

CURRICULUM VITAE

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CURRICULUM VITAE

Name : DR.MUHAMMAD AYAZ KHAN
FATHER NAME : MUHAMMAD KHAN
POSTAL ADDRESS : EJAZ ABAD P/O MURYALI,
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RESIDENCE PHONE# : 0966-713929
QUALIFICATION : Ph.D.
TOPIC :STUDIES ON THE MEASUREMENT AND
AVAILABILITY OF MAJOR PLANT
NUTRIENTS IN FARM ANIMAL
WASTES.
DATE OF BIRTH : 30-04-1956
DOMICILE : DERA ISMAIL KHAN (NWFP)
PAKISTAN.
MARITAL STATUS : MARRIED
DATE OF APPOINTMENT : 05-10-1980
EMPLOYER : VICE-CHANCELLOR, GOMAL
UNIVERSITY, DERA ISMAIL KHAN
KPK., PAKISTAN.

PROFESSIONAL QUALIFICATION			Division	
Ph.D University of Glasgow,UK	1994	Agronomy	Research	
M.Sc (Hons) Agriculture University of Agriculture Faisal abad.	1979	Agronomy	522/700	1
B.Sc(Hons)Agriculture Gomal University, Dera Ismail Khan	1976	Agronomy	667/1100	I
F.Sc Agriculture University of Peshawar.	1973	Agriculture	768/1500	II
Matric BISE, Peshawar.	1971	Science & Agri.	726/1000	1
Post Doc-I Post Doc-II	2002 2006	University of Aberdeen, UK University of Glasgow, UK		

EMPLOYMENT RECORD

Name of Organization/ Institute Served.	Designation	BPS	Year	
			From	To
Faculty of Agriculture Gomal University Dera Ismail Khan	Lecturer	17	1980	1988
Faculty of Agriculture Gomal University Dera Ismail Khan	Assistant Professor	19	1988	15.1.2004
Faculty of Agriculture Gomal University Dera Ismail Khan	Associate Professor	20	16.1.2004	3.12.2008
Faculty of Agriculture Gomal University Dera Ismail Khan	Professor	21	4.12.2008	to date

Training

I trained myself in

The farming system research workshop PARC, Islamabad to become a successful manager.

Soil and Crop research management from USA in the University of Davis, Riverside, and the University of Berkely, California, USA. This training improved my research capabilities, managerial skills and computing understanding used in teaching, management and research activities.

NPO wing of Ministry of Industry, Islamabad trained me in the presentation skill in a workshop held in the Gomal University during December, 2006.

Membership

I am member of Board of Advanced Studies and Research, GU D.I.KHAN.

I am member of the syndicate of the Gomal University, D.I.Khan.

I am convener of the Board of Studies and Research Dept of Biotechnology, GU D.I.Khan.

I have membership of

Panel of Sarhad Journal of Agriculture, NWFP Agricultural University, Peshawar.

Board of Studies, Department of Agronomy, Faculty of Agriculture, Gomal University, Dera Ismail Khan.

Board of Studies and Research, Faculty of Agriculture, Gomal University, D.I.Khan.

Soil Science Society of Pakistan.

Weed Science Society of Pakistan.

Alumni, Commonwealth Headquarter, London, UK.

Pakistan Botanical Society, University of Karachi.

ACHIEVEMENTS

I achieved the following:

Method developed for the determination of CIPC residues in potatoes during storage.

Algal Pond Effluent use as green fertilizer.

Technique developed to improve the quality of farm yard manure regarding its NPK content.

Development of dialysis technique to prevent the interference of amino acids with ammonium nitrogen.

The Gomal University has an area of 4000 kanals jungle land which was lying barren since its foundation (1974) upto 1992. The assignment was given to me for its conversion into culturable land. I successfully completed this assignment with full attention resulting in an income resource for the Gomal University, Dera Ismail Khan.

