

Curriculum Vitae
of
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A. Education:

Degree	Subject	Institution/ University	Year of Award
Ph. D. in Environmental Science	Environmental Science	Bangladesh Agricultural University (BAU) Mymensingh	2011
M. S. in Horticulture	Horticulture	Bangladesh Agricultural University (BAU) Mymensingh	June 1995
B. Sc. Agriculture (Hons)	Agriculture	Bangladesh Agricultural University (BAU) Mymensingh	1989 (held in 1992)

B. Employment

Sl No	Employer/Organization	Position with Discipline/ Division	Actual Jobs/Duties Performed in this Position	From	To
1.	Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla	Director (Agriculture & Environment)	Training, Research and Project Design in the field of agriculture and rural development	02 September 2021	date
	Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla	Joint Director (Agriculture Extension)	Training, Research and Project Design in the field of agriculture and rural development	05 June 2012	01 September 2021
2.	Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla	Deputy Director (Agriculture Extension)	Conduct training courses and also taking classes as resource person for the participants from home and abroad, carry out research works and involve in pilot experimentation project in the field of agriculture and rural development	08 July 2007	04 June 2012
3.	Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla	Assistant Director (farm management)	Horticulture farm management and design, conduct training, research & pilot experimentation project	09 Sept. 1996	June 2007

C. Work Experience

Major fields of specialization are:

I. Waste and Environment Management

II. Horticulture

III. Training, Research and Pilot experimentation in agricultural and rural development

IV. Crop production and nutrient management

V. Ecological sanitation

Carry out training, research and action research in the field of Agriculture and Rural Development. Initiate adaptive research to find out the problems of rural people and take some initiative to overcome those problems through pilot experimental project in the relevant fields and organize seminar or workshop to disseminate project findings in a wider scale. Involve in preparing Project concept paper (PCP), Preliminary Development Project Pro-forma (PDPP), Development Project Proposal (DPP) and Technical Assistance Project Proposal (TAPP). Involved in making expert comments and suggestion on Government Policies and Strategies in the field of agriculture, horticulture, climate change and environment & forest. Involve in developing training module on climate change and its adaptation, and Environment issues. Conduct training classes on Environmental policies and related laws in Bangladesh, Climate change and its impact, Biodiversity and conservation of natural resources, cropping system study, Rural waste management and plant nutrient management, Water resources management in Bangladesh and Arsenic contamination and its remedies. I have worked as leader and as team member of different pilot projects and researches. I also work as guide to run thesis works of different students both in home and abroad particularly data collection from the fields and work as associate editor and reviewer of BARDS journals, newsletters, annual reports etc.

D. Information on Consultancy Services Rendered in Different Organizations

Significant contributions

i. Research:

I have conducted about 24 agriculture and rural development related research. Recent past I have done research based Ph. D. study on municipal waste management and its utilization in rice and potato production, and Effect of human excreta on the growth and yield of cauliflower and cabbage. Of which one paper was presented in a seminar at CIRDAP auditorium, Dhaka, Bangladesh held on 31 August 2009. Important studies are on i) “Effect of Extreme Events of Climate Change on the Livelihoods of Coastal Areas of Bangladesh” ii) “Agricultural transformation over the last three

decades (1992-2022) in Bangladesh and experience of agricultural mechanization through community enterprise” and iii) Application of information and Communication technologies and their Challenges in recent agricultural development in Bangladesh. Provide consultancy services to other researches.

Research Concept paper summited

1. Exploring the Effectiveness and Challenges to Adoption of Rice Transplanted and Combine Harvester in Bangladesh: An Application of Structural Equation Modeling to cabinet
2. Efficiency of Black Soldier Fly in poultry and fish farming and waste utilization to cabinet
3. Efficiency of Solar Power Irrigation in Fallow Land Utilization and Women Empowerment at the Selected Areas in Bangladesh to NAPD

ii. Action Research (Pilot Experimentation):

- i) Pilot testing of BRRI hybrid dhan-1 in Cumilla region, Bangladesh;
- ii) Ecological Sanitation especially on Eco-san fertilizers management and their application in crops fields,
- iii) Rural Waste management and resource recycle
- iv) Plant Disease Clinic
- iv) Component Leader on horticulture and forestry for *Comprehensive Village Development Programme (CVDP)*.
- v) Agriculture Mechanization and Collective Farming
- vi) Production of Trico-compost, Research and Business model

Action Research Paper Prepared (PCP, PDPP, DPP and TAPP)

- i. Sustainable Potato Seed Production Based on Tissue Culture and Marketing in the Eastern Region of Bangladesh
- ii. Ecological Farming for Sustainable Agriculture
- iii. Sustainable Intensification of Oil Crops-Rice Production System in Three Coastal Districts of Bangladesh
- iv. Production and marketing of quality rice and vegetable seeds through village institutions in some selected areas of Bangladesh

