CURRICULA VITAE

1. Name **: Dr. Md. Islam Uddin Mollah**

2. Father's Name : Md. Akbar Hossain Mollah

3. Mother's Name : Mst. Jamina Khatun

4. Permanent Address : Village- Baokuri, P.O.- Baonara
Upzila- Kalukhali, District- Rajbari

5. Present Address : Chief Scientific Officer and Head, Training Division
Bangladesh Rice Research Institute, Gazipur-1701

6. Date of Birth : 04-03-1961

7. Age on 01-01-2015 : 53 years 10 month and 29 days

8. Nationality : Bangladeshi

9. Academic qualifications with division/class, year of passing & name of institution:

Degree	Division/class	Year of passing	Name of institution
Ph.D in Agronomy	-	2006	Bangladesh Agricultural University Mymensingh
M.Sc.(Ag) in Agronomy	2nd Class	1986	Bangladesh Agricultural University Mymensingh
B.Sc.Ag (Hons)	1st Class	1983	Bangladesh Agricultural University Mymensingh
H.S.C.	2nd Division	1978	Govt. Rajendra College Faridpur
S.S.C.	1st Division	1976	Ramdia B. M. B. C. High School Ramdia, Rajbari

10. Other Qualifications (Training Received):

Training Course	Duration & Year	Institute	Country
1. Administration, Office Management and Communication	02 weeks, 1986	GTI, BAU	Bangladesh
2. Applied Research, Communication and Administration	02 months, 1987	BRRI	Bangladesh
3. Research Planning and Evaluation	02 weeks, 1988	BARC-BRRI	Bangladesh
4. Training and Technology Transfer	12 weeks, 1989	IRRI	Philippines
5. Rice-Fish Farming Systems Research	03 weeks, 1993	IRRI-ICLARM-CLSU	Philippines
6. Experimental Design and Statistical Analysis	02 weeks, 1994	IRRI-BRRI	Bangladesh
7. Farming Systems Research & Development Methodology	03 weeks, 1996	BARC	Bangladesh

Training Course	Duration & Year	Institute	Country
8. Problem Based Technology Generation for Rainfed Lowland Ecosystem	02 weeks, 1997	IRRI-BRRI	Bangladesh
9. Experimental Design and Data Analysis	10 days, 1998	IRRI-BRRI	Bangladesh
10. Advanced Experimental Design	01 weeks, 1999	IRRI	Philippines
11. Management Information Systems	02 weeks, 2000	BRRI	Bangladesh
12. Advanced wheat Agronomy course on bed and zero till planting for irrigated and rainfed wheat production systems	05 weeks, 2003	CIMMYT	Mexico
13. Customized training on HRD management in agricultural research	02 weeks, 2012	Universiti Utara	Malaysia

11. List of Publications

A. Journal publications

1. **Mollah, M. I. U.,** S. M. A. Hossain, N. Islam and M. N. I. Miah. 1992. Some aspect of tiller separation in transplant Aman rice. Bangladesh Agron. J. 4 (1 & 2): 45-49.

2. **Mollah, M. I. U.,** N. E. Elahi and S. B. Naseem. 1997. Productivity and profitability of pigeonpea intercropping in rice-pulse crop sequence. Bangladesh J. Sci. Ind. Res. 32 (3): 398-402.

3. **Mollah, M. I. U.,** N. E. Elahi, A. Khatun, and M. M. Alam, 2002. Increasing productivity of upland ecosystem through row and mixed intercropping of pigeonpea with rice-blackgram crop sequence. Pakistan J. Agron. 1(1): 34-37.

4. **Mollah, M. I. U.,** A. Khatun, M. M. Alam, A. H. Khan and N. E. Elahi. 2002. Hedgerow intercropping of pigeonpea in rainfed upland ecosystem of Bangladesh. OnLine J. Biol. Sci. 2(2): 133-135.

5. **Mollah, M. I. U.,** N. E. Elahi and N. U. Ahmed. 2002. Intercropping of pigeonpea with upland rice at different row ratios. Bangladesh Rice J. 11(Special Issue): 45-48.

6. **Mollah, M. I. U.,** M. S. U. Bhuiya, S. M. A. Hossain and M. N. E. Elahi. 2008. Bed planting method for establishment of direct seeded aman rice in rice-wheat cropping system. Bangladesh Rice J. 13 (1): 1-7.