I was again appointed as Chairman Land Development Committee in 2003-04 and task given was to establish. "The Gomal University Model Farm". This task was also completed and now the Gomal University Model Farm is a permanent resource of the University own earning by two means

(a) Land on lease and (b) Self Cultivation.

This permanent source of the University is providing huge amount of earning to the university treasuries.

Employment source for the poor peoples of surrounding villages of the campus.

Attractive out look for visitors and studies.

SUPERVISION AND PRODUCTION OF M.SC. (HONS.) AND Ph.D.

I am one of the two HEC approved Supervisors for M.Sc. (Hons.) and Ph.D. Scholars in the Faculty of Agriculture, Gomal University, Dera Ismail Khan. Since 1980, I have produced more than 30 M.Sc. (Hons.) students as supervisor and 29 as Co-Supervisor who are serving in different capacities throughout Pakistan and abroad.

Ph.D program in different disciplines of agriculture was started in 1994 in the Faculty of Agriculture, Gomal University, Dera Ismail Khan, Pakistan. Since then I have produced 3 Ph.Ds. as Supervisor and 5 Ph.Ds. as Co-Supervisor.

In this way I have contributed a lot of valuable research based knowledge through research publications/articles in the national and international research journals.

EXPERIENCE

I have an experience of 30 years of teaching and research since 1980-todate.

Research Projects

I worked in the research projects sponsored by USA and HEC, Islamabad.

ADVICE

I provide free advice on crop production to the growers of this area to boost up per unit crop yield considering it as social work.

RESEARCHPUBLICATIONS

I have published 71 research papers in national and international research journals.

(DR. MUHAMMAD AYYAZ KHAN)

RESEARCH PUBLICATIONS

1. Split application of phosphorus to wheat crop. 1981. **Khan, M.A.**, H.K.Ahmad, M. Qasim, M. Alam and H.K. Alizai. Gomal J. Res. 1 (1): 21-28.
2. Bud success of walnut as influenced by different binding materials and time of budding. 1983. Ghafoor, A, L.Khan and **M.A.Khan**. Gomal J. Res., 3 (1): 89-92.
3. Effect of seedling age at transplanting and fertilizer levels on grain yield. 1984. B. Shahani, A.B. Khan and **M.A.Khan**. IRRN 9 (2): 27.
4. Response of rice to input factors in farmer's fields. 1987. **Khan, M.A.** and B.Shahani. IRRN, 12 (5): 35.
5. Phosphorus utilization efficiency in wheat crop applied at various stages of its growth. 1987. **Khan, M.A.** and M.A. Gill. Gomal J. Res., 7(1& 2): 5-8.
6. Effect of phosphorus and seed inoculation on the yield of chick pea (*Cicer arietinum* L.) 1988. Baloch, K.N., M. Yaqoob, **M.A.Khan** and K. Ahmad. Sarhad J. Aric. 4 (6): 825-832.
7. Effect of sowing dates on the yield of chick pea. 1991. Khan, E.H., **M.A. Khan**., I.U. Awan and S. Jehangir. Gomal J. Res., 11 (1): 59-65.
8. Effect of nitrogen and phosphorus levels on the yield of chick pea (*Cicer arietinum* L). 1994. Khan, E.A., S. Jehangir., **M.A.Khan**., and M. Subhan. Gomal J. Res., Soil Sci., (A) 14 (1): 45-51.
9. Effect of Rod Kohi irrigation on wheat and chickpea production in a semi-arid climate of Pakistan. 1995. Khan, H.'U.I.U. Awan, **M.A. Khan** and Munir.Pak. J. Soil Sci., (Soil & Environment) 10 (1-4): 58-62.
10. Effect of different irrigations on growth and grain yield of maize. 1995. **Khan, M.A.**, EA. Khan and S.Khan. GomalJ. Res., (A) 14 (1): 10-111.
11. Allelopathic effect of eucalyptus on soil characteristics and growth of

