

# CURRICULUM VITAE



## Personal profile:

Name : AKM SAIFUL ISLAM  
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Date of birth : May 09, 1968  
Nationality : Bangladeshi  
Language : Bangla (mother tongue), English

## Education:

**PhD in Farm Power and Machinery** (Ag.Engg.) From Bangladesh Agricultural University (BAU), Mymensingh completed in 2012

**Post Graduate Diploma course on Agricultural Mechanization and Machinery Engineering** in Silsoe College, Cranfield University, UK during 1997

**MS in Farm Power and Machinery** (Ag.Engg.) From Bangladesh Agricultural University (BAU), Mymensingh, Passed in 1996 and obtained **First Class (Grade A)**

**BACHELOR OF SCIENCE IN AGRICULTURAL ENGINEERING** from Bangladesh Agricultural University (BAU), Mymensingh, Passed in 1990 and obtained **First Class and stood First**

## Employment Experiences: 20 (Twenty) **plus years** and Records:

Duration : April 2014 to Date Employer : Bangladesh Rice Research Institute, Gazipur Position : <b>Principal Scientific Officer, Farm Machinery and Postharvest Technology Division</b>
Duration : June 2006 to April 2014 Employer : Bangladesh Rice Research Institute, Gazipur Position : <b>Senior Scientific Officer, Farm Machinery and Postharvest Technology Division</b>
Duration : August 1998 to May 2006 Employer : Bangladesh Rice Research Institute, Gazipur Position : <b>Scientific Officer, Farm Machinery and Postharvest Technology Division</b> Duties : Machinery Development, Machinery Testing & Evaluation, Postharvest Technology Development, Renewable Energy Resources Development & Utilization and Adoption of Appropriate Agricultural Machinery.
Duration : Feb 1998 to Aug 1998 Employer : International Fertilizer Development Centre, Agrobased Industries and Technology Development Project, An USAID Supported Project of The Ministry of Agriculture Position : <b>Assistant Program Officer (Agrimachinery and Agroprocessing Equipment)</b> Duties : Assess technological opportunities and constraints of agricultural machinery enterprises. Identify potential agricultural machinery manufacturers and provide technical assistance to these manufacturers. Prepare a detailed manual on operation, servicing, adjustment and safety procedures for each machine. Organize workshop, meetings and training programs on agricultural machinery production technologies to stimulate entrepreneurs to undertake commercial agricultural machinery production and marketing. Prepare, furnish and follow-up periodic reports and returns including assessment of project impacts to various entrepreneurs. Maintain liaison & support programs in other focus areas.
Duration : Nov 1997 to Feb 1998

Employer : Secom Limited, Dhaka Position : <b>System Analyst</b> Duties : Processing data on customer's demand, Developing software to meet specific requirement of the valued customers at home and abroad, Organise training courses on the latest software applications.
Duration: Jul 1997to Oct 1997 Employer : Kranti Associates Ltd, Dhaka Position : <b>Computer Programmer</b> Duties : Benefit Monitoring and Evaluation of the Khulna -Jessore Drainage Rehabilitation Project of Bangladesh Water Development Board. Planning, Organizing and Coding the Questionnaires, Assist in checking, verifying and editing data. Develop customize programme for data analysis, Produce output tables.
Duration : May 1995 to Dec 1996 Employer : Bangladesh Agricultural University, Mymensingh Position : <b>Research Associate</b> Duties : Ploughs for Poor Farmers of Bangladesh Project Assist the team in designing the questionnaires for field survey, Planning, Organizing and Coding the Questionnaires, Assist in checking, verifying and editing data, Develop Customize programme for data analysis, Produce output tables and their analysis, Report Preparation.
Duration : Jan 1994 to April 1995 Employer : Bangladesh Agricultural University, Mymensingh Position : <b>Research Associate</b> Duties : Energy Requirement and Cost Audit under Rice-Based CDP Cropping System project Assist the team in designing the questionnaires for field survey, Planning, Organizing, and coding the Questionnaires, Assist in checking, verifying and editing data. Develop customize programme for data analysis, Produce output tables and their analysis, Selection of most profitable cropping pattern through Critical Path Method (CPM). Sd, CV, Correlation, Correlation Matrix, Regression, Multiple Regression Analysis & Report Preparation.

