

CURRICULUM VITAE
OF
DR. MD. MOMOTAZ ALI, BJRI

1	Name	DR. MD. MOMOTAZ ALI
2	Father's name	Md. Abdul Latif
3	Mother's name	Amena Begum
4	Husband's name	Not applicable
5	Gender	Male
6	Designation	Principal Scientific Officer (PSO)
7	Institution	Bangladesh Jute Research Institute, Dhaka-1207
8	Date of joining in the present position	05/12/2022
9	Date of joining in service (at BJRI)	01/11/2004
10	Date of birth and age (as on 05 th November, 2023)	05 th August,1975 and Age- 48Y 03M 01D

11. Educational Qualification

Degree/Diploma/Certificate	Class/Grade/Division	University/Institution/Board	Year
Ph.D.	Obtained/awarded	Hokkaido University, Japan	2019
M.S. in Agroforestry	2 nd	BAU, Mymensingh	2003
B. Sc .Ag	2 nd	BAU, Mymensingh	1997
H.S.C.	2 nd	Rajshahi	1993
S.S.C.	1 st	Rajshahi	1991

12. Field of specialization: Plant Physiology and Seed Technology.

13. Training

SL. NO.	Organiz ation	Year	Duration		Name of programme
			Mons	Days	
01.	BJRI	2020	-	02	Training on Public Procurement Procedures (Goods, Works and services
02.	BJRI	2020	-	01	Training on ACR writing rules
03.	BJRI	2020	-	01	Training on e-filing
04.	BARC	2014	-	03	Use of fertilizer Recommendation Gude-2012

05.	AEC	2013	-	03	Harmonizing Seed Testing Procedure
06.	BARI	2013	-	05	Identification of Major Diseases and Insect-Pests of Important Crops and their Management for NARS Scientists
07.	BARC	2013	-	02	Agroforestry Technology Developed through SPGR Project
08.	BARC	2013	-	02	Agroforestry Practices in Bangladesh
09.	BADC	2013	-	03	Harmonizing Seed Testing Procedure
10.	BARI	2012	-	06	On-farm Research Methodology
11.	BJRI	2012	-	04	Technical Report Writing and Editing
12.	BAU	2010	-	13	Research Methodology
13.	BJRI	2008	-	02	Modern Jute and Kenaf seed production and storage Technology
14.	BARD	2007	04	-	Foundation Training Course for NARS Scientists
15.	BRDTI	2007	-	05	Rural Development and Poverty Alleviation
16.	BRTC	2007	-	26	Basic Driving Training In L.T.V (Light Transport Vehicle)
15.	EADS	2006	01	-	Advanced Computer Training Programme
16.	SAU	2005	03	-	Post Graduate Certificate Course On Seed Technology
17.	BJRI	2005	-	06	Orientation –Cum- Technology Transfer Training Workshop

14. a. Experiences (Research)

Position	Period		
	From	To	Total (Yrs./Month)
SO	01/11/2004	28/03/2012	07 years, 04 months and 28 days
SSO (CC)	29/03/2012	23/11/2015	03 years, 07 months and 25 days
SSO	24/11/2015	07/01/2020	04 years, 01 months and 14 days
PSO (CC)	08/01/2020	04/10/2021	01 years, 08 months and 26 days
SSO	05/10/2021	04/12/2022	01 years, 01 months and 29 days
PSO	05/12/2022	From 05/11/2023 to till now	00 years, 11 months and 01 days
		Total	18 years, 08 months and 23 days

15. Publication (SO to PSO)

List of publications, Photocopies of all publications, photocopies of first page of other publications are to be attached:

Please see attachment-01

(a)	Scientific Journals	No. of publication
	(i) Full paper	17
	(a) Paper published in the Reputed International Journal	
	Principal Author	01
	Co-author	02
	(b) Other International and National Journal	
	Principal Author	07
	Co-author	07
	(ii) Short Communication	
	Principal Author	0
	Co-author	0
	(b)	Books/Monographs/Bulletins
(i) Books		
Principal Author		0
Co-author		0
(ii) Monographs		
Principal Author		0
Co-author		0
(iii) Bulletins		
Principal Author		0
Co-author		0
(c)	Seminar/Workshop/Symposium/Proceedings	
	(i) International/National	
	Principal Author	0
	Co-author	0

16. Research Achievement (PSO/SSO/SO) List duly endorsed by the Head of Division and Director (Res).

(i) No. of technology developed :

(ii) No. of research programme :

(a) Supervised : 18 **Please see attachment-02.**

(b) Executed : 25

17. Outstanding achievement (SO to PSO) List duly endorsed by the Head of Division and Director (Res). :

(Award received, supervision of M.S./Ph. D thesis/Patent Registered)

⇒ Outstanding achievement: **Please see attachment-03.**

⇒ My Ph.D. thesis published from Hokkaido University, Japan webpage:

Please see attachment-04.