- maize. 1999. **Khan, M.A.**, T.A. Khitran, M.S. Baloch and M.Z. Sulemani. Pak. J. Biol. Sci., 2 (1): 390-393.
12. Effect of potassium levels on the yield of sunflower (*Helianthus annuus* L.) 1999. **Khan, M.A.**, K. Ahmad and J. Ahmad. Pak. J. Biol. Sci., 2 (2): 402-403.
 13. Evaluation of corn hybrids for grain yield in D.I.Khan.1999. **Khan, M.A.**, S. Akbar, K. Ahmad and M.'S. Baloch. Pak.'J. BioL Sci7, 2 (2): 413-414. ""
 14. Control of Stem Borer by Different Insecticides, in Corn Hybrid 4208.1999. **Khan, M.A.**, A.H. Khan., K. Ahmad and M.S. Baloch. Pak. J. BioLSci., 2 (3): 612-613.
 15. Efficacy of different Herbicides for Controlling Broad Leaf Weeds in Wheat (*Triticum aestivum* L). 1999. **Khan, M.A.**, M. Zahoor., I. Ahmad., G. Hassan and M.S.Baloch. Pak. J. Biol. Sci., 2 (3): 732-734.
 16. Behaviour of some Genotypes of Sunflower. 1999. **Khan, M.A.**, Z.Usman., K. Ahmad., M.S.Baloch and M. Sadiq. Pak. J. Biol. Sci.,2 (3): 735-736.
 17. Allelopathic influence of Eucalyptus (*Eucalyptus camaldulensis* L) on germination and seedling growth of crops. 1999. **Khan, M.A.**, I. Taj., I. Ahmad and M.S. Baloch. Pak. J. Biol. Sci., 2(3): 737-738.
 18. Investigation of Interfering Reaction Conditions in Ammonium-N Determination using the Berthelot colour reaction. 1999. **M.A. Khan.** And T.H.Flower. Pak. J. Biol. Sci., 2 (3): 813-816.
 19. Interference of Amino Acids in Ammonium-N Determination. 1999. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci.,2 (3): 817-819.
 20. Interferences by Organic Nitrogen Compounds in Ammonium-N Determination. 1999. **Khan, M.A.**, and T.H. Flower. Pak. J. Biol. Sci., 2 (3): 820-825.
 21. Ammonium-N Determination by including Dialysis with Technicon Auto Analyser 11.1999. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci., 2 (3): 826-828.
 22. Development of a Gas Dialysis System for **NH₄** -N Determination. 1999. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci., 2 (3): 829-833.
 23. Elimination of interferences of Organic Nitrogen Compounds by Dialysis Inclusion with Technicon Auto Analyser II in Ammonium-N Determination. 1999. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci., 2 (3): 834-837.