## **Professional Trainings:**

### **A. Foreign training:**

Field of Training	Place and country	Duration		
		Starting time	Completion time	Length
Farm machinery	Tamil Nadu and Bhopal, India	22/06/2000	04/08/2000	6 weeks
C++ and LINUX	Tamil Nadu, India	June' 2000	July' 2000	2 weeks
Study visit	Canton, China	17/10/02	24/10/02	1 weeks
International Training Course on New Technology of Agricultural Engineering	CAAMS, China	10/04/04	24/04/04	2 weeks
Rice Post Harvest Processing II	JICA, Japan	30/08/2005	12/11/2005	7 weeks

**B. In-country Training:**

Field of Training	Place	Duration		
		Starting time	Completion time	Length
Rice production, Communication & Office Management	HQ, BIRRI	18/10/1998	15/12/1998	2 months
Technology Transfer on Water Management, Mechanization & Agro-Processing	HQ, BIRRI & RDA, Bogra	24/05/1999	06/06/1999	2 weeks
Foundation Training Course	BARD, Comilla	17/10/1999	30/01/2000	15 weeks
AutoCAD	ATC, Dhaka	Feb,2000	Feb'2001	4 weeks
Training of Trainers on Participatory Reflection and Action	VERC, Dhaka	07/02/2001	14/02/2001	2 weeks
Project Cycle Management Course	RDA, Bogra	09/09/02	11/09/02	1 week
Participatory Technology Development with a systems and Sustainable Livelihoods Perspectives	FSES, BAU, Mymensingh	27/11/02	06/11/02	2 weeks
Safe use of herbicides and effective weed control	RDRS, Rangpur	16/01/11	20/01//11	1 week

**Other Experiences:****A) Participation in Technology Development and Transfer Activities**

Sl no.	Name of Technology Developed	Present Status of Adoption	Remarks
1	USG briquetting machine	Entrepreneurs of Bangladesh have accepted the technology	Entrepreneurs acceptability is quite satisfactory and farmers use USG extensively
2	Push type USG applicator	Tested further modification is needed	Location specific (North bengal) adaptable is good.
3	Power corn sheller	Adopted in Bogra district	Cattle farmers are getting benefit
4	UMB mixing machine	Adopted in Kapasia	
5	BIRRI Weeder BIRRI Rice-Wheat Reaper BIRRI open drum power thresher BIRRI Rice wheat thresher BIRRI power winnower BIRRI Chula	Adopted in Thakurgaon, Dinajpur, Bogra, Comilla districts and BIRRI R/S	Conducting extensive demonstration program in 21 districts to popularize BIRRI machine
6	Improvement of power transmission method in low cost opendrum thresher	Adopted in Comilla and Netrokona district on 50% cost share basis	Similar adoption model canbe applied in other region of Bangladesh
7	Flywheel attachment in Power Thresher	Fabricated under PAMP project and disseminating in the 21 districts	Increases the threshing capacity up to 23% and clogging tendency was removed
8	Developed reverse mode PT mounted reaper	Developed last year through participatory technology development method with NGO and local workshop mechanic in Tangail district	Prototype tested and demonstrated in Tangail district under REFPI project
9	Developed self propelled reaper		
10	Developed technology package for fine rice processing		

		exporters	
11	Improvement of Versatile Multi-crop Planter	Planter evaluated, improvement and disseminated to the farmers	Prototype tested and demonstrated in Rajshahi district
12	Development and Dissemination of BRRI prilled urea applicator	Applicator developed, evaluated, and disseminated to the farmers	Prototype tested and demonstrated in Gazipur, Rangpur, Comilla, Kushtia, Rajshahi, Jourpurhat, Gaibandha, Gopalganj, Kurigram and Barisal district