Signature of Applicant :

Address

(Dr. Md. Momotaz Ali)
Senior Scientific Officer (SSO)
Jute Research Experimental Station,
Jagir, Manikganj
Bangladesh Jute Research Institute
Bangladesh

ATTACHMENT-01

List of publications

A) National

Full paper as Principal Author (07)

- i. **M. M. Ali**, S. Akter, K.I. Koda, M. S. Forid and Y. Uraki. 2022. Optimization of Electrospinning Dope Using Aluminum Foil as a collector Materia.
- ii. **M. M. Ali**, N. Pakkang, K.I. Koda, R.K.Ghosh and Y. Uraki. 2022. Surface Modification of Synthetic Polymer Sheet by Direct Electrospinning of Cellulose Acetate.
- iii. **M. M. Ali**, S. Akter, S. Taira³, K.I. Koda and Y. Uraki. (2022) Determination of Electrospinning Condition, Suitable Solvent Ratio and Polymer Concentration using Cellulose Derivatives, Aluminum Foil as a Fiber Collector material.
- iv. **M. M. Ali**, S. Akter, K. I. Koda, M. S. Forid and Y. Uraki. (2022). Coating of Polyurethane Sheet with Regenerated Cellulose.
- v. **M. M. Ali.**, M. H. Rashid, R. K. Ghosh, **S. Akter** and Md. Mahabub Ali. 2008. Womens Contribution on Homestead Agroforestry Production activities: A case study at Bogra District.
- vi. **M. M. Ali.**, R. K. Ghosh, M. H. Rashid, A. K. M. S. Hossain and **S. Akter**. 2008. Womens Participation on Homestead Agroforestry Production Activities: A case study at Bogra District.
- vii. **M. M. Ali.**, M. S.H. Khan, B, Ahmed, M. H. Rashid And R. K. Ghosh (2008). Dry Matter Assimilation at different ages of *C.Capsularis* varieties. Int.J.Sustain. Agril. Tech.5 (4): 72-74.

Full paper as Co-author (07)

- I. M. M. Ahmed, S. M. A. Haque, A. K. M.N. Islam, M.S. Polan and **M. M. Ali. (2006).** Effect of Neem Extraction on the Galling and Growth of Tomato Plant.J. Subtrop. Agric. Res. 4(1):39-41.
- II. M. Shaheb Ali, B. Ahmed, **M. M. Ali**, M. A. Alim and A. K. M. Maqsubul Alam. (2007). Effect of Split Application of Nitrogen Fertilizer on Seed Yield and Yield contributing Characters of Jute. Int.J.Sustain. Agril. Tech.3(4): 24-29.
- III. M. S. H. Khan, **M. M. Ali**, B. Ahmed, M. M. M. Hossain, A. K. M. Shamsuddin.(2009). A Quantitative method of Keryotypic analysis of Wheat (*Triticum aestivum* L.)var. Sonalica. Int.J.Sustain. Agril. Tech. 5(04): 82-86.

- IV. M. Shaheb Ali, B. Ahmed, **M. M. Ali** and A. K. M. Maqsdul Alam.(2008). Effect of Integrated Nutrient on the Growth and Yield of Fibre Production of the Variety O-72. *Int.J.Sustain. Agril. Tech.* 4(3): 05-09.
- V. M. Shaheb Ali, **M. M. Ali**, B. Ahmed and M. A. Alim.(2008). Standardization of Fertilizer Application of Deshi Jute (*Corchorus capsularis* L.) Varieties for Seed Production in Conventional way. *Int.J.Sustain. Agril. Tech.* 4(3): 10-13.
- VI. S. M.Ahmed, S. M. A. Haque, B. Ahmed, M. M. Ali and M. S. Islam (2008). Comparative Efficacy of Some Seed Extracts and Furadon 5G Against Root-Knot Nematode (*Meloidogyne javanica*) of Tomato. *Int.J.Sustain. Agril. Tech.* 3(4): 50-53.
- VII. M. S. H. Khan, **M. M. Ali**, B. Ahmed, C. K. Saha and M. M. M. Hossain.(2010). Study on Age and Spacing for Quality Jute Seed Production from O-9897 stem cutting. *Int.J.Sustain. Agril. Tech.* 6(2): 53-55.

B) International

Full paper as Principal Author (01)

- I. **M. M. Ali**, N. Pakkang, S. Taira, K. Koda, K. Itoyama, Y. Uraki (2019). Direct Electrospinning of Cellulose Acetate onto Polyurethane Sheet and Effect of Its Saponification on Mechanical Properties. *Journal of Wood Chemistry and Technology*, ISSN: 0277-381, 3 print/1532-2319, Page: 1–14,
DOI:10.1080/02773813.2019.1590416

Full paper as Co-author (02)

- I. S. M. A. Haque, Md. S. Ali, **M. M. Ali**, M. A. Rahman and I. Hossain. (2015). Effect of Storage Materials on Seed Quality and Health in Jute Variety O-9897. *African Journal of Agricultural Research*. Vol. 10(21), pp. 2190-2196.
- II. M. Mahbulul Islam, Saheb Ali1, **M. M. Ali**, M. Younus Ali, M. Babul Hossain (2018). Jute Fibre Yield and Economics in Charland areas of Bangladesh. *Agricultural & Veterinary Sciences* Vol.2, No.1, 2018, PP: 59-65

