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Dr. Md. Monjurul Alam Joined as DG of BJRI



Dr. Md. Monjurul Alam, DG, BJRI

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Ministry of Agriculture (MoA), Government of the Peoples' Republic of Bangladesh appointed Dr. Md. Monjurul Alam as Director General (DG) of Bangladesh Jute Research Institute (BJRI). Accordingly he has taken over the charge of the Institute on 08 December, 2016. Before joining, he was the Director (Jute Textiles), BJRI. Earlier he was the Principal Investigator (PI) of 'Basic and Applied Research on Jute' (BARJ) project and Chief Scientific Officer (CSO) of the same Institute.

Dr. Alam was born in a respectable Muslim family in the village of Mouhadanga, Sadar Upazila under the

District of Jamalpur on 01 March, 1960. He is the first child of his parents. His father Md. Mozibor Rahman and mother Mosammad Khodeja Khatun are very proud of their beloved son.

Dr. Alam obtained his B.Sc. (Hons') and M.Sc. degrees from Soil, Water and Environment Department (former Soil Science Department) of Dhaka University and is also awarded Ph.D. degree from the same University.

He has been serving Bangladesh Jute Research Institute (BJRI) since 1987 in Agriculture wing of BJRI. It may be mentioned that he was recruited as Scientific Officer (SO) to BJRI and gradually built up

his carrier with diverse experiences in Research, Planning, Management and Administration. He has a number of scientific articles published in National and International Journals. He contributed his expertise for the development of BJRI. He is a dynamic, sincere, frank and a man of amicable nature. He maintains Total Quality Management (TQM) in his works and activities in the light of transparency and accountability. BJRI hopes more and more contribution from him for the betterment of his own as well as for the country. In personal life, he got married Mrs. Ferdousi Begum and blessed with two daughters Maliha Monjur (Aurna) and Samia Monjur (Turna).

Dr. S. M. Mahbub Ali Joined as the Director (A & F)

Dr. S. M. Mahbub Ali is a dedicated and prominent agricultural scientist joined as the Director (Administration and Finance) on 25 October 2016 of in Bangladesh Jute Research Institute (BJRI). Before joining as Director (A & F) he was the Principal Scientific Officer (PSO) of Planning, Training and Communication (PTC) Division. He contributed his talent expertise to develop PTC Division of BJRI. He received different professional trainings from home and abroad. Dr. Ali obtained the B.Sc. Ag. degree in 1991 (held in 1995) from Bangladesh Agricultural Institute, Dhaka (Presently Sher-E-Bangla Agricultural University) and obtained M.S. degree in Agronomy in 2003 from Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur. He also completed Ph.D. degree from the

same university in 2011 on Seed Science and Technology. He started his professional career on 30 June 1996 as Scientific Officer, Planning and Training Division, Bangladesh Jute Research Institute (BJRI).



Dr. Ali has about twenty five scientific papers in different national and international journals. He has attended some professional training courses both at home and abroad. He is awarded with Chairman's Award for third position from Foundation Training Course for NARS scientist's (batch 11) organized by Bangladesh Academy for Rural Development, Comilla. Dr. Ali is the elder son of Mr. S. M. Mokter Ali and Mrs. Jahanara Begum of Tungipara, Gopalganj. He is happily married to Mohsena Khanom Shaon

and blessed with a son.

The 46th Victory Day observed at BJRI



Bangladesh Jute Research Institute (BJRI) celebrated 46th Victory Day on 16 December 2016 with renewed pledge. Dr. Md. Munjurul Alom, Director General (DG) of BJRI hoisted the National Flag at 7:00 AM in the premises of the office ground (North side) on the Victory Day. A special prayer was offered for the supreme sacrifices made by the greatest sons and daughters of the country who freed their motherland from the Pakistani Hanadar Bahinee after nine months bloody Liberation War.

Directors, Scientists, Officers and all Employees made a procession and paid their respect to the great leader Bangabandhu Sheikh Mujibur Rahman's residence located at road no. 32, Dhanmondi, Dhaka and his monument with flowers led by the Director General. An extended prayer was also offered for the continued peace, progress and prosperity of the nation. The guests were entertained at the end of the programme.

