CURRICULUM VITAE

1. PERSONAL:

Name	:	Dr. Dost Muhammad
Father's Name	:	Mr. Khadim Muhammad
Date of Birth	:	December 10, 1976
Place of Birth	:	District Dir, NWFP, Pakistan
Nationality	:	Pakistani by Birth
N.I.C Number	:	15307-9649200-5
Present/Postal Address	:	Deptt. Soil & Environmental Sciences, NWFP Agricultural University, Peshawar Phone: Cell: 03339240976 Ph: +92919216548, fax: +92919216520 E-mail: dostms76@yahoo.com

2. ACADEMIC RECORD:

Exam Passed	Year	Mks/total CGPA/GPA	%age	Major subjects	Institution/Board University
Matric	1992	670/850	78.82	Science	GHS Kotigram, B.I.S.E. Swat
F.Sc	1992-94	784/1100	71.27	Pre-Medical	Edwards College, B.I.S.E. Peshawar
B.Sc (Hons)	94-98	3.88/4.00	89.67	Soil Science	NWFP Agric. University Peshawar

M.Sc (Hons)	98-00	3.91/4.000	90.58	Soil & En. Sciences	NWFP Agric. University Peshawar
Ph. D	2009	3.94/4.00	94.50	Soil & En. Sciences	NWFP Agric. University Peshawar

3. WORK EXPERIENCE:

Employer	Designation	BS	Duration
Pakistan Agricultural Research Council, Islamabad	Scientific Officer	17	25-11-2002 to 15-01-2005
NWFP Agricultural University, Peshawar	JRS/Lecturer	18	15-01-2005 to date

4. TRAINING COURSES ATTENDED/PARTICIPATED:

Name of Training	Location	Sponsor/Organizer	Period/Duration
1. Internship on Tea cultivation	*NTRI, Shinkiari*	----	25/6/98-31/8/98
2. 17th Training Course on Nuclear Techniques in Agricultural Research	NIFA, Peshawar	Pakistan Atomic Energy Commission	18-29 September, 2000
3. Orientation Course for Newly inducted Scientist	*NARC, Islamabad*	PARC, Islamabad	25-30 November, 2002

5. PROJECTS COMPLETED:

1. Increasing crops production through humic acid in rainfed and salt affected soils in Kohat Division (NWFP). ALP-USAD Programme. PARC, Islamabad (2005-08). (Worked as Co-Principal Investigator with Dr. Riaz

A. Khattak, Meritorious Professor, Deptt. of Soil and Environmental Sciences, NWFP Agricultural University, Peshawar).

2. Evaluation, reclamation and management of saline-sodic and waterlogged soils in Kohat Division. Funded by NDP/World Bank (2001-2004) (Worked as Research fellow with Dr. Riaz A. Khattak, Meritorious Professor, Deptt. of Soil and Environmental Sciences, NWFP Agricultural University, Peshawar).

6. THE EXPERIENCE GAINED:

- Working as regular JRS/lecturer since January, 2005 in the Department of Soil and Environmental Sciences, NWFP Agric. Univ. Peshawar, Pakistan I have been teaching different courses like "Environmental pollution and management", and "salt affected soils and their reclamation" both at under graduate and graduate levels. I am also helping/supervising the students in conducting their research both in field and laboratory. Have gained sufficient experience in research designing, analyzing soil, plant and water samples, interpretation of the data and report writing.
- Practical Field Experience of more than two years as Scientific Officer (BS-17) in Arid Zone Research Institute, PARC D.I. Khan from November 2002 to January 2005. I remained actively engaged in various research projects meant for the arid condition of D.I. Khan both in the farm and outreach. Compiled the annual and quarterly reports of the Institute. I also assisted the farm manager regarding farm management activities.
- The practical work as Research Fellow and later on as Co-PI in two projects with Meritorious Professor Dr. Riaz A. Khattak, Department of Soil and Environmental Sciences, NWFP Agric. Univ. Peshawar equally trained me in laboratory analysis as well as to conduct research in field. I got sufficient skill in data analysis and compilation and report writing under his kind supervision.