### B) Supervised MS and under graduate students

Sl. No.	Name of the student, Roll no. and Reg. no.	Title of the thesis	Year	Remarks
1	Md. Monowarul Islam Roll no. 8 Reg. 19484 (Session 1992-93)	Performance evaluation of locally made Hydro tiller	2001	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
2	Jibon Krishna Shaha Roll no. 3 Reg. 19456 (Session 1992-93)	A Study on the Economic Performance of small Engines used in Agriculture	2002	Department of Farm Power and Machinery, Bangladesh Agricultural University
3	Md. Masudul Karim Khan Roll no. 1 Reg. 20470 (Session 1993-94)	Comparative Performance of Closed Drum Threshers	2002	Department of Farm Power and Machinery, Bangladesh Agricultural University
4	Mohammad Zulfiquir Vhutto Roll no. 02 Reg. 21482 (Session 1994-95)	Study of coarse rice processing in commercial rice mills in Chapai Nawabganj	2004	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
5	Ajoy Kumar Singha Roll No. 23426 Session: 1996-97	Grading and quality of the popular rice varieties sold in selected local markets of Bangladesh	2005	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
6	Md. Mostafizar Rahman Roll No.08 Ag. Engg. FPM-JJ.10M Reg. No. 29760 Session: 2002-03	Prospect of rice bran oil production in Rangpur district	2009	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
7	Bhubaneshare Deb Barman Student Id: 0907038 Zakia Fardous Student Id: 0907052 Sadia Mubarak Student Id: 0907053 Semester: July –December, 2012	Effect of seed rate on missing hill and seedling density in mechanical rice transplanter	2014	Hajee Mohammad Danesh Science and Technology University, Dinajpur
8	Md. Tariqul Islam Roll No. 13FPM JD 03M Reg. No. 35609 Session: 2008-09	Management aspects and performance parameters of DAEDONG transplanter in relation to commercial use	2014	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
9	Imdadur Rahman Roll No. 13FPM JD 02M	Yield characters and profitability analysis on	2014	Department of Farm Power and Machinery,

	Registration No. 35542 Session: 2008-09	mechanical transplanting over manual transplanting		Bangladesh Agricultural University, Mymensingh
10	Md. Samiul Islam Student Id: 0907054 Md. Rizwanur Rahman Student Id: 1007068 Jeenat Ara Student Id: 1007075	Study the present status of agricultural machinery manufacturing industry in Bogra and Dinajpur districts	2015	Hajee Mohammad Danesh Science and Technology University, Dinajpur
11	Jannatul Ferdows Student Id: 1007043 Shanjida Akter Shanta Student Id: 1007056 Farha Anjum Tapu Student Id: 1007059	Study on performance evaluation of self propelled reaper	2015	Hajee Mohammad Danesh Science and Technology University, Dinajpur
12	Umma Habiba Student Id: 1007048, Sabia Afrin Student Id: 1007064 Habiba Jesmin Puspha Student Id: 1007070	Performance test of mechanical rice transplanter	2015	Hajee Mohammad Danesh Science and Technology University, Dinajpur
13	Nafisa Ahammed Khan Roll no. 14FPMJJ-09M Reg.: 36678 Session:2009-2010	Performance evaluation of BRRI prilled urea applicator at farmer's field	2015	Department of Farm Power and Machinery, Bangladesh Agricultural University, Mymensingh
14	MST. Mukta Parvin Student Id: 1107050 Dipika Roy Student Id: 1107066 Thamina Nasrin Student Id: 1107061	Evaluation of low land rice weeder in aus season at farmer's field	2016	Hajee Mohammad Danesh Science and Technology University, Dinajpur
15	Md. Samiul Alam Student Id:1007051 Md Sakib Shohel Student Id:1007052 Topu Kumar Roy Student Id: 1007073	Performance evaluation of BRRI prilled urea applicator in aus season	2016	Hajee Mohammad Danesh Science and Technology University, Dinajpur

### C) Project building and execution

#### i. With Ministry of Agriculture

Executing program “**Field Trial and Demonstration of Promising Farm Machinery and Technology to the Farmers**” Pirojpur-Gopalganj-Bagerhat Integrated Agricultural Productivity (PGBIADP).

