

# Curriculum Vitae of MOHAMMAD MANIRUZZAMAN



1. Name: **MOHAMMAD MANIRUZZAMAN**
  - a) Father's name: Mohammad Abdul Khaleqe Miah
  - b) Mother's name: Jahanara Begum
2. a) Permanent Address: Village: Chandrapara, P.O. Deherghati,  
P.S. Babuganj, Dist. Barisal.  
b) Present Address: Senior Scientific Officer (SSO), Mechanical Processing Division,  
Bangladesh Jute Research Institute, Manik Mia Avenue, Dhaka-1207.
3. Nationality: Bangladeshi
4. Marital Status: Married
5. Date of birth: 01-09-1980
6. Educational Qualification:

Degree/Diploma/ Certificate	Class/Grade/ Division	University/Institute/Board	Year
B. Sc. in Textile Technology	First Class	College of Textile Technology, Dhaka University	2001 (held in 2003)
H.S.C.	*First Division	Dhaka College, Dhaka Board	1997
S.S.C.	*First Division	Bangladesh Bank Adarsha High School, Dhaka Board	1995

7. Field of Specialization: Jute Spinning for fine and medium count yarn production.
8. Training:

a) In Country:

Organization	Year	Duration		Name of programme
		Mos	Days	
Bangladesh Computer Council	2009	0	18	Introduction to Office Application
Bangladesh Academy for Rural Development in Cotbari, Comilla	2009	4	0	Foundation Training Course
Rural Development Academy, Bogura	2009	0	05	RDA Attachment Programme
International Jute Study Group	2010	0	04	Skill Development Programme for the Supervisors & Technologists of the Jute Industry.
Graduate Training Institute, Bangladesh Agricultural University, Mymensingh	2011	0	15	Research Methodology
Bangladesh Jute Research Institute,	2012	0	04	Technical Report Writing and Editing

Dhaka				Course
International Jute Study Group	2013	0	05	Training on Spinning under TOT for Supervisors & Technologists of the Jute Industry.
International Jute Study Group	2013	0	05	Training on Weaving under TOT for Supervisors & Technologists of the Jute Industry.
Bangladesh Jute Research Institute, Dhaka	2017	0	03	Training of Trainers for the Dissemination of Industrial Technologies on Jute
Bangladesh Jute Research Institute, Dhaka	2017	0	02	Innovation in Public Service
Bangladesh Jute Research Institute, Dhaka	2017	0	03	Procurement of Goods, works and services
Bangladesh Jute Research Institute, Dhaka	2018	0	03	Data Analysis by Micro-computer
Bangladesh Jute Research Institute, Dhaka	2018	0	03	Technical Report Writing and Editing
Bangladesh Jute Research Institute, Dhaka	2018	0	03	Agricultural Project Management
Bangladesh Jute Research Institute, Dhaka	2019	0	01	Jute Industrial Product Research & Development
National Agriculture Training Academy	2019	0	05	ToT on Teaching Methods & Techniques
Bangladesh Jute Research Institute, Dhaka	2019	0	01	জাতীয় শুদ্ধাচার কৌশল
Bangladesh Jute Research Institute, Dhaka	2020	0	01	তথ্য অধিকার আইন
Bangladesh Jute Research Institute, Dhaka	2020	0	02	Public Procurement Procedures (Goods, Works & Services)
Bangladesh Jute Research Institute, Dhaka	2021	0	01	e-Nothi
Bangladesh Jute Research Institute, Dhaka	2021	0	01	Annual Performance Agreement (APA)
Ministry of Planning	2021	0	05	National e-Government Procurement (e-GP) System as Procure Entity (PE) user
Bangladesh Jute Research Institute, Dhaka	2021	0	01	অভিযোগ গ্রহন ও নিষ্পত্তিকরণ
Bangladesh Jute Research Institute, Dhaka	2021	0	01	আযকর রিটার্ন দাখিল
Bangladesh Jute Research Institute, Dhaka	2022	0	01	সেবা প্রদান প্রতিশ্রুতি
Bangladesh Jute Research Institute, Dhaka	2022	0	01	ই-গভর্নেন্স ও উদ্ভাবন কমপারিকল্পনা বাস্তবায়ন

