-author	A. B. Siddiquee, M.A. Al Mamun, M. Bashar and A.K.M. Mahabubuzzaman , 2010. “Effect of dosing and run time (in respect to cycle time) on the levelness performance of knit dyed fabric.” Journal of Innovation & Development Strategy, Canada 4(2): 6-10, 2010.
23.	Full Scientific Paper Co-author	Ayub Nabi Khan, Mohammad Rubaiyat Chowdhury and A.K.M. Mahabubuzzaman , 2009. “Effect of Spun Yarn Quality with increasing Spindle Speed of Spinning Machine.” Bangladesh J.Jute Fib. Res., 29 (1-2): 19-23, 2009
24.	Full Scientific Paper Co-author	Md. Abu Bakar Siddiquee, Mohammad Abdul Jalil, A.K.M. Mahabubuzzaman and H.M. Zakir Hossain, 2009. “Effect of Dyeing Parameters on Dyeing Knitted Fabrics with Remazol Dye.” Bangladesh J.Jute Fib. Res., 29(1-2): 59-62, 2009
25.	Full Scientific Paper Co-author	M. Osman Ghani Miazi, A.K.M. Mahabubuzzaman , Mohammad Maniruzzaman, Mohammad Abdul Jalil, and M. Abdus Shahid. 2009. “Effect of twist on productivity of fine jute yarn produced by modified ring-spinning

		machine.” Journal of Innovation & Development Strategy, Canada 3(4): 14-16, 2009.
26.	Full Scientific Paper Co-author	Chowdhury Jony Moin and A.K.M. Mahabubuzzaman , 2009. “Process for level dyeing of 100% cotton knit fabrics with reactive dye.” Journal of Innovation & Development Strategy, Canada 3(4): 1-8, 2009.
27.	Full Scientific Paper Co-author	Md. Moslem Uddin, Md. Asaduzzaman, Nazmina Chowdhury, A.K.M. Mahabubuzzaman and M.S. Hasan, 2007. “Productivity improvement of a spinning mill.” Bangladesh J.Jute Fib. Res., 28(2): 17-24, 2008.
28.	Full Scientific Paper Co-author	Mamunur Rashid, Zahed U.M. Khan, A.K.M. Mahabubuzzaman , Sk. A. Hasib and S.M. Golam Kabir, 2008. “Isolation and Characterization of Thermophilic Fungi having Xylanase Activity.” Bangladesh J.Jute Fib. Res., 28(2): 09-16, 2008.
29.	Full Scientific Paper Co-author	Md. Abdul Jalil, Md. Abu Bakar Siddiquee, A.K.M. Mahabubuzzaman , and H.M. Zakir Hossain, 2008. “Comparative study on the spinnability of Bangladeshi and Pakistani cotton in Rotor spinning system.” Bangladesh J.Jute Fib. Res., 28(2): 55-60, 2008
30.	Full Scientific Paper Co-author	Md. Moslem Uddin, Nazmina Chowdhury, Md. Osman Ghani Miazi, Md. Mihajjuddin Jubayer and A.K.M. Mahabubuzzaman , 2008. “The effect of sliver preparation on rotor spun yarn properties.” Bangladesh J.Jute Fib. Res., 28(1): 19-22, 2008
31.	Full Scientific Paper Co-author	Md. Abdus Shahid, A.K.M. Mahabubuzzaman , and Ayub Nabi Khan, 2008. “The Effect of Shore Hardness of Top Roller Cot, Cot Grinding, Apron Wash and Spacer Size on Yarn Quality.” Bangladesh J.Jute Fib. Res., 28(1): 43-49, 2008
32.	Full Scientific Paper Co-author	Md. Masroor Anwer, Latifa Quadir, Md. Shahidullah, A.K.M. Mahabubuzzaman and Md. Abdul Majid Molla, 2007. “Studies on the optical properties of Raw, Mercerized and Bleached Jute Fibre by Spectrophotometer.” Bangladesh J.Jute Fib. Res., 27(1): 15-22, 2007
33.	Full Scientific Paper Co-author	Md. Masroor Anwer, Md. Osman Ghani Miazi, Md. Mujibur Rahman, A.K.M. Mahabubuzzaman and Md. Abdul Majid Molla, 2007. “Studies on the breakdown voltages of raw, mercerized and bleached Jute fibres.” Bangladesh J.Jute Fib. Res., 27(1): 23-29, 2007.
34.	Full Scientific Paper Co-author	M. A. Shahid, F. Ahmed, A.K.M. Mahabubuzzaman , M. A. Hannan and A.N. Khan, 2010. “Spirality in cotton knit fabrics before and after compacting using selected yarn count and stitch length.” Journal of Innovation & Development Strategy, Canada 4(2): 11-17, 2010.
35.	Full Scientific Paper Co-author	Md. Osman Ghani Miazi, Md. Kamal Uddin, A.K.M. Mahabubuzzaman and M.A. Quashem, 2006. “Study of the performance and yarn quality of Modified Apron Draft Ring Spinning Machine.” Bangladesh J.Jute Fib. Res., 26(1- 2): 45-50, 2006.
36.	Full Scientific Paper Co-author	Md. Osman Ghani Miazi, A.K.M. Mahabubuzzaman , Md. Kamal Uddin, Md. Abul Quashem and Md. Mazedul Kabir. 2006. A study of productivity of Modified Hessian Spinning Frame. Bangladesh J.Jute Fib. Res., 26(1- 2): 70-74, 2006.