7. **Mollah, M. I. U.,** M. S. U. Bhuiya, M. H. Kabir, S. M. A. Hossain and A. Saha. 2009. Evaluation of transplant aman rice on raised bed in rice-wheat cropping sequence. Bangladesh Rice J. 14 (1 & 2): 127-132.

8. **Mollah, M. I. U.,** M. S. U. Bhuiya, M. H. Kabir, A. Khatun and A. Saha. 2009. Nitrogen use efficiency of direct seeded aman rice under bed planting method in rice-wheat cropping system. Bangladesh Rice J. 14 (1 & 2): 133-138.

9. **Mollah, M. I. U.,** M. S. U. Bhuiya, A. Khatun, M. H. Kabir, M. S. Ali and A. H Khan. 2009. Bed planting – a water saving technology in rice-wheat cropping system. Bangladesh Rice J. 14 (1 & 2): 139-146.

10. **Mollah, M. I. U.,** A Saha, M M R Dewan, S Pramanik, S Mondal and M K Quais. 2009. Growth of transplant *aman* rice under raised bed planting method in rice-wheat cropping system. Eco-friendly Agril J. 2(8): 751-756.

11. **Mollah, M. I. U.,** M. J. Islam, M M. R Dewan, S. Mondal, M. K. Quais and S. Pramanik. 2009. Effect of raised bed planting on leaf area of direct seeded and transplant *aman* rice and its relationship with grain yield. Eco-friendly Agril J. 2(10): 851-857.

12. **Mollah, M. I. U.,** M. J. Islam, M M. R Dewan, M. K. Quais, S. Mondal and S. Pramanik. 2009. Effect of raised bed sowing on the growth of direct seeded *aman* rice in rice-wheat cropping system. Intl. J. BioRes. 7(4): 52-58.

13. **Mollah, M. I. U.,** M. S. U. Bhuiya and M. H. Kabir. Bed planting – a new crop establishment method of wheat in rice-wheat cropping system Paper accepted for publishing in the Journal of Agriculture & Rural Development. Vol. 7. No. 1 & 2 (2009)

14. **Mollah, M. I. U.,** M. S. U. Bhuiya and A. Khatun. Nitrogen use efficiency of wheat and transplant aman rice under bed planting method in rice-wheat cropping system Paper accepted for publishing in the Journal of Agriculture & Rural Development. Vol. 7. No. 1 & 2 (2009).

15. Naseem, S. B., **M. I. U. Mollah**, M. H. Ali and T. Islam. 1995. Yield response of upland rice to varying levels of weeding and nitrogen. Bangladesh J. Sci. Ind. Res. XXX, No. (2-3): 65-71.

16. Elahi, N. E., M. Nasim, G. M. Panaullah, A. K. M. Faruque and **M. I. U. Mollah**. 1996. *Hogla* production and utilization in the southern district of Bangladesh. Progress. Agric. 7 (2): 55-59.

17. Ali, H., **M. I. U. Mollah**, P. C. Bhattacharya, S. Alam and M. N. I. Miah. 1996. Effect of foliar application of nitrogen on deepwater rice. Bangladesh Rice J. 7(1&2): 85-88.

18. Bhattacharya, P. C., M. Nasim, **M. I. U. Mollah**, N. E. Elahi and N. U. Ahmed. 1996. Increasing farmers' prosperity through crop resource management in acid upland environment of Madhupur tract. . Bangladesh Rice J. 7(1&2): 89-93.

19. Naseem, S. B., A. H. Khan, **M. I. U. Mollah** and M. A. Ali. 1997. Effect of seeding method and varying surface soil moisture on the stand establishment of mungbean (*Vigna radiata* L.). Bangladesh J. Sci. Ind. Res. 32 (2): 296-301.

20. Mazid, M.A., A. B. S. Sarker, **M. I. U. Mollah**, M. Hasan and L. J. Wade. 2000. Rainfed rice-chickpea cropping system as affected by different source N application in the medium toposequence of the High Barind Tract of Bangladesh. Bangladesh J. Sci. & Tech. 2(2): 171-177.

21. Mazid, M.A., A. B. S. Sarker, **M. I. U. Mollah**, M. A. Saleque and L. J. Wade. 2001. Integrated nutrient management in rainfed rice-chickpea cropping system for increasing productivity of the High Barind Tract of Bangladesh. Bangladesh J. Agric. Sci. 28(2): 215-221.