Jute Seed Production Programme Established through Project

Development and Dissemination of Agriculture technologies of Jute and allied fibre crops project has been running with the object achieving and Project Director himself monitored the programme by visiting demonstration seed plot at Monirampur, Jessore.

A demonstration jute seed production plot Md. Nazrul Islam, PD and seed farmers are seen in the Picture.



ARC held at BJRI



The 39 ARC meeting held on 28 December, 2016 in the Board room of BJRI. Chairman of ARC and Director General of BJRI Dr. Md. Monjurul Alam presided over the meeting

Honorable members of ARC from different organizations attended the meeting (appendix-I). All head of the Divisions and Principal Scientific Officers of Agriculture Wing of BJRI were present in the meeting. The inaugural session was started with recitation from the Holy Quran. Welcome address was given by Dr. Rahima Khatun, Director (Agriculture) of BJRI and the Member Secretary of ARC. Agenda wise discussion and decisions of the meeting are given below-

Item no. 1. Approval of the proceedings of 38th ARC meeting held on 28th December, 2015.

The Member Secretary, ARC presented the proceedings of 38th ARC meeting for confirmation and the committee was confirmed unanimously.

Item no 2. Action taken on the recommendations of 38th ARC meeting.

The Member Secretary of ARC and Director (Agriculture) read out the recommendations of 38th ARC meeting and the action taken on the recommendations. The honorable Members expressed their satisfaction towards the progress on the recommendations and approved.

Item no 3. Consideration of the Annual Research Report of agricultural research on jute and allied fibres for the year 2015-16.

The copies of Annual Research Report for the year 2015-16 and proposed Annual Research Programme for 2016-17 of agricultural research on jute, kenaf and mesta were distributed among the honorable ARC members. Member Secretary of ARC gave an overview of the research achievements of different divisions during the period. She also mentioned that the Annual Research Report and proposed Annual Research Programme were critically reviewed by the concerned experts of different Research Institutes and Universities through an internal review workshop.

The chairman of ARC expressed his satisfaction for the research achievement made by the agricultural scientists of different divisions of BJRI. He requested the honorable ARC members to participate in the discussion on the Annual Research Report and the proposed Annual Research Programme presented and come forward with the constructive suggestions. The honorable ARC members appreciated the progress of research works and approved the Annual Research Report for the year 2015-16.

Item no 4. Consideration of proposed Annual Research Programme for the year 2016-17.

After threadbare discussions the honorable ARC members approved the proposed Annual Research Programme for the year 2016-17.

Through a day long discussion the following general and specific division wise recommendations were made by the honorable ARC members.

Recommendations:

Breeding Division:

1. Emphasis has to be given to developed short duration and early sown varieties for fitting them in 3-4 cropping patterns.
2. New variety should have at least 10% higher fibre yield than the control variety and should have at least one good character, which is not available in the present one.
3. Salinity tolerant variety should be developed for cultivation of jute in saline areas.
4. Latest/appropriate variety should be used as check.

Agronomy Division:

1. "Seed quality" of JAF crops should be tested and monitored by the Agronomy Division.
2. Both English and Bangla name of the weed has to be mentioned in the report.

Pest Management Division:

1. Experiments on biocontrol should be undertaken to address the safety of environment.
2. In collaboration with BARJ Project initiative has to be undertaken for the development of resistant variety of biotic stresses specially for "die back" and "jute hairy caterpillar".
3. Tricodarma sp. should be used against diseases of jute as biocontrolling agent.
4. Quarantine act should be strictly followed for avoiding entrance of any foreign pathogen or pathogenic races with imported jute seed.

Fibre Quality Improvement Division:

1. Improvement of auto power ribboner machine is

essential for efficient and economic use.

2. Benefit cost ratio should be measured for Auto ribboner.

Jute Farming System Division:

1. Strengthening of dissemination activities of released varieties and technologies of BJRI at farmer's field.
2. Adaptive trial should be conducted with Indian variety JRO-524 as check to compare and evaluate with local varieties.
3. Priority has to be given for establishment of field demonstration of BJRI varieties and technologies at border belt.

Farm Management Unit:

1. The number of cropping pattern has to be reduced in the experiment of cropping pattern studies.
2. Initiative has to be undertaken on organic farming.