9. Experience:

Position	Period		
	From	To	Total (Year/Months)
SO	26-12-2005	24-04-2012	06 years 03 months 28 days
SSO(CC)	25-04-2012	06-09-2016	04 years 04 months 11 days.
SSO	07-09-2016	Till date	



**Publications of Mohammad Maniruzzaman, SSO**  
**Spinning Section, Mechanical Processing Division, BJRI**  
**Total number of publications: 19, Short communications: 06,**  
**Leaflets: 02 and Seminar: 06**

**List of publications:**

(a) Scientific Journal:

i) Full Paper

<b>(a) Paper Published in the Reputed International Journal:</b>		
Sl. No	Type	Publication Description
1.	Full Scientific Paper Principal 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, ISSN 1997-2571, Canada. 12(1): page 17-22, December, 2018.
2.	Full Scientific Paper Co-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 Dissimilar Region of Bangladesh" Journal of Innovation & Development Strategy, ISSN 1997-2571, Canada. 3(4): page 9-13, August, 2009.
3.	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, ISSN 1997-2571, Canada. 3(4): page 9-13, August, 2009. ISSN 1997-2571
4.	Full Scientific Paper Co-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, ISSN 1997-2571, Canada. 12(1): page 23-25, December, 2018.
5.	Full Scientific Paper Co-author	T.B. Kamal, A.K.M. Mahabubuzzaman, M. Maniruzzaman, M. Khatun, A.A. Labonno, 2020. "Conversion of the jute winding machine from wooden spool to paper spool system" Journal of G-Science Implementation & Publication, ISSN 2308-4707, Vol: 7, Issue 3 may 2020.
<b>(b) Other International &amp; National Journal:</b>		
6.	Full Scientific Paper Principal 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, ISSN 1998-7803, Vol: 9, April 2008, Page 9-13.
7.	Full Scientific Paper Principal Author	Engr. Mohammad Maniruzzaman, Dr. Engr. A.K.M. Mahabubuzzaman, Dr. Engr. Md. Osman Ghani Miazi and Dr. Engr. Ayub Nabi Khan "Study the Wastage of Jute Fibre to Produce All Jute and Blended Yarn" Journal Of ITET, ISSN 1998-7803, Vol: 10, December, 2008, Page 38-41.
8.	Full Scientific Paper Principal Author	Mohammad Maniruzzaman, A. K. M. Mahabubuzzaman, Md. Osman Ghani Miazi, 2013. "Rotor Spinning Technology for Blended Fine Jute Yarn" Journal of Textile Engineering, ISSN 2309-6349, Vol: TE 01, December, 2013, Page 54-59.