22. Khatun, A., M. H. Rashid, **M. I. U. Mollah,** A. H. Khan, M. S. Islam and N. E. Elahi. 2001. Performance of rabi crops intercropping with wheat at different planting geometry. OnLine J. Biol. Sci. 1(11): 1103-1105.

23. Khatun, A., **M. I. U. Mollah,** M. H. Rashid, M. S. Islam and A. H. Khan. 2001. Seasonal effect of seedling age on the yield of rice. Pakistan J. Biol. Sci. 5(1): 40-42.

24. Ali, M. H., M. N. I. Miah, **M. I. U. Mollah** and N. E. Elahi. 2002. Influence of leaf clipping on grain yield and herbage yield of deepwater rice (*Oryza sativa* L.). Bangladesh Rice J. 11(Special Issue): 41-44.

25. Hossain, M., M.A. Mazid, M.A. Kader, M.M. Kamal, M.A.T. Mia and **I.U. Mollah**. 2003. Effect of soil solarization and Nematicide on soil parasitic nematode on direct seeded rice-wheat sytems. The Agriculturists 1(1) 47-52.

26. Kabir, M.S., D.N.R. Paul, **M.I.U. Mollah** and A. Khatun. 2007. Extrapolation domain of a proven resource conservation technology–Crop establishment by Chinese hand tractor seeder in rice-wheat systems. Bangladesh Rice J. 12(1 & 2): 57-62.

27. Kabir, M.H., A. Saha, **I.U. Mollah,** M.S. Islam and F. Rahman. 2008. Effect of crop establishment methods and weed management practices on the productivity of *boro* rice in lowland ecosystem. Int. J. BioRes 5(2): 42-51.

28. Kabir, M.H., M.S.U. Bhuiya, **M.I.U. Mollah,** A. Saha, and N.E. Elahi. 2008. Effect of crop establishment methods, nitrogen application and weed management practices on the productivity of *boro* rice in lowland ecosystem. Bangladesh J. Prog. Sci. & Tech. 6(2): 385-388.

29. Saha, A. A.R. Sarkar, S.M.A. Hossain, **M.I.U. Mollah** and S. Mandal. 2009. Effect of nursery management practices on seedling growth and their carryover effect on yield of Boro rice. Intl. J. BioRes. 6(5): 37-42.

30. Islam, M.J., **M.I.U. Mollah,** S.S. Parul and M.S. Hossain. 2009. The cracking behaviour of puddled soils. Eco-friendly Agril J. 2(7): 677-681.

31. Islam, M. J., **M. I. U. Mollah,** M. S. Hossain and H. Begum. 2009. Cracking puddled soils and its management for increasing water retention capacity. Eco-friendly Agril J. 2(10): 877-880.

32. Mondal, S., **M. I. U. Mollah,** M.H. Rashid, S. Pramanik and M. R Dewan. 2012. System productivity of rabi vegetables and aman rice varities in rabi vegetable-mungbean-aman rice cropping pattern. The Agriculturists 10(2):120-126.

B. Seminar/ Workshop/Symposium/Proceedings

1. **Mollah, M.I.U.,** M.A., N. E. Elahi and S.B. Naseem. Development of rainfed rice-legume cropping systems for different toposequences in Barind tract. Paper presented in the Research Planning and Review Workshop for RLRRC held at BRRI in May 1996.

2. **Mollah, M.I.U.,** Mazid, M.A., N. E. Elahi and L. J. Wade. Verification of cropping systems technology generated at Rainfed Lowland Rice Research Consortium (RLRRC) site, Rajabari, Rajshahi. Paper presented in the Research Planning and Review Workshop for RLRRC held at BRRI in April 1999

3. **Mollah, M.I.U.,** Mazid, M.A., N. E. Elahi and L. J. Wade. Evaluation of chickpea inoculum in rice-chickpea cropping systems in High Barind Tract. Paper presented in the Research Planning and Review Workshop for RLRRC held at BRRI in April 1999.

4. **Mollah, M. I. U.,** A. Saha, M.A.H. Khan and M.A. Quddus. 2006. Communication strategy of BRRI. Submitted to National Agro-forestry Working Group, Bangladesh (NAWGB), Bangladesh Agricultural Research Council, Dhaka 1215.