#### ii. With Ministry of Agriculture

Executing program “**Field Trial and Demonstration of Promising Farm Machinery and Technology to the Farmers**” under Mujibnagar Integrated Agricultural Development Project (MIADP) in Kushtia, Meherpur, Chuadanga and Jhenaidah district.

#### iii. With IRRI and CIMMYT

Developed and executed project entitled “Farm level evaluation of mechanical rice transplanter, BRRRI weeder and BRRRI prilled urea applicator to boost up agricultural mechanization”. This research project was implemented in farmers’ field, Rangpur and Jhenidah district.

- iv. **With IDCOL, Bangladesh**  
Executed the program “**Determination of dynamic head, peak water demand, annual water demand in relation to rice based cropping system in 200 Upazillas of Bangladesh**”. Report submitted to IDCOL, Bangladesh.
- v. **With Ministry of Agriculture**  
Executing program “**Field Trial and Demonstration of Promising Farm Machinery and Technology to the LFS Farmers**” under Integrated Agricultural Productivity Project (IAPP) in northern and southern districts
- vi. **With ACI motors Ltd.**  
Executed project entitled “**Field performance of riding type transplanter at Bogra and Joypurhat district in Boro season**”. Tested and evaluated power tiller, walking type transplanter, shallow tube well, low lift pump, weeder, reaper and thresher.
- vii. **With Syngenta**  
Executed project entitled “**Evaluation of Tegra over traditional method of rice transplanting**” in Bogra district and Executed project entitled “**Observation on the tray requirement and area coverage of tranaplanter at Bogra and Joypurhat sites in Boro season**”
- viii. **With DAE, Rajshahi**  
Developed and executed project entitled “**Dissemination of BRRRI Developed Reaper and Thresher in Digram Agricultural Block of Rajshahi District**”. The project was executed with the DAE, Rajshahi under financial assistance of JICA, Japan.
- ix. **With NGO, Gram Bikash Sahayak Sangstha, Narshingdhi**  
Executed project entitled “**Introduction of Rice power threshers to the rural poor women in Narshingdhi district**”. The project was executed with the **Gram Bikash Sahayak Sangstha Narshingdhi and funded by REFPI-BAU/DFID.**
- x. **With NGO, PROVA, Rajshahi**  
Developed and executed project entitled “**Dissemination of BRRRI farm machinery among the resource poor farmers and improvement of fine rice processing technology in north-west region of Bangladesh**”. The project was executed with the PROVA, Rajshahi and funded by PETRRA-IRRI/DFID.
- xi. **With NGO, CIRAD, Tangail**  
Developed and executed project entitled “**Extension and Promotion of BRRRI Rice-Wheat Reaper in Tangail Districts**”. The project was executing with the Center for Integrated Rural and Agricultural Development (CIRAD), Tangail and funded by REFPI-BAU/DFID.
- xii. **With Bangladesh Agricultural University**  
Developed and executed project entitled “**Adoption of Diesel Engine Operated Opendrum Thresher in Two Selected Upazillas of Bogra and Netrokona Districts**”. The project was executed with the Department of Farm Power and

Machinery, Bangladesh Agricultural University and funded by REFPI-BAU/DFID.

**xiii. ARISAM project**

Improvement and executed the project entitled “**Adaptive Research and Impact Study of BRR I Developed Agrimachinery at Selected Sites of Bangladesh (ARISAM)**”. The project was executed in Dinajpur and Thakurgaon district and funded by BARC.