7. PUBLICATIONS:

1. Gul, H., R.A Khattak, **D. Muhammad**, and Z. Shah. 2011. Physical Properties of Soils under Sub-Surface Drainage System. Accepted in Sarhad J. Agric 27(4):
2. **Muhammad, D**., and Riaz A. Khattak. 2011. Wheat yield and chemical composition as influenced by integrated use of gypsum, pressmud and FYM in saline-sodic soils. J. Chemical Soci. Pak. 33(1): 82-89.
3. Haroon, R.A. Khattak, and **D. Muhammad**. 2010. Seed cotton yield and nutrient concentrations as influenced by lignitic coal derived humic acid in salt-affected soils. Sarhad J. Agric. 26(1): 43-49.
4. **Muhammad, D**., and R.A. Khattak. 2009. Growth and nutrient concentrations of maize in Pressmud treated saline-sodic soils. Soil and Environ. 28(2): 145-155.
5. Ahmad, M., R.A. Khattak, and **D. Muhammad.** 2008. Soil evaluation of Kafoor Dheri farm for crop production. Soil and Environ. 27(1):43-51.
6. Sarir, M.S., M.T. Azeem and **D. Muhammad**. 2007. Effect of Sugar Mill Effluent on soil, plant and water. Proc. 1st National Conference on Assessment and Proper Utilization of Indigenous Energy Resources and Their Impact on Environment. Feb. 26-28, 2007. Energy and Environment Engineering Dept. Quid-e-Awan Univ. Eng, Sci and Tech., Nawabshah. 83-90.
7. Gul, H., and R. A. Khattak and **D. Muhammad**. 2006. Chemical composition of tobacco leaves of different varieties as affected by four levels of potassium chloride. Pak. J. Sci. Ind. Res. 49: 125-133.
8. Matiullah, R. U. Khan, **D. Muhammad** and A. Rashid. 2005. Mutual effect of legume and cereal intercropping under rodkohi rainfed conditions of D.I. Khan. . Sarhad J. Agric. 21(4): 629-632.
9. Khan, R.U., **D. Muhammad**, A. Rashid and Matiullah. 2005. Effect of different inputs on growth parameters and seed yield of Mungbean. . Sarhad J. Agric. 21(4): 633-636.
10. Rashid, A., R. Khan, H. Khan, and **D. Muhammad**. 2004. Nitrogen management effect on the production of sorghum. Sarhad J. Agric. 21(2): 177-183.
11. **Muhammad, D.**, A.H. Gurmani, and M. Khan. 2004. Effect of rhizobial inoculation and different phosphorus levels on the yield and yield components of mungbean under the rainfed conditions of D.I. Khan. Sarhad J. Agric. 20(4): 575-582.
12. Ahad, A. M. Khan, **D. Muhammad**, and A. H. Gurmani. 2003. Yield potential of some promising wheat cultivars in rodkohi rainfed conditions of D.I. Khan. J. Agric. Research. 41 (2): 99-107.

13. Shah, Z., and **D. Muhammad**. 2003. Denitrification potential in rice soils of Swat and Peshawar valleys. Sarhad J. Agric. 19 (3): 391-399.

8. PAPERS PRESENTED IN CONFERENCES/ABSTRACTS PUBLISHED

1. Denitrification potential in rice soils of Swat and Peshawar Valleys, 9th Congress of Soil Science held at Agricultural University, Faisalabad on 16-19 March, 2002 organized by Soil Science Society of Pakistan
2. Effect of rhizobial inoculation and different phosphorus levels on the yield and yield components of mungbean under the rainfed conditions of D.I. Khan, 10th Congress of Soil Science held at Sindh Agricultural University, Tandojam on 16-19 March, 2004 organized by Soil Science Society of Pakistan
3. Effect of pressmud on soil reclamation and growth of maize under saline-sodic soil condition, 11th Congress of Soil Science held at National Agricultural Research Center, Islamabad on 11-13 March, 2006 organized by Soil Science Society of Pakistan
4. Evaluating efficiency of different amendments in reclamation of saline-sodic soil: a column study, 12th Congress of Soil Science held at NWFP Agricultural University, Peshawar on 20-23 Oct., 2008 organized by Soil Science Society of Pakistan
5. Enhancement of wheat and maize productions through humic acid in salt-affected soils. 12th Congress of Soil Science held at NWFP Agricultural University, Peshawar on 20-23 Oct., 2008 organized by Soil Science Society of Pakistan
6. Effect of rock phosphate on the growth maize in pot experiment. 12th Congress of Soil Science held at NWFP Agricultural University, Peshawar on 20-23 Oct., 2008 organized by Soil Science Society of Pakistan
7. Uptake of P by Wheat Seedlings as Influenced by Acidified Rock Phosphate in Calcareous Soil, 13th Congress of Soil Science held at Serina Hotel Faisalabad on 24-27 March, 2010 organized by Soil Science Society of Pakistan
8. Rock phosphate solubility in water and sulfuric acid solutions, 13th Congress of Soil Science held at Serina Hotel Faisalabad on 24-27 March, 2010 organized by Soil Science Society of Pakistan

9. Effect of wetting drying cycles on P release in two diverse calcareous soil series, 13th Congress of Soil Science held at Serina Hotel Faisalabad on 24-27 March, 2010 organized by Soil Science Society of Pakistan.

9. Ph.D RESEARCH SUPERVISED

Helped and supervised the following students in conducting field experiments, laboratory analysis, data analysis, and thesis writing as a team member and as well as junior research specialist in the department.

1. Haroon. 2009. Increasing crop production through humic acid in salt-affected soils. Ph.D Thesis. SES Department, KPK Agric. Univ. Peshawar, Pakistan.
2. Zhaid Hussain. 2010. Evaluating the role of phosphorus and potassium fertilizers in nutrient dynamics and crop growth in salt-affected soils. Ph.D Thesis. SES Department, KPK Agric. Univ. Peshawar, Pakistan.
3. Hamid Gul. 2010. Nutrients losses evaluation in drainage drainage water of Mardan SCARP. Ph.D Thesis. SES Department, KPK Agric. Univ. Peshawar, Pakistan.
4. Manzoor Ahmad. 2010. Critical soil solution phosphorus concentrations essential for plant growth in calcareous soil series. Ph.D Thesis. SES Department, KPK Agric. Univ. Peshawar, Pakistan. (Thesis write up).
5. Naseer Muhammad. 2011. Enhancement of crop production through rock phosphate application in calcareous soils. (Research continue)