24. Yield of Maize Hybrid-3335 as affected by NP levels.1999. **Khan, M.A.**, N.U. Khan., K. Ahmad., M.S. Baloch and M. Sadiq.Pak. J. Biol. Sci., 2 (3): 857-859.
25. Intercropping of Sunflower with Mungbean. 1999. **Khan, M.A.**, K.Ahmad and M.S. Baloch. Sarhad J. Agric, 15 (6): 527-529.
26. Allelopathic Effect of Eucalyptus on Maize Crop. 1999. **Khan, M.A.** , M. Rashid and M.S.Baloch. Sarhad J. Agric, 15 (5): 393-397.
27. Effect of different manures on the yield of wheat. 1999. Khan,Z.A., **M.A. Khan** and M.S. Baloch. Scientific Khyber, 12 (1):41-46.
28. Effect of post emergence application of herbicides on weed control. 1999. Nadeem,M.A., LU.Awan, **M.A. Khan** and K.W. Khan. Pak. J. Biol. Sci; 2 (4): 1455-1457.
29. Effect of storage on Nutrient Stability in Algal Pond Effluent. 1999. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci., 6(1-2): 56-60.
30. Extraction of plant available Nutrient in Algal Pond Effluent.2000. **Khan, M.A.** and T.H. Flower. Pak. J. Biol. Sci., 3 (3): 496-497.
31. Effect of sowing methods and seed rates on grain yield and yield components of wheat variety Pak-81. 2000. Khan, H., **M.A. Khan.**, I. Hussain, M.Z. Khan. Pak.J. Biol. Sci., 3 (7): 1177-1179.
32. Effect of sowing rates on the grain yield of wheat variety Punjab- 96.2000. **Khan, M.A.** , G.U. Sadozai and K. Ahmad. Pak. J. Biol. Sci., 3 (7): 1158-1160.
33. Effect of Nitrogen alone and Phosphorous on growth and yield of Brassica Juncea L. Variety Early Raya. 2000. Khan, H., M.A. **Khan.** I. Hussain, A.A. Malik and M.S. Baloch. Pak. J. Biol. Sci., (8): 1231-1233.
34. Wheat Yield Potential-Current Status and Future Strategies. 2000. **Khan, M.A.**, I. Hussain and M.S. Baloch. Pak. J. Biol. Sci., 3 (1): 82-86.
35. Effect of FYM and NP levels on the yield of wheat (*Triticum aestivum* L.) under irrigated condition of Dera Ismail Khan. 2000. Khan.Y., **M.A.Khan .**, E.A. Khan and I. Hussain. J. Pure and applied sciences. Islamia University, Bahawalpur, 19(2):77-83.
36. Effect of sowing rates and methods on weed control and yield of wheat. 2000. Khan,H., **M.A.Khan** J.Hussain and M.Z.Khan.Pak. J. Biol. Sci., 3 (5): 829-832.

37. Evaluation of wheat varieties for grain yield in D.I.Khan. 2001. **Khan,M.A.,** I.Hussain., M.S. Baloch and O.U. Siyal. Sarhad. J. Agric, 17 (1): 41-46.
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39. Evaluation of wheat varieties for their potential grain yield under the agro-ecological condition of D.I.Khan. 2001. Akhter, M.Z., **M.A.Khan,** K.Ahmad a ndM. Alam. On Line J. Biol. Sci., 1(7): 568-570.
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41. Response of wheat varieties to different levels of Nitrogen.2001. **Khan,M.A.,** K. Ahmad, I. Hussain and M. S. Baloch. Pak. J. Biol. Sci., 4 (Supplementary issue No-3): 276-278.
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43. Impact of sowing seed rates on the potential grain yield of wheat. 2001. **Khan. M.A,** I. Hussain and G.U. Sadozai. J. of Pure and Applied Sciences, 20 (1): 75-84.
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49. Quantitative assessment of social and some inputs variables relating to rice production in Dera Ismail Khan, Pakistan. 2004. Baloch, M.S., I.U. Awan, Gul Hassan, **M.A. Khan** and M.Z. Sulemani. J.of Agronomy 3 (1):52-58.
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51. Farmer's approach towards adoption of crop production technology in Dera Ismail Khan. Hussain. I; and **M.A.Khan**. 2004. Indus J. Plant Sci., 3 (3): 362-365.
52. Effect of seed rates on yield components and grain yield of wheat. Hussain. I; **M.A.Khan**, Himayatullah Khan and Khalil Ahmad.2004. Indus J. Plant Sci., 3 (3): 354-361.
53. Allelopathic effects of Eucalyptus leaf extracts on germination and growth of cotton. Khan,E.A; **M.A.Khan**, H. Khalil Ahmad and Fatheullah Khan. 2004. The Indus Cottons, 7 (2): 96-100.
54. Bread wheat varieties as influenced by different nitrogen levels. Hussain, I., **M.A.Khan**, and Ejaz Ahmad Khan. 2006. J. of Zhejiang Univ. Sci. B, China, 7 (1): 70-78.
55. Effect of aqueous extract of *Eucalyptus camaldulensis* L. On germination and growth of maize (*Zea mays* L). by **Khan, M.A.** I. Hussain and E.A.Khan. Pak. J. Weed Sci.Res. 13(3-4): 177-182, 2007.
56. Allelopathic effects of *Eucalyptus (Eucalyptus Camldulensis* L.) on germination and seedling growth of wheat (*Triticum aestivum* L.) by **Khan, M.A**, I. Hussain and E.A. Khan. Pak. J. Weed Sci. Res. 15 (2-3): 131-143,2009.
57. Effect of increased plant density and fertilizer dose on the yield of rice variety IR-6. 2004. M. Amin; **M.A. Khan**; E. A. Khan and M. Ramzan, J. of Research (Science), 15 (1): 09-16.
58. Effect of sowing methods and weed control techniques on yield and yield components of chickpea, 2007. Pak. J. Weed Science, NWFP. Agricultural University Peshawar.