**D) Research programme developed, supervised and executed**

Sl. No.	Research programme developed	Initiation	PI	CI	Remarks
1	Testing, evaluation and modification of BRR I machines	1998	PI	--	Developed, supervised, executed
2	Test, evaluation and adaptation of power operated Japanese rice transplanter (AP 200) in Bangladesh	1999	--	CI	Developed, supervised, executed
3	A system approach to assess energy utilization at different stages of rice production	1999	PI	--	Developed, supervised, executed
4	Adaptive Research and Impact Study of the BRR I Developed Agricultural Machinery at Selected Sites of Bangladesh (ARISAM)	1999	--	CI	Supervised, executed
5	Storage of paddy seed in lamofoil and poly bags	2000		CI	Developed, executed
6	Study on the effect of flywheel attachment on power thresher	2000	PI	--	Developed, supervised, executed
7	Demonstration of BRR I developed machinery at farmer’s field	2001	--	CI	Developed, supervised, executed
8	Dissemination of BRR I farm machinery among the resource poor farmers and improvement of fine rice processing technology in North West region of Bangladesh	2002	--	CI	Developed, supervised, executed
9	Survey on the quality and acceptability of rice straw obtained from machine threshing	2002	PI	--	Developed, supervised, executed
10	Baseline survey of farm mechanization at selected sites of Bangladesh	2003	PI	--	Developed, supervised, executed
11	Farm level evaluations of BRR I machines	2003	PI	--	Developed, supervised, executed
12	Test and improvement of a self-propelled reaper for rice and wheat	2003	PI	--	Developed, supervised, executed
13	Training on operations, repair and maintenance of BRR I Machinery	2003	--	CI	Developed, supervised, executed
14	Development of systems for multipurpose	2004	--	CI	Developed,

Sl. No.	Research programme developed	Initiation	PI	CI	Remarks
	use of diesel engine of BRRRI rice-wheat thresher				supervised, executed
15	Effect of field drying on the head rice recovery of long grain and aromatic rice	2004		CI	Developed, supervised, executed
16	Industry level research on the processing of long grain paddy	2005	--	CI	Developed, supervised, executed
17	Study of the milling machinery suitable for long grain rice	2005	--	CI	Developed, supervised, executed
18	Impact study of BRRRI rice-wheat thresher-owning farmers and thresher manufacturer in Thakurgaon district	2005	PI	--	Developed, supervised, executed
19	Milling and processing of premium quality rice	2006	PI		Developed, supervised, executed
20	Evaluation of furrow maker and compared with conventional practices	2009	-	CI	Developed, supervised, executed
21	Improvement of Multicrop Planter	2009	PI	_	Developed, supervised, executed
22	System productivity of rice-maize cropping system under conservation tillage practices	2009	PI		Developed, supervised, executed
23	Effect of tillage and residue retention on soil physical and chemical properties in rice-maize cropping systems	2009	PI		Developed, supervised, executed
24	Energy consumption in rice-maize cropping systems under conservation tillage	2009	PI		Developed, supervised, executed
25	Evaluation of the planter to establish direct seeded rice under minimum tillage practices	2010	PI		Developed, supervised, executed
26	Evaluation of the planter to establish pulse and wheat under minimum tillage practices	2010	PI		Developed, supervised, executed
27	Evaluation of the planter to establish sprouted direct-seeded rice	2010	PI		Developed, supervised, executed
28	Evaluation of the planter to establish unpuddled transplanting of rice in High Barind Tract	2010	PI		Developed, supervised, executed
29	Evaluation of Mechanical Transplanter in Unpuddled Transplanting of Wet Season Rice in Sandy Loam Soil	2012	PI		Developed, supervised, executed
30	Design and development of BRRRI prilled urea applicator	2013	-	CI	Supervised, executed
31	Development of panicle thresher	2013	PI	_	Developed,