Consultancy Projects

Name of the Borrowing Organization	Country	Position	Brief Description of Assignment	Full/ Part Time	From	To
Socio consults pvt. Ltd., Panthapath, Dhaka	Bangladesh	Assistant researcher	Impact assessment study of chickpea in the high barind tract (HBT) -funded by DFID.	Part time	January 2006	June 2006
Bangladesh Agricultural Research Council (BARC)	Bangladesh	Assistant researcher	Techniques of overcoming rice yield stagnancy-funded by BARC.	Part time	July 2000	June 2001
International Rice Research Institute (IRRI) & Bangladesh Rice Research Institute (BRRI)	Bangladesh	Assistant Project Director	Pilot testing of BRRI hybrid dhan-1 in Comilla region, Bangladesh -funded by DFID, IRRI & BRRI.	Part time	July 2001	June 2004
CIMMYT Bangladesh	Bangladesh	Principal Investigator	Conservation Agriculture and Precision Nutrient Management Practices increases Rice-Maize based System Productivity and Profitability in Comilla – funded by Australian Centre for International Agricultural Research (ACIAR), CIMMYT Bangladesh.	Part time	July 2013	June 2014

iii. Training programmes developed/organized

I was involved in the following training module development on the basis of TNA:

- 1) Dissemination of modern farming technologies through farmer's organization and/or co-operative society;
- 2) Horticulture Nursery development,
- 3) Plant disease/pests diagnosis and their sustainable management
- 4) Homestead vegetable gardening. Attended in various training courses in both home and abroad of which most important are –i) Agriculture in Transition: Innovative approaches to sustainable farming in the Netherlands, ii) Vegetable production in Egypt and iii) Disaster Management in BCS Admin. Academy, Dhaka, Bangladesh.

Trainings attended

Title	Duration	Year	Institution and Country
Climate change governance: adaptation and mitigation as institutional change processes	2 weeks	2012	Wageningen University and Research, The Netherlands
Strategies for Sustainable Agriculture and Rural Development	4 weeks	2012	National Institute of Rural Development, Rajendranagar, Hyderabad, AP, India
Agriculture in Transition: Innovative approaches to sustainable farming in The Netherlands	2 weeks	2010	Wageningen University and Research, The Netherlands
Vegetable Production	10 weeks	2004	Egyptian International Centre for Agriculture, Egypt

Title	Duration	Year	Institution
Training of Trainers (TOT)	23 Feb.-18 March	2003	BSTD, Dhaka
Special Computer Application Course	5-19 July	2000	BPATC
TOT Course on Disaster Management'	29 Nov.-2 Dec.	1999	Bangladesh Civil Service Administration Academy
Workshop on awareness building on the recent advances of Agricultural Biotechnology and bio-safety	5 Nov.	2003	BARC

iv.Publications

a. Research papers

- 1) Chowdhury, M. H. and **S. K. Munshi. 2011.** Utilization of Eco-San Fertilizers for Cauliflower Production. Afro-Asian J. Rural Dev., 44 (1): 85-105.
- 2) **Munshi, S. K. 2011.** Municipal Solid Waste Management: An experience of Rangpur municipality area of Bangladesh. "Development of Organic Farming". Proceedings of the 4th International Conference on the Development of Integrated Pest Management in Asia and Africa, 20-22 January 2011, IPM Lab of Bangladesh Agricultural University, Mymensingh, 4: 115-118.
- 3) **Munshi, S. K. 2011.** Effect of Household and Cafeteria Organic Waste Compost on the Pest Severity and Yield of Cabbage. "Development of Organic Farming". Proceedings of the 4th International Conference on the Development of Integrated Pest Management in Asia and Africa, 20-22 January 2011, IPM Lab of Bangladesh Agricultural University, Mymensingh, 4: 119-124.
- 4) **Munshi, S. K. 2014.** Utilization of Organic Waste Compost for Brinjal Production. African Journal of Agricultural Science and Technology (AJAST), 2(1): 46-53.
- 5) Alam M. J., M.A.Wahab and **S.K. Munshi.2016.** Farmer's Awareness on Food Safety and Environmental Pollution. International Journal of Business, Social and Scientific Research, 4(4): 254-260.