(b) Other International & National Journal:

37.	Full Scientific Paper Principal Author	A.K.M. Mahabubuzzaman , Ayub Nabi Khan, Md. Osman Ghani Miazi and A.K.M. Masud Alam, 2008. “Jute processing in rotor spinning for making jute and jute blended fine yarn.” BUFT Journal, 1:43-48, 2013.
38.	Full Scientific Paper Principal Author	A.K.M. Mahabubuzzaman , Md. Osman Ghani Miazi, Md. Minhaj Uddin Jubayer, M.A. Rashid Sarker, Ayub Nabi Khan and A.N.M. Ahmed Ullah, 2008. “Study the effect of fine yarn production by blending raw jute with flax using Apron draft spinning frame.” Journal of ITET, 9:5-8, 2008.
39.	Full Scientific	Engr. A.K.M. Mahabubuzzaman , Engr. Md. Osman Ghani Miazi, Engr. M.A.

	Paper Principal Author	Rashid Sarker, Engr. A.K.M. Fazlul Haque, 2008. "Study the effect of Delivery Roller Speed Variation of Breaker Card Cylinder on the quality of blended Jute yarn." Southeast University Journal of science and Engineering, 1(1): 33-42, 2008.
40.	Full Scientific Paper Principal Author	Dr. Engr. A.K.M. Mahabubuzzaman, Dr. Engr. Md. Osman Ghani Miazi, Dr. Engr. Ayub Nabi Khan, Md. Minhajj Uddin Jubayer and Md. Abdullah Kaysar, 2008. "Importance of Processing Parameters of Slip Draft Spinning Frame on the Physical Properties of Jute Yarn." Journal of ITET, 10:15-17, 2008.
41.	Full Scientific Paper Principal Author	Dr. Engr. A.K.M. Mahabubuzzaman, Dr. Engr. Md. Osman Ghani Miazi, Dr. Engr. Ayub Nabi Khan, Engr. A.K.M. Fazlul Haque and Md. Moslem Uddin, 2008. "Study the Production of Open End Yarn by Blending Raw Jute with Cotton." Journal of ITET, 10:59-65, 2008.
42.	Full Scientific Paper Co-author	M. Osman Ghani Miazi, A.K.M. Mahabubuzzaman and Md. Mazedul Kabir, 2009. "Effect of spindle speed on textile properties and productivity of fine jute yarn." Daffodil International University Journal of Science and Technology, Volume 4, Issue 2, July, 1-5, 2009.
43.	Full Scientific Paper Co-author	M.N. Amin, F.A. Dilruba, M.K. Kabir, Latifa Binte Lutfar, A.K.M. Mahabubuzzaman , and Farid Ahmed, 2001, "A process for Jute Batching Emulsion by Using Jute Seed Oil." Journal of Bangladesh Academy of Sciences, Vol, 25 No. 2, 131-138, 2001.
44.	Full Scientific Paper Co-author	Mohammad Maniruzzaman, Dr. Engr. A.K.M. Mahabubuzzaman , Dr. Engr. Md. Osman Gjani, Miazi, Engr. A.N.M. Ahmed Ullah and Dr. Engr. Ayub Nabi Khan, 2008. "Study on present status of private Textile Spinning Mills in Bangladesh." Journal of ITET, 9:9-13, 2008.
45.	Full Scientific Paper Co-author	Md. Minhajj Uddin Jubayer, Md. Moslem Uddin, A.K.M. Mahabubuzzaman , Md. Helal Uddin and Md. Abdullah Kaysar, 2008. "Emulsion application and its effect on yarn quality." Journal of ITET, 9:42-45, 2008.
46.	Full Scientific Paper Co-author	Engr. Md. Osman Gjani, Miazi, Dr. Engr. Ayub Nabi Khan, Engr. A.K.M. Mahabubuzzaman , Md. Mazedul Kabir, and Mohammad Maniruzzaman, 2008. "Study of Intersecting Gilling machine for making jute yarn by using different spinning machines." Southeast University Journal Of science and Engineering, 1(1): 49-55, 2008.
47.	Full Scientific Paper Co-author	Md. Moslem Uddin, H.M. Zakir Hossain, Dr. A.K.M. Mahabubuzzaman , Md. Abdus Salam Khan and Khaled Saifullah, 2008. "Selection of Product Mix of a Textile Spinning Mill by Linear Programming." Journal of ITET, 9:21-29, 2008.
48.	Full Scientific Paper Co-author	Mohammad Maniruzzaman, Dr. Engr. A.K.M. Mahabubuzzaman , Dr. Engr. Md. Osman Gjani, Miazi, and Dr. Engr. Ayub Nabi Khan, 2008. "Study the Wastage of Jute Fibre to Produce All Jute and Blended Yarn." Journal of ITET, 9:34-37, 2008.
49.	Full Scientific Paper Co-author	Dr. Md. Osman Gjani, Miazi, Dr. A.K.M. Mahabubuzzaman , Md. Mazedul Kabir, Mohammad Maniruzzaman, and Md. Deloar Hossain, 2008. "Comparative Study of Jute-PP (Poly-Propiline) Blended Yarn making through Conventional Jute Spinning System." Journal of ITET, 9:38-41, 2008.
50.	Full Scientific Paper Co-author	Dr. Engr. Md. Abul Kalam Azad, Engr. Md. Abdus Salam Khan, Dr. Engr. Md. Kamal Uddin, Dr. Engr. A.K.M. Mahabubuzzaman and Mohammad Maniruzzaman, 2008. "Study on different properties of jute prayer mat and synthetic prayer mat." Journal of ITET, 9:42-44, 2008.
51.	Full Scientific Paper Co-author	Md. Minhajj Uddin Jubayer, Md. Mahbulul Alam, Dr. A.K.M. Mahabubuzzaman , Md. Abdullah Kaysar and Md. Helala Uddin, 2008. "Problems on jute industry and its probable remedies." Journal of ITET, 9:45-50, 2008.
52.	Full Scientific Paper	Md. Moslem Uddin, Dr. A.F.M. Anwarul Haque, Dr. Ahsan Akter Hasin, H.M. Zarik Hossain and Dr. Engr. A.K.M. Mahabubuzzaman , 2008.