5. Mazid, M. A., L. J. Wade, M. A. Saleque, A. B. S. Sarker, **M. I. U. Mollah**, A. B. Olea, S. T. Amarrante and C. G. McLern.1998. Nutrient management in rainfed lowland rice for the High Barind Tract of Bangladesh. *In* Rainfed Lowland Rice: Advances in Nutrient Management Research. Proccedings of the International Workshop on Nutrient Research in Rainfed Lowlands, 12-15 Oct. 1998, Ubon Ratchani, Thailand. Manila (Philippines): IRRI: 217-227.
6. Mazid M. A., **I. U. Mollah,** E. Haque and L. J. Wade. 1999. Short- to medium-duration rice in rotation with chickpea in Bangladesh. International Rice Research Notes. IRRI, Philippines. 24(1): 44p.

7. Karim, S.M.R., M.N. Islam, H.U. Ahmed, **M. I. U. Mollah,** M.A. Ali, M.Z. Alam, M.A. Islam and M.A.B.S. Sarker.1997. Problem-based technology generation course for rainfed lowland rice environments. Published by the International Rice Research Institute (IRRI), Philippines.

8. Choudhury, N.H., M.N. E. Elahi and **M.I.U. Mollah.** Rice-wheat system research in Bangladesh. Report presented at the RTCC meeting of Rice-Wheat Consortium, held at Nepal on September 28 to October 02, 2000.

9. Elahi, M.N. E., **M.I.U. Mollah,** S.M.R. Karim, A. Khatun and N.H. Choudhury. New establishment methods of rice and non-rice crops in rice-wheat and rice-rice cropping systems. Paper presented in the International Workshop on Conservation Agriculture for Food Security and Environment Protection in Rice-Wheat Cropping Systems, February 6-9, 2001, Lahore, Pakistan.

10. Alam, M.M., N.I. Bhuiyan, **M.I.U. Mollah.** M.A.H. Khan, N. E. Elahi, J.K. Ladha and R.J. Buresh. Rice-wheat system research in Bangladesh. Paper presented in the Regional Technical Steering Committee held at New Delhi, India during 10-16 February 2002.

11. Khan, A.H., **I. U. Mollah,** N.E. Elahi, M. Alam, A. Quddus, N.I. Bhuiyan, C.A. Meisner and P.R. Hobbs. Long-term implication of Chinese hand tractor on soil health, biotic factors and the agronomic productivity of the rice-wheat system. Paper presented in the final meeting of DFID on rice-wheat system held in Katmandu, Nepal from 6-12 May 2002.

12. Khan, M.A.H., M.A. Sufian, **M.I.U. Mollah,** M.H. Rashid, M.E. Baks, M.I. Hossain, A.S.M.H.M. Talukdar, M.A. Quddus, M.A. Baqui, M. M. Alam & J.K. Ladha. Enhancing farmers' income and livelihoods through integrated crop and resource management in the rice-wheat systems in south

Asia. Paper presented in the 1st Project Review and Plan Meeting held in Lahore, Pakistan during February 14-17, 2006.

13. Khan, A.H., **I.U. Mollah,** H. Rashid, A. Quddus, M. Alam & J.K. Ladha. Productivity evaluation of rice-wheat cropping system under new crop establishment technique. Compilation report on the project of integrated soil water and nutrient management for sustainable rice-wheat cropping systems in Asia. Paper presented in the 4th Research Coordination meeting of the FAO/IAEA held at IAEA Headquarter, Vienna, Austria, November 6-10, 2006.

14. Mazid, M.A., M.A.Ali, M. A. Mannan, **I.U. Mollah,** H.U. Ahmed and L.J. Wade.1997. Technical report for 1996. Presented in the 8th Steering Committee Meeting of Rainfed Lowland Rice Research Consortium at New Delhi, India, May 23-25, 1997.

15. Mazid, M.A., M.A.Ali, **I.U. Mollah** and S.B. Siddique.1998. Terminal report for 1994-97. Rainfed Lowland Rice Research Consortium, key site Rajshahi, Bangladesh. Submitted to the Leader, RLRR Ecosystem Program, IRRI, Los Banos, Philippines. P.135

16. Mazid, M.A., **I.U. Mollah,** M. A. Mannan, N.E. Elahi, M.A.Ali, H.U. Ahmed, M. Hasan, M.A. Rashid, S.B. Siddique, J. Kumar and L.J. Wade. 1997. Rainfed rice-chickpea cropping system to increase productivity of High Barind Tract of Bangladesh. Poster Presented in the International Food Legume Research Conference at Adelaide. South Australia, 22-26 September, 1997.