Sl. No.	Research programme developed	Initiation	PI	CI	Remarks
					supervised, executed
32	Testing of hand reaper for harvesting rice	2014	PI	-	Developed, supervised, executed
33	Improvement of air-blow engelberg huller	2014	-	CI	Developed, supervised, executed
34	Evaluation of fertilizer applicators in rice field	2015	PI		Developed, supervised, executed
35	Evaluation of power weeder in rice field	2015	PI		Developed, supervised, executed
36	Selective mechanization in rice cultivation	2016	PI		Developed, supervised, executed
37	Weed management in mechanically transplanted rice field	2016	PI		Developed, supervised, executed
38	Business model development of mechanical rice transplanter	2016	PI		Developed, supervised, executed
<b>A total of 33 research program</b>			<b>20</b>	<b>13</b>	

PI= Principal Investigator, CI=Co-investigator

### **Project/Dissertation title**

- PhD Dissertation Title “ Development of Multi-crop Planter for Conservation Agriculture”
- MS Dissertation Title “Development of Power Tiller mounted Boom Sprayer”
- B.Sc. Engineering (Hons.) project title “Tractive Performance of Power tiller”

### **List of publications**

Published full paper as **Principal Author**

- AKMS Islam**, MA Rahman, AKML Rahman, MT Islam, MI Rahman 2016: Techno-economic performance of 4-row self-propelled mechanical rice transplanter at farmers' field in Bangladesh. *Progressive Agriculture* 27 (3):369-382.
- AKM Saiful Islam**, Md Tariqul Islam, Md Shakilur Rahman, Md Abdur Rahman, Youngjung Kim 2016: Investigation on Selective Mechanization for Wet Season Rice Cultivation in Bangladesh. *J. of Biosystems Eng.* 41(4):294-303.
- AKM S Islam**, MA Rahman, ABM Z Rahman, M Rahman, YJ Kim 2016: Comparison of Tegra and Conventional Rice Cultivation in Bangladesh. *Bangladesh Rice J.* 20(1):33-43.
- AKM Saiful Islam**, MA Rahman, AKM Lutfur Rahman, MT Islam and MI Rahman 2015: Field Performance Evaluation of push type prilled urea applicator in low land rice cultivation. *Bangladesh Rice J.* 19 (2):68-78.
- AKM Saiful Islam**, MA Saleque, MM Hossain and AKM Aminul Islam 2015: Effect of Conservation Tillage on Soil Chemical Properties in Rice-Maize Cropping System. *The Agriculturists* 13(2):62-73.
- AKM Saiful Islam**, MT Islam, MA Rabbani, MA Rahman and ABM Ziaur Rahman 2015: Commercial mechanical rice transplanting under public private partnership in Bangladesh. *J.*