	Co-author	“Identification of the Critical Factors of Yarn Breakage in Ring Spinning by Design of Experiment.” Journal of ITET, 9:66-72, 2008.
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(ii) Short Communication

Sl. No	Type	Publication Description
1.	Popular Article Principal Author	Rotor Spinning Technology in Jute Industry (Published in Sonali Ash)
2.	Popular Article Principal Author	Technological Feasibility of Jute yarn from Rotor Spinning (Published in BJRI News Letter)
3.	Popular Article Principal Author	Commercial Feasibility of Fine Jute Yarns from Modified Apron Draft Ring Spinning Frame (Published In ITET Magazine)
4.	Popular Article Principal Author	Productions of Fine Yarns by Blending Raw and Modified Jute with Cotton in Rotor Spinning Method (Published in BJRI News Letter)
5.	Popular Article Principal Author	Mechanical Position of jute ply yarn (Published in the Magazine of Textile Engineering College, Noakhali).
6.	Popular Article Principal Author	cv†Ui nvjKv kwcs e`vM, e,,†Ei evwn†i mvßvwnK cÖwîKvq cÖKvkwZ
7.	Popular Article Principal Author	RyU WvBfviwmwd†Kkb cÖ†gvkb †m›Uvi Gi Kvh©µg l cwiwPwZ, e,,†Ei evwn†i mvßvwnK cÖwîKvq cÖKvkwZ
8.	Popular Article Principal Author	wk†í cv†Ui e`envi l mæcvebv, e,,†Ei evwn†i mvßvwnK cÖwîKvq cÖKvkwZ
9.	Popular Article Principal Author	cv†Ui eûgyLx e`envi l eZ©gvb Ae`vb, e,,†Ei evwn†i mvßvwnK cÖwîKvq cÖKvkwZ
10.	Popular Article Principal Author	cv†Ui ^Zix b†fv†U· Kæ^j, e,,†Ei evwn†i mvßvwnK cÖwîKvq cÖKvkwZ
11.	Popular Article Co-author	New field of Future Technological Research on Jute at BJRI (Published in Sonali Ash)
12.	Popular Article Co-author	“A comparative study of jute sector between Bangladesh and India” International Journal of Sustainable Agricultural Technology. Vol.5, Issue 2: 37-41. April 2009, ISSN-1815-1272.