59. Suppressing effect of eucalyptus camaldulensis L. on Germination and seedling growth of six weeds 2008. **Khan, M.A**, I. Hussain and E.A. Khan. Pak. J. Weed Sci. Res. 14 (3-4): 201-207,2008.
60. Effect of soil depletions and de topping on the yield and yield components of Chickpea 2010. Muhammad Aslam Khan E.A Khan, Himayatullah, **M.Ayaz** , H Khalid Ahmad, Muhammad Mansoor and Khalid Hussain. Sarhad Journal of Agriculture, 26(20): 177-186
61. Estimation of genetic variation for yield and yield contributing paramaters of meet. 2008. Khan S.J,A.R Kulachi, M.Safdar,R Rehman, **M.Ayaz Khan** and R.D Khan. PJST.11(11,10):12-25
62. Morphological responses of autumn planted sugarcane to planting geometry and nutrient management on different soils under arid conditions 2010. Saggu, A.G., E. Ahamd., Haji. K., Ahamd and **M Ayaz**. Pak.Sugar J. 25(01):2-7.
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64. Effect of Row spacing and seeding rates on growth yield and yield components of chicken pea. 2010. Khan E.A., M. Aslam, H.K Ahamad, Himayatullah , **M.Ayaz Khan** and A Hussain, Sarhad J.Agri., 26(2):202-211.
65. Evaluation of Physicochemical Characteristics of Mango cultivars grown in D.I.Khan. 2010. Jillani M, F. Bibi, K Wasim and **M Ayaz Khan**. J. Agri. Res., 48(20):201-207.
66. Application of In Vitro Mutation Technique for Sugar cane improvement 2010. Shah Jehan Khan and Muhammad Ayaz Khan. J. Agric. Res., 48(4): 429-435.
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68. Effect of Planting densities on some physiological Parameters of Mungbean. 2010. M. Mansoor, Himayatullah K., M.Ayaz Khan, Muhammad Zubair, and Muhammad Amjad Nadim. GU. J. Res., 26(2):1-8.
69. Effect of single and combined Use of various organic Amendments on wheat grown over Green manured Soil:I Growth and yield Attributes.2011 Muhammad Aslam, **Muhammad Ayaz Khan**, Inayatullah Awan, Ejaz Ahmad Khan, Ahmad Ali Khan and Ghulam Gilani.Pakistan Journal of Nutrition. 10(7):640-646.
70. Effect of single and combined Use of various organic Amendments on wheat grown over Green manured Soil:II Growth and yield Attributes.2011 Muhammad Aslam, **Muhammad Ayaz Khan**, Inayatullah Awan, Ejaz Ahmad Khan, Ahmad Ali Khan and Ghulam Gilani.Pakistan Journal of Nutrition.10(7):647-652.
71. Complete elimination of indigenously Isolated *Agrobacterium tumefaciens* starins by Quinolone and metallo beta lactam Antibiotics. Amin, A, Ahmad

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