17. Mazid, M.A., M.A. Mannan, **M.I.U. Mollah,** H.U. Ahmed, M. Hasan and A. Ali. 1998. Technology packages for rice-based cropping systems for increased productivity of Rajshahi region. *In* the proceedings of the Farmer-Extension Research Workshops in collaboration with DAE, BRRI and BARI during Oct. 1996 to Aug. 1997.

18. Elahi, N. E. M., S. B. Naseem, A. H. Khan, M. H. Ali, P. C. Bhattacharya, **I. U. Mollah** and S. M. Shahidullah.1997. Diversified farming to increase system productivity in different ecosystems. *In* the proceedings of the workshop on modern rice cultivation in Bangladesh, 16-18 April, 1996. BRRI: 173-198.

19. Mazid, M. A, **M. I. U. Mollah**, M.A. Mannan, N. E. Elahi and L. J. Wade. 2001. Rainfed rice - chickpea cropping system - a sustainable technology to increase productivity of the High Barind Tract of Bangladesh. *In* the proceedings of the workshop on modern rice cultivation in Bangladesh, 14-16 April, 1999. BRRI: 171-187.

20. Elahi, N. E., A. H. khan, M. R. Siddique, A. Saha, M. Nasim, **M. I. U. Mollah** and S. M. Sahidullah. 2001. Existing cropping pattern of Bangladesh, potential technologies and strategies for

improving systems productivity. *In* the proceedings of the workshop on modern rice cultivation in Bangladesh, 14-16 April, 1999. BRRI: 107-169.

21. Mazid, M.A., J. Islam, M.A. Mannan, M. Hasan, H.U. Ahmed, **M.I.U. Mollah** and A. Ali. Rice-based crop production technology under irrigated condition for Rajshahi region (AEZ 4, 11, 25 and 27). Paper presented in the TCTTI workshop for Rajshahi region held on October 8, 1996 at BRRI Regional Station, Shyampur, Rajshahi.

22. Elahi, M.N. E., S.M.R. Karim, **M.I.U. Mollah,** M. Nasim and A. Khatun. Progress report on tillage and crop establishment research in rice-wheat based cropping systems. Paper presented in the NTCC meeting held at CIMMYT on August 17, 1999.

23. Elahi, M.N. E., **M.I.U. Mollah,** A. Khatun and S.M.R. Karim. Progress report on tillage and crop establishment research in rice-wheat based cropping systems. Paper presented in the NTCC meeting held at BRRI on June 5, 2000.

24. Khan, A.H., **M. I. U. Mollah,** M. Ibrahim, A. Khatun, M.A. Quddus, M. Hossain and M.S. Kadian. Double transplanting of Boro rice: Potential option for optimizing productivity of T. Aman-Potato-Boro cropping pattern. *In* the proceedings of the workshop on modern rice cultivation in Bangladesh, 19-21, September, 2006. BRRI: 71-80.

25. Quddus, M.A., S.M. Shahidullah, **M.I.U. Mollah**, A. Saha and S.K. Zaman. Report on production demonstration of fodder crops in *Charlands* of southeast coastal region of Bangladesh. Paper presented in the Project Review Meeting held at CIMMYT- Bangladesh, Dhaka on May 31, 2007.

26. Quddus, M.A., A.H. Khan, H. Ali, **M.I.U. Mollah**, A. Saha, M. Ibrahim, H. Rashid, M.S.A. Talukder, M. H. Rashid & M.R. Dewan. Agro-forestry Activities of Rice Farming Systems Programme Area, BRRI. Paper presented in National Workshop on Agro-forestry held at BARC, Farm gate, Dhaka during 05-06 June, 2007.

27. Quddus, M.A., M.H. Kabir, A. Saha, A.H. Khan, **I.U. Mollah**, M. Ibrahim, and M.S.A. Talukder. 2008. Rice based improved cropping systems research of BRRI. *In:* Proceedings of the National Workshop on Research and Development of Multiple Cropping System in Bangladesh. 17 April, 2008, BARC, Farmgate, Dhaka: 23-35.