(b) Books/Monographs/Bulletins

(i) Books

Sl. No.	Type	Description
1.	Book Principal Author	Yarn Manufacturing –2.
2.	Book Principal Author	Advanced Long Staple Spinning.
3.	Book Principal Author	Fabric Manufacturing-3.
4.	Book Principal Author	Advanced Short Staple Spinning-1

(ii) Monographs

1.	Monographs Co-Author	New development of jute batching with vegetable oils for use in the jute industry
2.	Monographs Co-Author	Jute blends and its products.
3.	Monographs Co-Author	Modified apron draft spinning machine.

(iii) Bulletins		
1.	Bulletins Principal Author	জুট-ব্যানানা ব্লেণ্ডেড সূতা
2.	Bulletins Principal Author	সাড়ে সাত কাউন্টের পাটের সূতায় ফার্ণিশিং ফেব্রিক

(c) Seminar/Workshop/Symposium Proceedings:

Sl	Type	Description
1	International seminar Principal Author	A study on the effect of processing parameters of the Finisher card machine on the physical properties of blended jute yarn. The international seminar was held during 15-17 May 2009 in the International Physics Conference at the Bangladesh University of Engineering and Technology (BUET), Dhaka.
2	International seminar Principal Author	A Study on the effect of processing parameters of the spinning machine on the physical properties of jute yarn. The international seminar was held during 19-21 March 2008 in the BOSE Conference on contemporary Physics at the Physics Department, University of Dhaka.
3	National seminar Principal Author	Effect of processing parameters of the Spinning Machine on the Physical Properties of jute yarn. The seminar was held 27-03-2006 at the Seminar Library para, Jahangirnagar University, Savar, Dhaka.
4	National seminar Principal Author	Effect of processing meters of the Spinning Machine on the Physical Properties of jute yarn. The seminar was held 13-11-2006 at the Seminar Library, Jahangirnagar University, Savar, Dhaka.
5	National seminar Principal Author	Effect of processing parameters of the Spinning Machine on the Physical Properties of jute yarn. The seminar was held 18-11-2006 at the Seminar Library, Jahangirnagar University, Savar, Dhaka.
6	Workshop Co-author	“Effect of speed and twist on productivity of fine jute yarn produced by modified ring-spinning machine.” The workshop was held on 07-12-2003 at the IJSG headquarter, Dhaka.
7	National seminar Co-author	An investigation on the effect of machine parameters of spinning machine on the Physical properties of blended Yarn. The seminar was held on 28-07-2011 in Jahangirnagar University, Savar, Dhaka.
8	National seminar Co-author	An investigation on the effect of machine parameters of spinning machine on the Physical properties of blended Yarn. The seminar was held on 11-02-2012 in Jahangirnagar University, Savar, Dhaka.
9	National seminar Co-author	Physical and structural properties of Jute-Pineapple Leaf Fibre(PLAF) blended fine yarn spun Apron Draft Ring spinning frame. The seminar was held on 30-10-2011 in Jahangirnagar University, Savar, Dhaka.
10	National seminar Co-author	Physical Properties of Jute-Cotton blended ring and rotor spun Yarn. The seminar was held on 29-10-2011 in Jahangirnagar University, Savar, Dhaka.
11	National seminar Co-author	A study on the physical properties of jute yarn with synthetic blends. The seminar was held on 11-03-2011 in Daffodil International University, Dhaka.
12	National seminar Co-author	A study on the physical properties of jute yarn with design of experiment. The seminar was held on 11-03-2011 in Daffodil International University, Dhaka.
13	National seminar Co-author	Achieving finishing target of knitted fabrics. The seminar was held on 06-04-2011 in Daffodil International University, Dhaka.
14	National seminar Co-author	Reduction of ETP LOAD through waste water regregation. The seminar was held on 29-03-2011 in Daffodil International University, Dhaka.
15	National seminar Co-author	Estimation of scouring effect on cotton by varying concentration of caustic soda. The seminar was held on 29-03-2011 in Daffodil International University, Dhaka.
16	National seminar Co-author	Adaptation of ring spinning system in the flyer spinning for making jute yarn. The seminar was held on 08-03-2011 in Daffodil International University,