ATTACHMENT-02

Name of programmed Executed and Supervised

Executed

2004-2005		
Program	1.	Screening and evaluation of <i>C.olitorius</i> L. germplasm for short day tolerance.
	2.	Growth analysis of <i>C.olitorius</i> L. varieties (O-72, OM-1 and O-9897)
	3.	Assessment of jute seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
	4.	Dry matter partitioning of tossa varieties (O-9897, OM-1 and O-72)
2005-2006		
Program	5.	Dry matter partitioning of desi varieties (BJC-2142 and CVE-3)
	6.	Determination of critical day length of different varieties/advanced breeding line of jute, kenaf and mesta.
	7.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2006-2007		
Program	8.	Screening of tossa jute germplasm less sensitive to short day tolerance
	9.	Screening of tossa jute germplasm for water logging tolerance in pots
	10.	Effect of sowing of different varieties of tossa jute on flowering behavior and seed production (O-4, O-9897, OM-1 and O-72)
	11.	Assessment of jute seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2007-2008		
Program	12.	Screening of tossa jute germplasm less sensitive to short day tolerance
	13.	Screening of tossa jute germplasm for water logging tolerance
	14.	Effect of dead jute seed on germination and growth on jute plants
	15.	Assessment of jute seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2008-2009		
Program	16.	Screening of tossa jute germplasm less sensitive to short day tolerance
	17.	Dry matter partitioning of newly release <i>C.capsularius</i> varieties BJC-2142.
	18.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2010-2011		
Program	23.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of BJRI

2012-2013		
Program	20.	Screening germplasm of jute, kenaf and mesta for salinity tolerance
	21.	Screening of germplasm of erect leaf for higher and quality yield of jute.
	22.	Dry matter partitioning of BJRI Kenaf-3 (HC-3)
	23.	Studies on seed yield and quality of different jute varieties across environment.
2013-2014		
Program	24.	Dry matter partitioning of variety BJRI tossa Pat-5.
	25.	Studies on seed yield and quality of different jute varieties across environment.
<u>Supervised</u>		
2008-2009		
Program	1.	Assessment of jute seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
	2.	Screening of tossa jute germplasm less sensitive to short day tolerance
	3.	Dry matter partitioning of newly release <i>C.capsularius</i> varieties BJC-2142.
	4.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2009-2010		
Program	5.	Screening of <i>C.olitorius</i> L. germplasm for less sensitive to short day tolerance.
	6.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2010-2011		
Program	7.	Screening of <i>C.olitorius</i> L. germplasm for less sensitive to short day tolerance
	8.	Growth analysis of advanced breeding line 3820 of <i>Corchorus olitorius</i> .
	9.	Effect of mechanical process of drying on jute seed quality.
	10.	Determination of field and physiological maturity of kenaf seed.
2011-2012		
Program	11.	Dry matter partitioning of newly release variety BJRI tossa Pat-5.
	12.	Studies of growth analysis of newly release variety BJRI Kenaf-3.
	13.	Assessment of jute, kenaf and mesta seed quality produced in different regional and sub-stations of Bangladesh Jute Research Institute.
2012-2013		
Program	14.	Field evaluation of different jute accessions on different sowing dates across environment.

	15.	Assessment of jute seed quality produced in different regional and sub-stations of BJRI.
2013-2014		
Program	16.	Field evaluation of different jute accessions on different sowing dates across environment.
	17.	Assessment of jute seed quality produced in different regional and sub-stations of BJRI.
	18.	Studies on seed yield and quality of different kenaf varieties across environments.

ATTACHMENT-03

Outstanding achievement	
a.	Participated as a working scientist of Bio-fertilizer Extension Officer under the project of BINA
b.	Participated as a team member of different survey and monitoring team
c.	Experience in Computer literacy- MS Word, MS Excel, MS power Point, MSTAT, IRRISTAT etc.
d.	Participated as a trainer for the farmers on jute seed crop harvest, production and storage technology.
e.	Prepared a poster about jute plant physiology
f.	Participated as a trainer in training programme on Jute Seed Production Technology for farmers at different regional and sub-stations of BJRI.
g.	Member of the Society of Bangladesh Plant Physiology, Krishibid Institution of Bangladesh and BJRI Scientist Society.
h.	Work as a scientist to screening of jute and allied accessions from the gene bank preservation.
i.	Participated as a resource person to the radio-talk programmed at Bangladesh Betar.
j.	Work as a associate scientist of M4C project of Charland of Gaibamdha district.
k.	Participated as a trainer for sub-assistant agriculture officer (SAAO) at additional director office Cumilla region, Cumilla.
l.	Participated in annual work-shop at BARI with different agricultural organization (BARI, BRRI, BJRI, DAE, BINA, SRDI, BADC etc) and provide them our compiled annual and technical research program which was conducted at BJRI regional station Chandina, Cumilla.

Attachment-04.

Abstract and Introduction of my Ph.D. thesis