General Recommendations:

1. Research highlight should be printed both in Bangla and English language.
2. Unified units have to be used in Annual Report.
3. Presentation should be in key points and pictorial to understand easily.
4. Necessary steps to be undertaken to reach the seeds of BJRI varieties at farmer's level in time with required quantity.
5. Research output should be highlighted for increasing awareness among public and private sectors.
6. "Nizer biz nize kori" program should be continued with highest emphasis to meet up the seed shortage of tossa jute.

Dr. S.M. Mahbub Ali rewarded as the best Disciplined Officer 2016

Dr. S.M. Mahbub Ali, Director (Administration and Finance) received the best Disciplined Officer (Sistachar) award for the year 2016 first time by the Board of Management (BOM). He was rewarded by the 72th BOM. A CREST was given in a congenial atmosphere. Dr. Md. Monjurul Alam, Director General (DG) along with all the honourable members of BOM congratulate Dr. Ali for being the disciplined officer.



Precautionary measures for safe use of pesticide

*M. N. Islam, **M.S. Polan, ***S. Ahmed and ***S. Rahman

Pesticides are generally used to protect crops from the damages caused by pests. Indiscriminate use of pesticides may have health and environmental hazards. During the use of pesticides, attention should be given to some precautionary measures before, during and after the application. It is very important to select the safest pesticide which will act effectively with the minimum risk to human, livestock, wild life and the environment.

Proper time of application

Successful application of pesticides depends upon the climatic condition. The user must spray pesticides when the climatic conditions are favourable.

- Spraying operation should not be carried out in hot sunny day.
- Wind is a factor that can cause losses through spray drift. Always spray in favour of wind.
- Rain can affect the spray of pesticides. It can cause losses through washing out from the leaves.
- Spraying operations should preferably be conducted in morning before 10 am and in the afternoon after 4 pm, when the wind is calm.
- Spraying should not be done within three to four weeks before harvesting.

Precautions before spraying

- Do not handle pesticide with bare hands. Use hand gloves or other protective clothing.
- Do not smell pesticides.
- Do not open the pesticides bags using teeth, but cut them with a knife.
- The preparations of spray solutions from concentrated dangerous pesticides should be done in drum using long sticks, to protect the operator from splashing and to permit stirring from a standing position.
- Ensure that the user is competent and has received effective training in application techniques and the precautions.
- Check application equipment to ensure that it operates satisfactory without leaking or spilling and is calibrated for the necessary application rates.

- Check protective cloths and other safety equipment, if they are in good condition.
- Check that weather conditions are favourable; particularly to avoid excessive wind speeds and consequent spray drifts.
- Wash hands thoroughly with soap and water every time the sprayer/duster is filled with pesticides.

Precautions during spray

- Do not apply pesticides without having adequate training.
 - Wear appropriate protective cloths as prescribed on the label or information sheet for handling concentrated products.
 - Do not blow, suck or apply mouth to any sprinkler, nozzle or other spraying equipment.
 - Do not use leaky or faulty equipment.
 - Handle containers carefully to protect spillage during pouring into an applicator.
 - If two or more pesticides need to mix, ensure that they are compatible and without risk of a chemical reaction and would cause hazard.
 - Use separate set of container /vessels/buckets for mixing pesticides.
 - Use a pesticide only for the purpose for which it is intended and at the correct application/dilution rate.
 - Operator should not work for more than 8 hours a day.
 - Do not allow other workers in the field, particularly when pesticides are being applied. Take particular care to observe that children are neither allowed to spray nor are exposed to pesticides.
 - Never leave containers open and containers or application equipment unattended.
 - Do not spray dangerous pesticides in lakes, ponds and rivers or near water source to avoid contaminating fish and drinking water
- ## Precautions after spraying
- Thoroughly wash hands, face and neck as well as other parts of the body, which may have become contaminated with soap and water.
 - Return unused pesticides to safe storage and safety

* Principal Scientific Officer, ** Senior Scientific Officer, ***Scientific Officer

dispose of empty containers and any surplus in the application equipment.

- ❑ Decontaminate application equipment by washing it thoroughly. The contaminated water, as a result of washing the equipment and drums, must be disposed of by scattering over the barren land or in the deep pit.
- ❑ Decontaminate protective clothing items such as apron, boots and face shield by washing thoroughly.

Waste disposal

- ❑ Do not throw the excess spray fluid into pond, river etc. as this will contaminate the drinking water source as well as aquatic life.