		Dhaka.
17	National seminar Co-author	A study for optimization of machine parameters in a spinning machine for fine jute yarn. The seminar was held on 08-03-2011 in Daffodil International University, Dhaka.
18	National seminar Co-author	Study on the effect of blending parameters of Spinning Machine on the physical properties of blended yarn. The seminar was held on 11-03-2012 in Daffodil International University, Dhaka.
19	National seminar Co-author	Effect of oil and glycerin percentage on jute processing performance and yarn quality. The seminar was held on 19-09-2017 in Bangladesh University of Textiles (BUTEX), Dhaka.
20	National seminar Co-author	PhD fellows research progress review of ECCP. The seminar was held on 29-03-2021 in A. K. M. Gias Uddin Milky Auditorium, Krishi Khamar Sarak, Farmgate, Dhaka.
21	International conference Co-author	International conference on magnetism and advanced materials (ICMAM-2010). The conference held on 3-7 March, 2010 in Department of physics, BUET.
22	International conference Co-author	International conference on recent advance in physics-2010. The conference held on 27-29 March, 2010 in Department of physics, University of Dhaka.
23	International conference Co-author	Structure, processing and properties of materials, SPPM 2010. The International conference held on 24-26 February, 2010 in Department of MME, BUET.
24	National seminar Co-author	Modification of existing spinning frame for production of fine jute yarn. The paper presented at the seminar on Diversified Jute Products held on 23 and 24 January 2002 at Bangladesh China Friendship International Conference Centre, Sher-e-Bangla Nagar, Dhaka.
25	National seminar Co-author	An experimental investigation for optimization of machine parameters in a spinning machine for production of fine jute yarn. The seminar was held 22-9-2003 at the committee room, BJRI
26	National seminar Co-author	Adaptation of ring spinning system in the existing flyer spinning system. The seminar was held 9-7-1997 at the committee room, BJRI

(i) No. of technology developed: 08

Sl. No.	Name of Technology Developed	Present Status of Adoption	Remarks
1.	Jute-banana blended yarn.	In the process of adoption.	I worked as an principal scientist.
2.	Furnishing fabric with 7.5 lbs/spy jute yarn.	In the process of adoption.	I worked as an principal scientist.
3.	Jute Blending Technology in Jute Processing system	The technology has been adopted by 03 jute mills	I worked as an principal scientist.
4.	Novotex Blanket Production	Transferred to Private sector Jute Mills	I worked as an principal scientist.
5.	Production of Fine Jute Yarn by modifying existing Apron Draft Flyer Spinning machine	The technology has been adopted by 03 jute mills	I worked as an associate scientist.
6.	Production process of reusable light-weight jute shopping bag	Transferred to Private sector Jute Mills	I worked as an associate scientist.
7.	Developed Prayer Mat from Jute	Transferred to Private sector Jute Mills	I worked as an associate scientist.

8.	Fine yarn	In the process of adoption.	I worked as an associate scientist.
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(ii) No. of Research Programme

(a) Developed

Sl. No.	Name of Research Program(s)/Project(s)	Implementation Status	Remarks
1.	Study on the physical and mechanical properties of jute-banana blended yarn.	Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
2.	A study on smell free and economic jute processing oil (Verdure) for jute spinning industry	The technology has been adopted by 20 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
3.	A study on smell free and economic jute processing oil (Rafi) for jute spinning industry	The technology has been adopted by 20 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
4.	Study on the effect of processing parameters of the spinning machine on the physical properties of jute yarn	The technology has been adopted by 05 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
5.	Find out the effect of rpm variation on twist of all jute yarn of 138 tex (4 lbs/spy) in modified apron draft spinning frame.	The technology has been adopted by 03 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
6.	Study the effect of various speed of finisher card cylinder on same count of yarn with same quality fibre.	The technology has been adopted by 02 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
7.	Study the effect of various drafts of drawing and spinning machines on yarn quality.	The technology has been adopted by 03 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
8.	Study the effect of various draft of spinning machines on the quality of fine yarn.	The technology has been adopted by 05 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
9.	Investigation on the physical properties of yarn using dissimilar processing parameters of different spinning machines.	The technology has been adopted by 04 jute mills. Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
10	Modification of Hessian spinning frame from flyer system to ring system.	Studies completed for the Modified Hessian spinning machine and one paper already has been published.	I worked as an principal scientist in this program.

11.	Repairs Maintenance and installation of all types of industrial machinery, Laboratory equipment and apparatus of technology wing of BJRI.	Studies completed for the repair maintenance and installation of different types of industrial machinery, laboratory equipment and apparatus of technology wing and one paper already has been published.	I worked as an principal scientist in this program.
12.	To find out the effect of different form of raw jute feeding system in Breaker Card on medium count (8 lbs/spy)	Studies completed for the effect of different form of raw jute feeding system in Breaker Card and one paper already has been published.	I worked as an principal scientist in this program.
13.	Study of the spinning performance of jute-wool blended yarn.	In the process of adoption.	I worked as an associate scientist.
14.	Technologies of blending and other related processes and products of jute with various textile fibres in conventional jute processing system.	Transferred to Private sector Jute Mills	I worked as an associate scientist.
15.	Study on the physical and mechanical properties of jute-banana blended yarn.	Research outcomes were also published in reputed journal.	I worked as principal scientist. Copy attached in publication list.
16	Optimization of the Machine Parameters of Modified ring-spinning Machine for making Fine Jute Yarn.	Studies completed for the Modified ring-spinning machine and one paper already has been published.	I worked as principal scientist in this program.
17	To find out the effect of different form of raw jute feeding system in Breaker Card on medium count (8 lbs/spy)	Studies completed for the effect of different form of raw jute feeding system in Breaker Card and one paper already has been published.	I worked as an principal scientist in this program.
18	Modification of Hessian spinning frame from flyer system to ring system.	Studies completed for the Modified Hessian spinning machine and one paper already has been published.	I worked as an principal scientist in this program.
19	Repairs Maintenance and installation of all types of industrial machinery, Laboratory equipment and apparatus of technology wing of BJRI.	Studies completed for the repair maintenance and installation of different types of industrial machinery, laboratory equipment and apparatus of technology wing and one paper already has been published.	I worked as an principal scientist in this program.
20	Improvement of productivity and quality of traditional jute yarns.	Studies completed for the improvement of productivity and quality of traditional jute yarns and one paper already has been published.	I worked as an principal scientist in this program.