12. Experiences (length of service): 28 years and 02 months (on 01-01-2015).

13. Service Records:

Designation	From	To	Place of posting	Organization	Discipline
CSO	24-8-13	Contd.	Gazipur	BRRI	Training
PSO	22-04-09	24-8-13	Gazipur	BRRI	Training
PSO	18-12-07	21-04-09	Comilla	BRRI	RFS
SSO	16-05-99	17-12-07	Gazipur	BRRI	RFS
SSO	19-06-96	15-05-99	Rajshahi	BRRI	RFS
SO	05-02-91	18-06-96	Gazipur	BRRI	RFS
SO	09-11-86	04-02-91	Rajshahi	BRRI	RFS

14. Job Description:

I. CSO: Training of GO-NGO extension personnel, researchers and farmers on rice production technology.

II. PSO: Training of GO-NGO extension personnel, researchers and farmers on rice production technology.

III. PSO: Rice based farming system research and technology development and dissemination.

IV. SSO: Rice based farming system research and technology development and dissemination.

V. SO: Rice based farming system research and technology development and dissemination.

15. Research Achievement

A. List of technology developed:

As a working scientist involved in the development/validation/refinement/extension/ dissemination of the following cropping systems technologies developed by Rice Farming Systems Division, BRRI

I. Ecosystem: Irrigated highland to medium highland (Phase-I), clay loam to clay soil

1. TP Boro (BRRI dhan29/ BRRI dhan28/BR14) - T.Aman (BR10/ BR11 BRRI dhan30/ BRRI dhan31/ BRRI dhan32)
2. Chickpea (BARI Chhola-2) – WS Aus (BR26) – WS Aman (BRRI dhan33)
3. Chickpea (BARI Chhola-2) – WS Aus (BR26) – T.Aman (BRRI dhan32)
4. WS Boro (BRRI dhan28) – GM (STP: *S. rostrata*) – T.Aman (BR10/BR11/ BRRI dhan31)
5. WS Boro (BRRI dhan28) – TP Kangkong (stem cutting) – T.Aman (BRRI dhan32)
6. Early Rabi (Jharsheem-1) – TP Boro (BRRI dhan28) – T.Aman (BRRI dhan32)
7. Early Rabi (BARI Motor-2) – TP Boro (BRRI dhan28) – T.Aman (BRRI dhan32)
8. Early Rabi (GM: Sunnhemp) – TP Boro (BRRI dhan28) – T.Aman (BRRI dhan32)

9. Early Rabi (Mustard: Improved Tori-7) – TP Boro (BRRI dhan28) – T.Aman (BRRI dhan32)
10. Early Rabi (Potato) - TP Boro (BRRI dhan28) - T.Aman (BRRI dhan32)

II. Ecosystem: Irrigated highland, clay loam to loamy soil.

11. Rabi (Wheat: Kanchan/Shatabdi) – Mungbean (BARI Mug) – T.Aman (BRRI dhan39)
12. Maize (Hybrid) – T.Aman (BRRI dhan39)
13. Potato (Diamont)– Sweat gourd (Local Improved) – T.Aman (BRRI dhan39)
14. Potato (Diamont) – Mungbean (BARI Mug) – T.Aman (BRRI dhan39)

III. Ecosystem: Rainfed highlight to medium highland (Phase-I), clay loam to clay soil.

15. T.Aus (BR1/BR26) – T.Aman (BR10/BR11/BRRI dhan31/BRRI dhan32)
16. T.Aus (BR3/BR14) – T.Aman (BR22/BR23/Latishail)
17. LIV T.Aus – T.Aman (BRRI dhan32/BR22/BR23)
18. T. Aus (BR1/BR26) – T.Aman (BR22/BR23/BRRI dhan32/Latishail)
19. Fallow/Aus (GM: Sesbania rostrata) – T.Aman (BR10/BR11/BRRI dhan31)
20. Fallow/Rabi (Grasspea/Lentil) – DS Aus (BR21) – T.Aman (BR10/BR11/BRRI dhan31/ BRRI dhan32)