- ❑ Empty containers of pesticides should not be used for keeping condiments, spices, mustard oil or any other domestic purpose. Damage or destroy the empty container by crush it out of shape making holes or breaking it.

Storage of pesticides

- ❑ Store pesticides in a separate room under lock and key away from the reach of the children.
- ❑ Never store pesticides near foodstuffs or medicines or kitchen.
- ❑ Store pesticides in labelled containers only.
- ❑ Do not store the pesticides in unsealed open containers.

A S M Kamruzzaman Awarded Ph.D Degree

A S M Kamruzzaman has recently been awarded with Ph.D. degree from Kobe University, Japan for his dissertation on "Indoleamines, neuropeptides and juvenile hormone/ecdysteroids regulate behavior and reproduction in the American cockroach, *Periplaneta americana*, with cross-talk between three regulatory axes". His study revealed that interplay of several endocrine regulatory axes was involved in reproductive events and behavior in the *Periplaneta americana*. This was the first report about indoleamines regulate vitellogenesis via cross-talks with allatotrophe in the American cockroach, *Periplaneta americana*. Prof. Dr. Kaoru Maeto and Prof. Dr. Makio Takeda, Department of Agrobioscience, Kobe University were his research supervisors' and Assoc. Prof. Dr. Katsuhiko Sakamoto and Prof. Dr. Yukio Tosa co-supervisors', respectively. Dr. A S M Kamruzzaman got scholarship and financial assistance from Monbukagakusho (MEXT), Ministry of Education, Culture, Sports, Science and Technology, Japan to conduct his Ph.D. research. The research findings will help to control insect reproduction which is important for pest control strategies.



Dr. Zaman completed his Bachelor of Science in Agriculture (B.Sc.Ag.) from Sher-e-Bangla Agricultural University (SAU), Dhaka. He obtained Master of Science (MS) degree in Entomology in 2010 from the Department of Entomology of Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU), Gazipur, Dhaka with 'A' grade. He joined as a Scientific Officer in Entomology Department, Pest Management Division, Bangladesh Jute Research Institute (BJRI), Dhaka on November, 2004. He was promoted to Senior Scientific Officer on November, 2015. He published twenty nine full scientific papers, two books and proceedings and popular articles in national and international journal. He has participated in several professional training, national and international seminars, workshops and conferences at home and abroad. Dr. Zaman is also associated with Entomological Society of Japan and Entomological Society of USA.

Dr. Zaman was born on 14 October, 1978 in Barisal District. He is the elder son of Md. Matiur Rahman and Konoor Begum. He was happily married with Mossa. Asma Akter and blessed with two sons, Md. Tahsin Zarif and Md. Tahmid Zahin.

Jute Market Report (TK.):

Raw Jute	October 2016		November 2016		December 2016	
	Per 100 kg	Per 40 kg	Per 100 kg	Per 40 kg	Per 100 kg	Per 40 kg
White Top	6625	2650	6625	2650	6625	2650
Tossa Top	6875	2750	6875	2750	6875	2750
Mesta Top	6625	2650	6625	2650	6625	2650
White Mid	5375	2150	5375	2150	5375	2150
Tossa Mid	5500	2200	5500	2200	5500	2200
Mesta Mid	5375	2150	5375	2150	5375	2150
White B. Bottom	5125	2050	5125	2050	5125	2050
Tossa B. Bottom	5250	2100	5250	2100	5250	2100
Mesta B. Bottom	5125	2050	5125	2050	5125	2050
White C. Bottom	4500	1800	4500	1800	4500	1800
Tossa C. Bottom	4625	1850	4625	1850	4625	1850
Mesta C. Bottom	4500	1800	4500	1800	4500	1800
White X. Bottom	4150	1650	4125	1650	4125	1650
Tossa X. Bottom	4250	1700	4250	1700	4250	1700
Mesta X. Bottom	4125	1650	4125	1650	4125	1650

Source: BJA (Bangladesh Jute Association, Narayangonj), Per 100 kg = 1 Quintal, Per Md. = 37.324 kg

Subscription rate per year

Bangladesh	Tk.	100.00
Asia	\$	15.00
Europe	\$	18.00
Africa	\$	18.00
America	\$	20.00
Australia	\$	20.00

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