9.	Full Scientific Paper Co-author	“Comparative Study of Jute-PP Propiline Blended Yarn making through Conventional Jute Spinning System” Journal of ITET, ISSN 1998-7803, Vol: 10, December 2008, Page 38-41.
10.	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, ISSN 1998-7803, Vol: 10, December 2008, Page 42-44.
11.	Full Scientific Paper Co-author	Engr. Md. Osman Ghani Miazi, Engr. Ayub Nabi Khan, Engr. A.K.M. Mahabubuzzaman, Md. Mazedul Kabir, Mohammad Maniruzzaman, 2008. “Study of Intersecting Gilling machine for making jute yarn by using different spinning machines” Southeast University Journal of Science & Engineering (SEUJSE), ISSN 1999-1630, Vol: 1, No: 1, July 2008, Page 49-56
12.	Full Scientific Paper Co-author	Md. Osman Ghani Miazi, A.K.M. Mahabubuzzaman, Mohammad maniruzzaman, Md. Masroor Anwer, 2011. “Introduction of Intersecting Gilling Machine In Jute Processing for Making Jute and Blended Yarn” Daffodil International University Journal of Science and Technology, ISSN 1818-5878, Vol-6, Issue 2, July 2011, Page-63-66.
13.	Full Scientific Paper Co-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 Fiber. Res. 2007, 27(1): Page 77-82.
14.	Full Scientific Paper Co-author	Md. Osman Ghani Miazi, Ayub Nabi Khan, A.K.M. Mahabubuzzaman, Nazmina Chowdhury, Mohammad Maniruzzaman, 2009. “Effect of Spindle Speed for Making Fine Yarn through Modified Ring Spinning Machine” Southeast University Journal of Science & Engineering (SEUJSE), ISSN 1999-1630, Vol: 3, No: 3, July 2009, Page 24-28.
15.	Full Scientific Paper Co-author	A.K.M. Mahabubuzzaman, Mohammad Maniruzzaman, Mohammad Abdus Salam Khan, 2011. “A Study on the effect of processing parameters of the Finisher Card machine on the physical properties of blended jute yarn.” Bangladesh Journal of Physics, 9 & 10, Page: 71-79, 2010-2011.
16.	Full Scientific Paper Co-author	Md. Asib Iqbal, Nazmina Chowdhury, Mohammad Maniruzzaman, Mahmuda Khatun, Jannatul Bake Molla, 2022. “Feasibility of dyeing jute and jute-cotton union fabric using novacron dyes” Daffodil International University Journal of Science and Technology, ISSN 1818-5878, Vol-17, Issue 1, January 2022, Page-6-9.
17.	Full Scientific Paper Co-author	Md. Asib Iqbal, Nazmina Chowdhury, Jannatul Bake Molla, Mohammad Maniruzzaman, Md. Ariful Islam, 2022 “Jute the golden fiber of Bangladesh, new sustainable fashion solution” Bangladesh Textile Journal, ISSN 1998-2712, April-June, Issue 1/2022, Page-56-60.
18.	Full Scientific Paper Co-author	Md. Abdus Salam Khan, A.T.M. K. Jamil, Mir Akmam Noor Rashid, M. Maniruzzaman, Nazmina Chowdhury, 2022 “Effect of Different Stages of Processing of Jute Yarn at Varying Counts” International Journal of Advances in Engineering and Management (IJAEM), ISSN 2395-5252, August, Volume 4, Issue 8, Page-50-52.
19.	Full Scientific Paper Co-author	Md. Asib Iqbal, Jannatul Bake Molla, Mohammad Maniruzzaman, 2022 “Optimization Scouring Recipe for Jute and Jute Caddies for Ecological Conservation” University of South Asia Journal (USAJ), ISSN 2411-3077, Volume 6 &7, Issue 1, 2020-2021, Page-141-145.

## Short Communication

Sl. No	Type	Publication Description
1.	Popular Article <b>Co-author</b>	Commercial Feasibility of Fine Jute Yarns from Modified Apron Draft Ring Spinning Frame (Published In ITET Magazine 2006)
2.	Popular Article <b>Co-author</b>	পাটের বহুমুখী ব্যবহার ও বর্তমান অবস্থান, বৃত্তের বাহিরে, ২৩শে এপ্রিল ২০০৭ সাপ্তাহিক পত্রিকায় প্রকাশিত। পৃষ্ঠা ১৬-১৭
3.	Popular Article <b>Co-author</b>	“Jute as an Industrial Fibre.” (Published in BJRI News Letter) January-March, 2008, Volume-35, No. 1.
4.	Popular Article <b>Co-author</b>	“High Performance Jute Technical Textile: Recent Development”. July-September, 2008, Volume-35, No. 3
5.	Popular Article <b>Co-author</b>	“Jute Technical Textile: Present Scenario” (Published in BJRI News Letter) October-December, 2008, Volume-35, No. 4.
6.	Popular Article <b>Co-author</b>	“Introduction of Flax Machinery in Jute processing System for the Production of Fine Jute yarn (Published in BJRI News Letter) April-June, 2010, Vol-37, No.-2.

## Bulletins

1.	Bulletins Co-Author	জুট-ব্যানান ব্লেণ্ডেড সূতা
2.	Bulletins Co-Author	সাড়ে সাত কাউন্টের পাটের সূতায় ফার্গিশিং ফেব্রিক