- Biosci. Agric. Res. 06(01):501-511.
- vii. **AKM S Islam**, MM Hossain, MA Saleque, MA Rahman and AE Rabbani 2014: Energy input-output relationship in rabi maize (*Zea mays* L.) cultivation under minimum tillage. Journal of IEB/AE, 41(2):55-60.
  - viii. **AKM S Islam**, MM Hossain and MA Saleque 2014: Effect of unpuddled transplanting on growth and yield of dry season rice in high barind tract. The Agriculturists 12(2): 91-97.
  - ix. **AKM Saiful Islam**, MM Hossain, MA Saleque 2014: Conservation agriculture options for a Rice-Maize cropping systems in Bangladesh. Bangladesh Rice J. 18(1&2): 44-53.
  - x. **AKM S Islam**, MM Hossain, MA Saleque, MA Rabbani and RI Sarker 2013: Energy consumption in unpuddled transplanting of wet season rice cultivation in north-west region of Bangladesh. Progress. Agric. 24 (1&2):229-237.
  - xi. **AKM S Islam**, MM Hossain and MA Saleque 2013: Evaluation of Direct Seeded Rice Planter under Minimum Tillage Practices. The Agriculturists 11(2): 105-113.
  - xii. **AKM S Islam**, MM Hossain, MA Saleque and ME Haque 2013: Evaluation of a Versatile Multi-crop Planter to establish sprouted direct-seeded rice. J. Agril. Mach. Bioresour. Eng. 6(1&2):51-58.
  - xiii. **AKM Saiful Islam**, MA Rahman, MA Hossen, TH Ansari and B Karmakar 2013: Evaluation of Mechanical Transplanter in Unpuddled Transplanting of Wet Season Rice in Sandy Loam Soil. J. Agril. Mach. Bioresour. Eng. 6(1&2):59-67.
  - xiv. **AKM Saiful Islam**, MM Hossain, MA Saleque, MA Rahman, B Karmakar and ME Haque 2012: Effect of minimum tillage on soil properties, crop growth and yield of aman rice in drought prones northwest Bangladesh. Bangladesh Agron. J. 15(1):43-51.
  - xv. **AKM Saiful Islam**, M Ahiduzzaman, R I Sarker and MA Hossen 2011: Potentials of Rice Husk Fired Power Generation in Bangladesh: A Case Study. Journal of IEB/AE, 38(2):103-106.
  - xvi. **AKMS Islam**, JK Saha, MA Haque and MA Zaman 2006: Parts failure frequency of small engines used in agriculture. Int. J. Sustain. Agril. Tech. 2(4):36-41.
  - xvii. **AKM Saiful Islam**, MA Zaman, MP Islam and MZAVhutto 2006: Study of coarse rice processing in a commercial rice mill. J. Agric. Mach. Bioresour. Eng. 4(1&2):47-56.
  - xviii. **AKM S Islam**, MA Zaman, AK Singha 2006: Grading and quality of the popular aromatic rice varieties sold in selected local markets of Bangladesh. J. Subtrop. Agric. Res. Dev. 4(1):69-75.
  - xix. **AKMS Islam**, JK Saha, MA Haque and TK Sarkar 2006: Repair and maintenance cost model for small engines used in agriculture. International J. Eng. Tech. 3(1):38-43.
  - xx. **AKMS Islam**, JK Saha, MA Haque, MM Hasan and SS Haque 2006: Economic performance of small engines used in trolley. Intl. J. BioRes. 1(1):43-50.
  - xxi. **AKM S Islam**, MA Baqui, GK Bhuiyan and MS Hossain 2004: User opinion on the performance of BRRI Rice-Wheat thresher. Journal of IEB/AE, 31(1):29-34.
  - xxii. **AKM S. Islam**, M.A. Rahman, M. Ahiduzzaman and M.A. Baqui 2001: Energy Audit for Rice Production under Power Tiller and Bullock Farming Systems in Bangladesh. Online Journal of Biological Science. 1(9):873-876.
  - xxiii. **AKM Saiful Islam**, MAS Kowser Sarker, MA Rahman, MM Hossain, MM Alam 2001: Production Problems of Farm Machinery Manufacturing Industry in Bangladesh. Online Journal of Biological Sciences. 1(10):955-959.
  - xxiv. **AKMS Islam**, MM Hossain, MD Hussain, RI Sarker and M Alam 1996: Performance of Power Tiller Mounted Boom Sprayer. J.ofAgril. Mach. &Mech, 3(1&2):51-56.

#### Published full paper as Co-author

- i. BC Nath, MA Hossen, **AKMS Islam**, MD Huda, S Paul, MA Rahman 2016: Postharvest Loss Assessment of Rice at Selected Areas of Gazipur District. Bangladesh Rice J. 20(1):23-32.
- ii. M S Kabir, M U Salam, A Chowdhury, N M F Rahman, K M Iftekharuddaula, M S Rahman, M H Rashid, S S Dipti, A Islam, M A Latif, **A K M S Islam**, M M Hossain, B Nessa, T H Ansari, M A Ali and J K Biswas 2015: Rice Vision for Bangladesh: 2050 and Beyond. Bangladesh Rice J. 19 (2):1-18.
- iii. Syedul Islam, SMM Rahman, MA Rahman, MA Quasem, MD Huda, **AKM S Islam**, M Ahiduzzaman, GK Bhuiyan, MA Hossen MA Baqui 2009: Mechanized rice cultivation in Bangladesh: Past experiences and future potentials. AMA, 40 (1).