- 6) **Munshi, S. K.**, S. U. Ahmed and M. H. Rahman. 1994. Seed Production of Onion as Influenced by Different Dates and Production Methods. Bangladesh Horticulture, 22 (1&2): 115-122.
- 7) Ahmed, S. U. and **S.K. Munshi**. 1995. Effect of Different Dates and Methods of Planting on the Growth, Bulb Yield and Storage of Onion. Progressive Agriculture, 6(2): 109-116.
- 8) Chanda, S.C., S.M.Rafiquzzaman, M.Z.A.Chowdhury and **S.K.Munshi**.2000. Agro-Economic Study of Maize Fodder as Intercrop in Aus Rice under Different Weeding Practices. The Journal of Rural Development, 30(2): 16-26.
- 9) Islam, F.A.M.N., M.A. Hamid, N.A. Chowdhury and **S.K. Munshi**. 2001. Performance of Hybrid Rice at the Farmer's Fields of Comilla. The Journal of Rural Development, 31(1): 73-83.
- 10) **Munshi, S.K.** and F.N. Sultana. 2023. Agricultural transformation over the last three decades (1992-2022) in Bangladesh and experience of agricultural mechanization through Community enterprise. The Journal of Rural Development, 46(1): 93-119.

b. Books

- 1) Ahsan, K. and **S.K. Munshi**. 2000. Rice Seed: Scarcity in Abundance. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 2) **Munshi, S. K.** 2002. Kharif Vegetable Cultivation in Some Potential Growing Areas of Comilla: An Agro-economic Analysis. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 3) Hamid, M.A.; M.K. Roy and **S.K. Munshi**. 2002. Techniques of Overcoming Rice Yield Stagnancy. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 4) **Munshi, S.K.**; R.K.Guha and S. Begum.2003. Impact of Crop Diversification Programme in Selected Areas of Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 5) Islam, F.A.M.N.; **S.K. Munshi** and M.T. Islam. 2005. Prospects of BRRI Hybrid Dhan-1 in Comilla Region: A Comparative Study with BRRI Dhan-29. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 6) Roy, M.K. and **S. K. Munshi**. 2006. Hill Agriculture: A Socio-Economic Analysis. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 7) Rvwn`, Gm. †R. Av., †gvt k. Bmjvg, **wk. K. gyÝx**, †gvt gwnDwİb Ges gy. †g. nvmvb. 2013.

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†KvUevox, Kzwgj¬v |

- 8) Ahsan, K.; **S.K. Munshi** and A. H. Bhuyan. 2016. Endangered and Promising Fruit Species in the Changing Context of Climate for Nutrition Security and Livelihood in Coastal Areas of Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Comilla.
- 9) **Munshi, S.K.;** B. Ahmed and J. Rahim. 2020. Challenges and Prospect of Jute Cultivation in Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla.
- 10) Chowdhury, M. H.; A.K. Azad; **S.K. Munshi** and J.R. Paul 2021. Effect of Climate Change on the Livelihoods of Coastal Areas of Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla.
- 11) Azad, A.K.; **S.K. Munshi** and M.K. Hasan. 2021. Conservation Agriculture and Precision Nutrient Management Practices Increases Rice-Maize based System Productivity and Profitability in Meghna River Floodplain of Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla.
- 12) Mamun, A. A.; **S.K. Munshi;** M. R. Karim and B. C. Karmakar. 2021. Employment Generation of Rural Women through Mushroom Production and Poultry Rearing in Lalmai Hill Areas of Cumilla. Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla.
- 13) **Munshi, S.K.;** B.C. Karmakar, A.A. Islam and B. Hossain.2024. Application of Information and Communication Technologies and their Challenges in Recent Agricultural Development of Bangladesh. Bangladesh Academy for Rural Development (BARD), Kotbari, Cumilla.
- 14) **Munshi, S. K.** 2012. Effect of municipal solid waste compost and fertilizers: Productivity, Nutrients Dynamics and Heavy Metals. LAP Lambert Academic Publishing, Germany

v. Presentations in national/international seminars/workshops

Seminar Paper-1

- ***Title of paper:*** *Effect of Human Excreta on the Growth and Yield of cauliflower and Cabbage*
- ***Name of Seminar:*** *Application of Eco-San Products in Agriculture Farming*
- ***Place of Seminar:*** *Centre on Integrated Rural Development for Asia and the Pacific (CIRDAP) Auditorium, Dhaka, Bangladesh on 31 August 2009.*
- ***Organized by:*** *BARD & JICA*

Seminar Paper-2

- ***Title of paper:*** (i) Municipal Solid Waste Management: An experience of
 - Rangpur municipality area of Bangladesh and (ii) Effect of Household and

- Cafeteria Organic Waste Compost on the Pest Severity and Yield of Cabbage
- **Name of Seminar:** The 4th International Conference on Integrated Pest management, Development of IPM for Asia and Africa
- **Place of Seminar:** IPM Lab, Department of Plant Pathology, Bangladesh Agricultural University, Mymensingh on 20-22 January 2011
- **Organized by:** BAU & University of Niigata, Japan

Seminar Paper-3: *Performance of Agriculture Mechanization and Collecting Farming Project to Ministry of LGRD&C*

- **Seminar Paper-4:** *Application of Information and Communication Technologies and their Challenges in Recent Agricultural Development of Bangladesh presented in Research highlight at BARD*
- **Seminar Paper-5:** *Strengthening of BRDB: Prospect and Challenges*



(Shishir Kumar Munshi, PhD)
Director, BARD Date: 25/01/2025