## Seminar/Workshop/Symposium Proceedings:

Sl	Type	Description
1	International seminar <b>Co-author</b>	“A Study on the effect of processing parameters of the Finisher Card machine on the physical properties of blended jute yarn.” The seminar was held from 15-17 may, 2009 at BUET, Dhaka.
2	National seminar <b>Co-author</b>	“কৃষি প্রকৌশল গবেষণা পরিকল্পনার উপর জাতীয় কম@শালা” ২৯শে জুন ২০০৯, সম্মেলন কক্ষ#১, বিএআরসি, ফার্ম@গেট, ঢাকা-১২১৫ তে অনুষ্ঠিত হয়।
3	National seminar <b>Co-author</b>	“কৃষি প্রকৌশল গবেষণা পরিকল্পনার উপর জাতীয় কম@শালা” ২৪-২৫শে মে ২০১০, সম্মেলন কক্ষ#১, বিএআরসি, ফার্ম@গেট, ঢাকা-১২১৫ তে অনুষ্ঠিত হয়।
4	National seminar <b>Co-author</b>	“কৃষি প্রকৌশল গবেষণা পরিকল্পনার উপর জাতীয় কম@শালা” ২৩-২৪শে মে ২০১১, সম্মেলন কক্ষ#১, বিএআরসি, ফার্ম@গেট, ঢাকা-১২১৫ তে অনুষ্ঠিত হয়।
5	National seminar <b>Co-author</b>	“কৃষি প্রকৌশল গবেষণা পরিকল্পনার উপর জাতীয় কম@শালা” ১১-১২ই জুন ২০১৩, সম্মেলন কক্ষ#১, বিএআরসি, ফার্ম@গেট, ঢাকা-১২১৫ তে অনুষ্ঠিত হয়।
6	National seminar <b>Co-author</b>	“কৃষি প্রকৌশল গবেষণা পরিকল্পনার উপর জাতীয় কম@শালা” ২১-২২শে মে ২০১৪, সম্মেলন কক্ষ#৬, বিএআরসি, ফার্ম@গেট, ঢাকা-১২১৫ তে অনুষ্ঠিত হয়।

**Research achievements:**

(i) No. of technology Developed: 03

(ii) No. of Research Programme:

(a) Developed: 05

(b) Supervised: 14

(c) Executed: 23

(i) No. of technology developed: 03

<b>Sl. No.</b>	<b>Name of Technology Developed</b>
1.	Jute-banana blended yarn.
2.	Furnishing fabric with 7.5 lbs/spy jute yarn.
3.	Jute Blending Technology in Jute Processing system.

(ii) No. of Research Programme

(a) Developed

<b>Sl. No.</b>	<b>Name of Research Program(s)/Project(s)</b>	<b>Position in Annual Report</b>
1.	Study of the spinning performance of jute-wool blended yarn.	Annual Technical Report 2019-20, Page: 89
2.	Effect of conditioning on processing and properties of jute fibre and yarn	Annual Technical Report 2017-18, Page: 97
3.	A Study on performance of Intersecting Gilling machine of flax line in traditional spinning system.	Annual Technical Report 2013-14, Page: 87.
4.	To find out the effect of various speed of breaker card cylinder for same count of blended yarn with same grade fibres.	Annual Technical Report 2010-2011, Page: 100.
5.	Determination of wastage percentage at different stage of processing jute fibre to produce 276 tex (8 lbs/spy).	Annual Technical Report 2005-2006, Page: 83

(b) Supervised:

<b>Sl. No.</b>	<b>Name of Research Program(s)/Project(s)</b>	<b>Position in Annual Report</b>
1.	A study on smell free and economic jute processing oil (Verdure) for jute spinning industry	Annual Technical Report 2012-13, Page: 78
2.	Production of fancy union fabrics of fancy weave design, Mockleno and Honeycomb using jute yarn as weft and cotton yarn as warp.	Annual Technical Report 2012-13, Page: 84
3.	Fabrication of thermosetting composite material of jute fibres at different proportion and arrangement.	Annual Technical Report 2017-18, Page: 82
4.	Studies on the variation of resin viscosity on the properties of jute fiber reinforced polyester composite.	Annual Technical Report 2017-18, Page: 84
5.	Production and market feasibility study of various products from jute-cotton union fabric.	Annual Technical Report 2017-18, Page: 104
6.	Repair the spreader machine with its mechanical spare parts and its operation	Annual Technical Report 2018-19, Page: 186
7.	A study on smell free and economic jute processing oil (Rafi) for jute spinning industry	Annual Technical Report 2018-19, Page: 87
8.	Production of jute-cotton union fabric of different weave design	Annual Technical Report