- iv. Rahman MM, MA Zaman, **AKM Saiful Islam** 2011: Prospects of rice bran oil production in Bangladesh. *Journal of Agricultural Engineering*, 39(1):45-52.
- v. MM Alam, SMM Rahman, **AKM S Islam**, MIN Khan, A Al-Amin 2009: Farmers' perspective in using open drum thresher. *Journal of IEB*, 36/AE.
- vi. BC Nath, MA Satter, MT Ahmed, Debjit Roy and **AKM Saiful Islam** 2009: Performances of direct and standard cooling for small engine used in irrigation. *Bangladesh Rice J.* 14 (1&2):161-167.
- vii. MGK Bhuiyan, MA Quasem, TK Sarker, MS Islam, MD Huda, **AKM S Islam** 2009: Studies on the quality of paddy stored in steel drum, plastic drum, low-cost cocoon and gunny bag. *Intl. J. BioRes.* 6(2):1-6.
- viii. MA Quasem, GK Bhuiyan, **AKM S Islam**, MD Huda and MM Islam 2006: Mobile rice huller: An alternative source of income for rural areas. *Intl. J. BioRes.* 1(4):31-34.
- ix. M.A. Zaman, S.M. Farouk and **A.K.M. Saiful Islam** 2006: Work environment and environmental pollutions in rice mills of Bangladesh. *J. Agric. Mach. Bioresour. Eng.* 4(1&2):67-73.
- x. MM Rahman, MM Hossain and **AKM S Islam** 2004: Modification and performance evaluation of self propelled reaper. *Journal of IEB/AE*, 31(1):23-28.
- xi. M.A. Zaman, Fahmida Khatun, S.Akhter, **A.K.M. Saiful Islam** 2004: Energy and labor utilization in commercial rice processing mills for parboiled rice. *J. Bangladesh Agril. Univ.* 2(2):325-334.
- xii. M.Syedul Islam, M. Abdul Ghani, **A.K.M. Saiful Islam** and M. Anisur Rahman 2003: Effect of drying and tempering on the milling quality of long grain aromatic paddy processing in Bangladesh. *Pakistan Journal of Biological Sciences* 6(9):1675-1680.
- xiii. MAS Kowser Sarker, **AKM Saiful Islam**, MM Hossain, MM Alam 2001: Status of Farm Machinery Manufacturing Industry in Some Selected Areas of Bangladesh. *Bangladesh Journal of Agricultural Engineering.* 12 (1&2):21-27.
- xiv. M.A. Satter, M.M. Hossain, M. Ayubuddin, M.R. Islam and **A.K.M.S. Islam** 1996: Impact of Homestead forestry on Domestic Energy Supply-A System Dynamic Approach. *J. of Agril. Mach. & Mech*, 3(1&2): 57-62.
- xv. M.M. Hossain, M.M. Alam and **A.K.M. Saiful Islam** 1995: Effect of Power Tiller Weight on the Field Performance. *J. of Agri. Mach & Mech* 2(1): 61-64.
- xvi. M.S. Islam, R.I.Sarker, M.D. Hussain; M.M. Hossain and **A.K.M.S. Islam** 1995: Crushing Mechanism of Oil Seeds and Performance of Animal Powered Ghani. *J. of Agril. Mach. & Mech.* 2(1): 55-56.

Proceedings/seminar/workshop/report as **Principal author**

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- iv) **AKM Saiful Islam** 2004: BRRRI rice wheat reaper: New addition in farm mechanization (Bangla). Published in bimonth paper, Krishibarta. Jan-Feb.

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**Leaflet as Co-author**

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**MEMBERSHIP OF PROFESSIONAL SOCIETIES**

1. Bangladesh Society of Agricultural Engineering (BASE)
2. Bangladesh Rice Research Institute Scientist's Association (BRRISA)
3. Institution of Engineers Bangladesh (IEB)

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