

CURRICULUM VITAE

DR. ABDUL AZIZ KHAKWANI



Father's Name Abdul Latif Khan
Date of Birth April 10, 1965.
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Address House No. MC-952, Mohallah Khakwani,
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EXPERIENCE:

- 17-02-2011 to date** Teaching as Assistant Professor in Agronomy Department, Faculty of Agriculture, Gomal University Dera Ismail Khan KPK. Pakistan.
- 16-12-2009 to 16-02-2011** Worked as Wheat Botanist at Agricultural Research Institute, Dera Ismail Khan, KPK, Agricultural Department.
- .1-1-2009 to 15-12-2009** Worked as Station Director/ Gram Botanist at Agriculture Research Station, Ahmad Wala, Karak.
- 2007- 2008** Worked as Wheat Botanist at Agricultural Research Institute, Dera Ismail Khan, NWFP, Agricultural Department.
- 2006- 2007** Worked as Station Director/ Gram Botanist at Agriculture Research Station, Ahmad Wala, Karak.
- 1991-2006** Worked as Research Officer at Agricultural Research Institute, Dera Ismail Khan, NWFP, Agricultural Department.
- 1989-1990** Worked as Agriculture Officer at the office of Deputy Director of Agriculture Extension, Department of Agriculture (Extension Wing), Dera Ismail Khan, NWFP

ACADEMIC QUALIFICATIONS:

Certificate/Degree	Board/University	Session	Marks	Division	Specialization/ Subjects
Post Doctorate	The University of Reading, UK.	2008-09	N/A	N/A	Physiology (Agriculture)
Ph.D.	Gomal University, Dera Ismail Khan.	2003	N/A	N/A	Agronomy (Agriculture)
M.Sc. (Hons)	Gomal University, Dera Ismail Khan.	1990 (A)	832/1000	Ist	Agronomy (Agriculture)
B.Sc. (Hons)	Gomal University, Dera Ismail Khan.	1988 (A)	738/900	Ist	Agronomy (Agriculture)
F.Sc.	BISE, Peshawar.	1983 (A)	626/1000	Ist	Pre-Medical
S.S.C.	BISE, Peshawar.	1980 (A)	633/850	Ist	Science

DISTINCTIONS:

- First class first position in M.Sc. (Hons.) Agriculture examination in the Department of Agronomy, Faculty of Agriculture, Gomal University, Dera Ismail Khan, NWPF, Pakistan (Session 1988-90).
- First class second position in B.Sc. (Hons.) Agriculture examination in Gomal University, Dera Ismail Khan, NWPF, Pakistan (Session 1984-88).
- First class first position in B.Sc. (Hons) Agriculture examination in the Department of Agronomy, Faculty of Agriculture, Gomal University, Dera Ismail Khan, NWPF, Pakistan.
- *Co-breeder involved in evaluating 7 wheat varieties (Dera-98, Daman-98, Nasir-2000, Raj, Zam-04, Hashim-8 and Gomal-8) approved by Provincial Seed Council, Govt. of NWFP, Pakistan.*
- Member of a panel of examiners of Gomal University, DIKhan in evaluating post graduate students regarding thesis, paper setting and viva voca.

AWARD:

Won “**RESEARCH PRODUCTIVITY AWARD 2010-11**” from Pakistan Council for Science and Technology (PCST) and received a cash award of Rs: 35000/-. (pcst\rap2010\weblist.frx. S.No. 4).

Membership:

National Curriculum Revision Committee (NCRC), Higher Education Commission (HEC), Pakistan. (2011).

THESES TITLE:

Ph.D. Sugarcane-sunflower intercropping system at different planting ratios, geometrical pattern and NPK levels.

M.Sc. (Hon.). Effect of intercropping and planting geometry on the yield of sorghum under Dera Ismail Khan Conditions.

Projects:

1. TESTING OF NEW CEREAL CROPS IN THE BARANI AREAS TO IMPROVE FOOD SECURITY. (Govt. of KPK, Directorate General of Agriculture Research. ADP#575-80656. Rs: 20 millions).
2. ADAPTIVE RESEARCH OF NEW VARIETIES OF WHEAT AND HYBRID OF MAIZE IN KPK. (ADP#574-80655. RS: 44.026 millions).