	by using Picanol double rapier electronic dobby machine	2018-19, Page: 94
9.	Study of making prayer mat from jute yarns/Jute-wool blended yarn	Annual Technical Report 2018-19, Page: 96
10.	A study on the physical and mechanical properties of jute-banana blended yarn	Annual Technical Report 2019-20, Page: 85
11.	Study on the spinning performance of Robi-1, JRO-524 and O-9897 jute varieties at BJRI	Annual Technical Report 2019-20, Page: 92
12.	Development of different types of jute bags with Jute-cotton woven fabric of different weave design	Annual Technical Report 2019-20, Page: 95
13.	Investigation on the physical properties of yarn using dissimilar processing parameters of different spinning machines.	Annual Technical Report 2012-2013, Page: 73-78
14.	To study the effect of various draft of spinning machines on the quality of fine yarn.	Annual Technical Report 2010-2011, Page: 86-93

(c) Executed:

<b>Sl. o.</b>	<b>Name of Research Programme(s)/ Project(s) Executed</b>	<b>Programme(s) /Project(s), year of Annual Technical Report and page</b>
1.	A study on smell free and economic jute processing oil (Verdure) for jute spinning industry	Annual Technical Report 2012-13, Page: 78
2.	Production of fancy union fabrics of fancy weave design, Mockleno and Honeycomb using jute yarn as weft and cotton yarn as warp.	Annual Technical Report 2012-13, Page: 84
3.	Fabrication of thermosetting composite material of jute fibres at different proportion and arrangement.	Annual Technical Report 2017-18, Page: 82
4.	Studies on the variation of resin viscosity on the properties of jute fiber reinforced polyester composite.	Annual Technical Report 2017-18, Page: 84
5.	Production and market feasibility study of various products from jute-cotton union fabric.	Annual Technical Report 2017-18, Page: 104
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7.	A study on smell free and economic jute processing oil (Rafi) for jute spinning industry	Annual Technical Report 2018-19, Page: 87
8.	Production of jute-cotton union fabric of different weave design by using Picanol double rapier electronic dobby machine	Annual Technical Report 2018-19, Page: 94
9.	Study of making prayer mat from jute yarns/Jute-wool blended yarn	Annual Technical Report 2018-19, Page: 96
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17.	A Study on performance of Intersecting Gilling machine of flax line in traditional spinning system.	Annual Technical Report 2013-14, Page: 87.
18.	To find out the effect of various speed of breaker card cylinder for same count of blended yarn with same grade fibres.	Annual Technical Report 2010-2011, Page: 100.



19.	Determination of wastage percentage at different stage of processing jute fibre to produce 276 tex (8 lbs/spy).	Annual Technical Report 2005-2006, Page: 83
20.	Study on the physical and mechanical properties of jute-banana blended yarn.	Annual Technical Report, 2019-2020, Page: 85
21.	Development of prayer mat from jute yarns/jute-wool blended yarns.	Annual Technical Report, 2019-2020, Page: 97
22.	Technical services to different entrepreneur and training to academic organizations to promote jute and jute goods.	Ongoing program
23.	Visit the different Jute mills and organizations for sharing scientific processing techniques and methods for jute and jute goods. Supervised	Ongoing program

### **Membership of Professional Societies:**

1. Member: The Institutions of Textile Engineers & Technology (ITET).
2. Member: The Institute of Engineers (IEB), Dhaka, Bangladesh.
3. Life Member: Bangladesh Physical Society, Dhaka, Bangladesh.

### **Outstanding achievement:**

- Resource person in Training programme on Spinning Section of jute and blended yarn.
- Resource person in Training programme on Method of weaving jute fabric with jute yarn
- Worked as a member for Editing & Compiling the Annual Technical Programme 2019-2020 and Annual Report 2019-2020.
- Member of the Tender Opening Committee (TOC)
- Involved in various activities of the institute.

### **Mohammad Maniruzzaman**

Senior Scientific Officer

Spinning Section

Mechanical Processing Division

Bangladesh Jute Research Institute

Manik Mia Avenue, Dhaka-1207

E-mail: monir\_bjri@yahoo.com

Contact Number: 01817015562

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