21	Minimization of hairiness of fine jute yarn	Studies completed for the Minimization of hairiness of fine jute yarn and one paper already has been published.	I worked as an principal scientist in this program.
22	Adaptation of ring system in the spingard spinning machine and performance analysis of the machine for production of jute yarn.	Studies completed for the adaptation of ring system in the spingard spinning machine and performance analysis of the machine for production of jute yarn and one paper already has been published.	I worked as an principal scientist in this program.
23	Blending of jute with flax and wool.	Studies completed for blending of jute with flax and wool and one paper already has been published.	I worked as an principal scientist in this program.
24	Study on performance of intersecting gilling machine of flax line in jute processing to produce fine and regular count jute and blended yarn.	Studies completed for the performance of intersecting gilling machine of flax line in jute processing to produce fine and regular count jute and blended yarn and one paper already has been published.	I worked as an principal scientist in this program.
25	Study on performance of modified third drawing machine in jute processing to produce jute and blended fine yarn	Studies completed for the performance of modified third drawing machine in jute processing to produce jute and blended fine yarn and one paper already has been published.	I worked as an principal scientist in this program.
26	To study the effect of various speed of finisher card cylinder on same count of yarn with same quality fiber.	Studies completed for the effect of various speed of finisher card cylinder on same count of yarn with same quality fiber and one paper already has been published.	I worked as an principal scientist in this program.

(b) Supervised:

Sl. No.	Name of Research Program(s)/Project(s)	Position in Annual Report
1.	Studies on resin viscosity on the properties of jute fibre reinforced polyester composites.	MP-27, 2019-2020, Page: 79-83
2.	Improvement of hessian spinning frame by using a blower fan.	MP-28, 2019-2020, Page: 84-85
3.	A study on the physical and mechanical properties of jute-banana blended yarn.	MP-29, 2019-2020, Page: 85-89
4.	Study of the spinning performance of jute-wool blended yarn.	MP-30, 2019-2020, Page: 89-92

5.	Study on the spinning performance of Robi-1, JRO-524 and O-9897 jute varieties at BJRI	MP-31, 2019-2020, Page: 92-95
6.	Development of prayer mat from jute yarns/jute-wool blended yarns.	MP-33, 2019-2020, Page: 97-98
7.	Fabrication of thermosetting composite material of jute fibres at different proportion and arrangement.	MP-30, 2018-2019, Page: 81-82
8.	Repair the spreader machine with its mechanical spare parts and its operation	MP-32, 2018-2019, Page: 86-87
9.	A study on smell free and economic jute processing oil (Rafi) for jute spinning industry	MP-33, 2018-2019, Page: 87-90
10.	Study of making prayer mat from jute yarns/Jute-wool blended yarn	MP-37, 2018-2019, Page: 96
11.	Conversion and modification of machinery and equipment for jute and jute products	MP-26, 2017-2018, Page: 87-89
12.	A study on smell free and economic jute processing oil (Verdure) for jute spinning industry	MP-27, 2017-2018, Page: 89-96
13.	Effect of speed on twist and quality ratio of jute yarn in apron draft spinning frame.	MP-35, 2012-2013, Page: 70-72
14.	Investigation on the physical properties of yarn using dissimilar processing parameters of different spinning machines.	MP-36, 2012-2013, Page: 73-78
15.	A study on performance of Intersecting Gilling machine of flax line in traditional spinning system.	MP-38, 2012-2013, Page: 81-84
16.	Production of union fabrics of fancy weave design, Mockleno and Honeycomb using jute yarn as weft and cotton yarn as weft.	MP-27, 2012-2013, Page: 84-87
17.	Study on performance of modifies 2 nd drawing machine in jute processing to produce all jute and blended fine yarn.	MP-36, 2010-2011, Page: 84-86
18.	To study the effect of various draft of spinning machines on the quality of fine yarn.	MP-37, 2010-2011, Page: 86-93
19.	To find out the effect of various speed of breaker card cylinder for same count of blended yarn with same grade fibres.	MP-40, 2010-2011, Page: 100-101
20.	Adaption of ring system in the Spingard spinning machine and performance analysis of the machine for production of jute yarn.	MP-28, 2008-2009, Page: 78-80