IV. Ecosystem: Rainfed drought prone, Barind Tract soil

21. Rabi (Chickpea: Nabin/BARI Chhola-3) – T.Aman (BRRI dhan32/ BRRI dhan33)

V. Ecosystem: Irrigated (G-K Project area), loam to clay loam soil

22. T.Aus (BR1/BR14/BR26) – T.Aman (BR10/BR11/BRRI dhan31/BRRI dhan32)/ Rabi (Grasspea relayed)

VI. Ecosystem: Irrigated (North Bangladesh Tubewell Project), sandy loam to loam soil

23. Rabi (Wheat: Khanchan) – GM (Sunnhemp) – T.Aman (BR10/BR11/BRRI dhan31/ BRRI dhan32)

VII. Ecosystem: Irrigated medium highland (phase-II), low to lowland (Deepwater), clay loam to clay soil

24. TP Boro (BR3/BR14/BR17/BR18/BR19/BRRI dhan29/ BRRI dhan28) – TP DW Aman/Fallow
25. Early Rabi (Mustard: Improved Tori-7) – TP Boro (BRRI dhan28/BR14)
26. TP Boro (BR14/BRRI dhan28) – T.Aman (BR22/BR23/ BRRI dhan46)
27. TP Boro (BRRI dhan29) – T.Aman (BR22/BR23/BRRI dhan46)

VIII. Ecosystem: Rainfed Medium lowland (Deepwater), silty loam to loam soil

28. Rabi (Wheat: Kanchan with straw mulch) – DW Aman (Sadapankaich/Khama)
29. Rabi (Potato: Malta/Diamond/Cardinal with straw mulch) – Sesame (Local) – DW Aman (Hijholidigha/Khama) (Relay or sequential)
30. Rabi (Mustard: Improved Tori-7/Tori-7) – Sesame (Local) – DW Aman

(Hijholidigha/Khama) (Relay or sequential)

IX. Ecosystem: Tidal Wetland (Non-saline)

31. T. Aus (BRRI dhan27/Local Mala) – T.Aman (BR22/BR23)
32. T. Aus (BRRI dhan27/Local Mala) – T.Aman (BRRI dhan44)
33. Fallow/Rabi (Khesari/Chilli/Sweet potato) – T.Aman (BR6110-10-1-2/ BRRI dhan31)

X. Ecosystem: Rainfed upland (high land), Madhupur Tract soil

34. Rabi (Blackgram: Baramashi) – DS Aus (BR21)
35. Rabi (Radish: Tasakisan Mula-1) – DS Aus (BR21)
36. DS Aus (BR14) – Early Rabi (Blackgram/Mustard/BARI Sheem-1/BARI Motor- 2/Jharsheem-1)
37. Kangkong (Vegetables with maximum three cuts followed by seed production)

XI. Ecosystem: Rainfed Medium Highland (Madhupur Tract)

38. DS Aus (BR21) – T.Aman (BR10/ BR11/ BRRI dhan31/ BRRI dhan32)
39. T.Aus (BR26) - T.Aman (BR10/ BR11/ BRRI dhan31/ BRRI dhan32)

B. List of Outstanding/Notable Research Contribution, Award received:

1. Awarded a **Distinction** certificate in Training and Technology Transfer Course by IRRI Philippines.
2. Awarded an **Outstanding** performance certificate in Rice-Fish Farming Systems Research Course by IRRI Philippines.
3. Major contribution for development of profitable Rice + Pigeonpea intercropping system for upland ecosystem.
4. Major contribution for development of Rice - Chickpea cropping system for High Barind Tract.
5. Rice-wheat system research of Bangladesh through special project of DFID, ADB and Cornell University.
6. Research for Resource Conservation Technology especially Bed Planting System in rice-wheat cropping systems.
7. Validation and dissemination of N management of rice by using LCC in rice-wheat ecosystem for enhancing livelihood of farmers.
8. Validation and dissemination of wet seeding of rice by using drum seeder in rice-wheat ecosystem for enhancing livelihood of farmers.
9. Validation and dissemination of rice-wheat-mungbean cropping system for increasing productivity rice-wheat ecosystem.

10. Trained about 1350 farmers and SAAO on N management of rice by using LCC and wet seeding of rice by using drum seeder in Kushtia, Chuadanga, Meherpur and Jhenaidah districts.
11. Trained all SAAO of DAE in Kushtia, Chuadanga, Meherpur and Jhenaidah districts on integrated rice production technologies.
12. Trained about 8,000 SAAO, AEO, UAO and CPS of DAE, extension personnel of NGOs, officers of BADC and scientists on rice production and rice based technologies.
13. Trained farmers on rice production technologies.
14. Developed and disseminated Bangladesh Rice Knowledge Bank (BRKB).

(**Md. Islam Uddin Mollah)**