(c) Executed:

Sl. No.	Name of Research Programme(s)/ Project(s) Developed.	Status and P. SL. Number of executed Programme(s) /Project(s), year of Annual Technical Report and page
1.	Study on the physical and mechanical properties of jute-banana blended yarn.	The report was submitted in the subsequent year. After the production of jute-banana blended yarn, the yarn qualities were measured. MP-29, 2019-2020, Page: 85-89
2.	Study of the spinning performance of jute-wool blended yarn.	The report was submitted in the subsequent year. After the production of jute-wool blended yarn, the yarn qualities were measured. MP-30, 2019-2020, Page: 89-92

3.	Development of prayer mat from jute yarns/jute-wool blended yarns.	The report was submitted in the subsequent year. After the production of jute prayer mat, the properties of prayer mat were measured. MP-33, 2019-2020, Page: 97-98
4.	Fabrication of thermosetting composite material of jute fibres at different proportion and arrangement.	The report was submitted in the subsequent year. After the production of composite at different proportion and arrangement, physical and chemical properties were measured. MP-30, 2018-2019, Page: 81-82
5.	Repair the spreader machine with its mechanical spare parts and its operation	The report was submitted in the subsequent year. After maintenance and repair, the spreader machine was run for research purpose. MP-32, 2018-2019, Page: 86-87
6.	A study on smell free and economic jute processing oil (Rafi) for jute spinning industry	The report was submitted in the subsequent year. After completed the processing by Rafi oil, the produced yarn qualities were improved and production cost was less. MP-33, 2018-2019, Page: 87-90
7.	A study on smell free and economic jute processing oil (Verdure) for jute spinning industry	The report was submitted in the subsequent year. After completed the processing by Verdure oil, the produced yarn qualities were improved and production cost was less MP-27, 2017-2018, Page: 89-96
8.	Effect of speed on twist and quality ratio of jute yarn in apron draft spinning frame.	The report was submitted in the subsequent year. After completed, produce yarns were satisfactory. MP-35, 2012-2013, Page: 70-72
9.	Investigation on the physical properties of yarn using dissimilar processing parameters of different spinning machines.	The report was submitted in the subsequent year. After completed, the production of jute yarns was increased as well as its quality. MP-36, 2012-2013, Page: 73-78
10.	A study on performance of Intersecting Gilling machine of flax line in traditional spinning system.	The report was submitted in the subsequent year. After completed the flax line system, produced sliver and yarn quality were satisfactory. MP-38, 2012-2013, Page: 81-84
11.	Production of union fabrics of fancy weave design, Mockleno and Honeycomb using jute yarn as weft and cotton yarn as weft.	The report was submitted in the subsequent year. After the production of different design fabric, fabric properties were tested in testing department. MP-27, 2012-2013, Page: 84-87
12.	Study on performance of modifies 2 nd drawing machine in jute processing to produce all jute and blended fine yarn.	The report was submitted in the subsequent year. After completed the pin density of 2 nd drawing machine, drawing slivers were improved. MP-36, 2010-2011, Page: 84-86
13.	To study the effect of various draft of spinning machines on the quality of fine	The report was submitted in the subsequent year. After completed of various draft of

	yarn.	spinning machine, jute yarn quality was improved. MP-37, 2010-2011, Page: 86-93
14.	To find out the effect of various speed of breaker card cylinder for same count of blended yarn with same grade fibres.	The report was submitted in the subsequent year. After completed, produced yarn by different speed of breaker card cylinder performance of the machine was satisfactory. MP-40, 2010-2011, Page: 100-101
15.	Adaption of ring system in the Spingard spinning machine and performance analysis of the machine for production of jute yarn.	The report was submitted in the subsequent year. After completed, development of a technology for the production of better quality fine yarn by using drafting zone of spingard spinning machine. MP-28, 2008-2009, Page: 78-80
16.	Study on performance of Intersection gilling machines of flax line in jute processing to produce fine and regular count jute and blended yarn.	The report was submitted in the subsequent year. After completed, development and modification of machinery and equipment for jute and jute products. MP-29, 2008-2009, Page: 80-82
17.	Study on performance of modified third drawing machine in jute processing to produce all jute and blended fine yarn.	The report was submitted in the subsequent year. After completed, third drawing sliver as well as yarn was regular and the performance of the machine was satisfactory. MP-30, 2008-2009, Page: 82-84
18.	To find out the effect of different type of drawing machinery on medium count (7.5 lbs/spy) yarn quality.	The report was submitted in the subsequent year. After completed, improvement and cost reduction of traditional jute products. MP-26, 2001-2002, Page: 64-67
19.	To find out the effect of rpm variation on twist of all jute yarn of 138 tex (4 lbs/spy) in modified apron draft spinning frame.	The report was submitted in the subsequent year. After completed, spinning of finer count all-jute yarn with acceptable quality/properties and productivity in modified apron draft spinning frame. MP-27, 2001-2002, Page: 67-69
20.	To develop a device for mechanized blending of jute with other textile fibres.	The report was submitted in the subsequent year. After completed, mechanize and optimize the mechanical process of jute blending has been developed. MP-26, 2001-2002, Page: 76-77

Outstanding achievements:

- a) Award received: 06
 - i) Award received from Prime Minister's office regarding Prime Minister's higher education assistance scholarship.
 - ii) Certificate of achievement on business coaching (jute) received from Traidcraft who are co-funded by The European Union.
 - iii) Member of Academic council, DUET.
 - iv) Reviewer of Daffodil International University Journal of Science and Technology.
 - v) Project Leader of Research Programmes under Research Grant of BARC.

- vi) Examiner of Textile Engineering Department at Mowlana Bashani Science and Technology University.
- b) Supervision of MS thesis: 09
- i) Name: Toufiqua Siddiqua, Student ID: 2014-2-1-012, BUTEX.
 - ii) Name: A.K.M. Fazlul Haque, Student ID: 101-32-130, DIU.
 - iii) Name: Abul Based Miah, Student ID: 101-32-145, DIU.
 - iv) Name: Md. Abdur Rokib, Student ID: 093-32-124, DIU.
 - v) Name: Md. Abdul Kader Bepari, Student ID: 101-32-137, DIU.
 - vi) Name: Farukh Ahamed Siddiquee, Student ID: 101-32-132, DIU.
 - vii) Name: Abu Nasir Mohammad Shamim, Student ID: 101-32-143, DIU.
 - viii) Name: M.M. Sazzad Rabbani, Student ID: 101-32-136, DIU.
 - ix) Name: Mohammad Abdus Salam Khan, Student ID: 111-32-151, DIU.
 - x) Name: Jahidul Islam, Student ID: 2016-2-1-006, BUTEX
 - xi) Name: Md. Bashar Uddin, Student ID: 2018-2-1-002, BUTEX
- c) Supervision of Ph.D thesis: 04
- i) Name: Mohammad Rafiqul Rashid, Roll No. 59, Registration No. 1427, Session: 2009-10 Jahangirnagar University.
 - ii) Name: Abu Nayem Mohammad Ahmed Ullah, Roll No. 54, Registration No. 1223, Session: 2008-09 Jahangirnagar University.
 - iii) Name: Mohammad Abdul Jalil, Roll No. 156, Session: 2008-09, Registration No. 1325, Jahangirnagar University.
 - iv) Name: Md. Abdus Shahid, Roll No. 52, Registration No. 1221, Session: 2008-09 Jahangirnagar University.
- d) Patent registered: 05

Sl. No.	Name of Patent Registered
1.	“A process for the production of Light Weight and Reusable Jute Shopping Bag”. Patent No. 1004548 (Copy attached).
2.	“Optimization of processing parameters of jute spinning machinery for quality jute yarn with higher productivity”. Patent No. 1004888 (Copy attached).
3.	A process to produce yarn through open end spinning technology by blending jute with synthetic fibre. Patent No. 1005129 (Copy attached).
4.	A process to produce fine yarn in rotor spinning by blending jute with cotton. Patent No. 1005130 (Copy attached).
5.	Extraction of natural dyes, its application in textile coloration. Submitted 67/2013.

- e) Professional Membership
1. Life Fellow, Institution of Engineers, Dhaka, Bangladesh.
 2. Life Member, Institution of Textile Engineers and Technologists, Dhaka, Bangladesh.
 3. Life Member, Bangladesh Physical Society.

4. Ex Vice President, Scientist Association, Bangladesh Jute Research Institute.

5. Registered Graduate, Dhaka University, Dhaka, Bangladesh.

6. Member, Asiatic society, Bangladesh.

f) Involvement with Other Journal/Publication

❑ Journal of ITET

❑ ATA Journal for Asia on Textile & Apparel

❑ Journal of Textile and Apparel, Technology and Management, USA

❑ Pakistan Journal of Biological Sciences

❑ Asian journal of plant Sciences

❑ Bangladesh Journal of Jute and Fibre Research

❑ Journal of Bangladesh Academy of Sciences

❑ Daffodil International University Journal of Science and Technology

❑ Southeast University Journal of science and Engineering

❑ Textile Today, Bangladesh

❑ BCSIR

❑ Asiatic Society of Bangladesh