PROFESSIONAL TRAININGS

- Post-Doctorate Training Course on “APPLICATION OF PHYSIOLOGICAL INDICES AS A SCREENING TECHNIQUE FOR DROUGHT TOLERANCE IN WHEAT VARIETIES” from SCHOOL OF BIOLOGICAL SCIENCES, UNIVERSITY OF READING, UNITED KINGDOM during 2008-09.
- April 29-30, 2005 at NWFP, Agricultural University, Peshawar.

- Training Course on “Breeding Methodology for the Development of New Cultivars and their Release”. Held on April 29-30, 2005 at NWFP, Agricultural University, Peshawar
- Group Training Course on ‘Rice Research Techniques’ at Tsukuba International Center, Japan International Cooperation Agency (JICA) from 5 February, 2002 to 27 November, 2002.
- Training course in “Nuclear and Other Advanced Techniques in Food and Agricultural Research” at Nuclear Institute for Food & Agriculture, Tarnab-Peshawar , Pakistan from September 17-28, 2001.
- Training workshop on “Seed Production Technology”, October 14-16, 1996. Sponsored by Continuing Education, NWFP Agricultural University, Peshawar at Agricultural Research Institute, Dera Ismail Khan, Pakistan.
- Workshop on “Computer Application (MSTATC and WordPerfect)” January 1-7, 1994. Sponsored by Continuing Education, NWFP Agricultural University, Peshawar at Agricultural Research Institute, Dera Ismail Khan, Pakistan.
- Workshop on “Computer Application in Agriculture”, January 4-9, 1992. Sponsored by USIAD/TIPAN project and NWFP Agricultural University, Peshawar at Agricultural Research Institute, Dera Ismail Khan, Pakistan.
- Ten weeks (225 hours) “Intensive Course in English for Academic Purposes” from March 25 to June 06, 1991 at CIELS, Islamabad, Pakistan.

PUBLICATIONS: (Twenty eight)

1. BIBI, M, N. Khan, F. Mohammad, R. Gul, **A. A. Khakwani** and O. U. Sayal. 2011. GENETIC DIVERGENCE AND ASSOCIATION AMONG POLYGENIC CHARACTERS IN GOSSYPIUM HIRSUTUM L. Pak. J. Bot., 43(6): 2751-2758.
2. KHAN, M.I, G. Hassan, I. Khan, M. Saeed, **A.A. Khakwani**, M. Idrees and K. Nawab. 2011. FACTORS INFLUENCING SEED GERMINATION OF WILD ONION AND CHICKPEA CULTIVARS. Pak. J. Bot., 43(6): 2787-2792.
3. Wazir, I., M. Sadiq, M. S. Baloch, I. U. Awan, E. J. Khan, I. H. Shah, M. A. Nadeem, **A.A. Khakwani** and Imam Bakhsh. 2011. Application of bio-herbicide alternatives for chemical weed control in rice. Pak. J. Weed Sci. Res. 17(3): 245-252.
4. BIBI, M., N. KHAN, F. MOHAMMAD, R. GUL, **A. A. KHAKWANI**, O. SAYAL, M. IDREES AND I. A. KHAN. 2011. GENETIC DISPARITY AND RELATIONSHIP AMONG QUANTITATIVELY INHERITED YIELD RELATED TRAITS IN DIALLEL CROSSES OF UPLAND COTTON. Pak. J. Bot., 43(5): 2543-2550.
5. BALOCH, M. J., N. KHAN, W. A. JATOI, G. HASSAN, **A. A. KHAKHWANI**, N. F. VEESAR AND Z. A. SOOMRO. 2011. DROUGHT TOLERANCE STUDIES THROUGH WSSI AND STOMATA IN UPLAND COTTON. Pak. J. Bot., 43(5): 2479-2484.

6. Khan, M. H., N.U.DIN, **A. A. KHAKWANI**, M. S. BALOCH, M. ZUBAIR1, S. KHAN AND A.W.KHAN. 2011. Hashim-8: a Short Duration, High Yielding and Disease Resistant Wheat Variety for Rain-fed Areas of Pakistan. *Int. J. Agric. Biol.*, 13: 956–960
7. Khan, A. A., I. U. Awan, M. Mansoor, E. Ahmad, **A. A. Khakwani**, and M. S. Baloch. 2011. Use of concentrated aqueous plant exudates as weed control measures in wheat crop. *Pak. J. of Weed Sci.*, 17(4): (accepted for publication).
8. Khan, A. A., I. U. Awan, M. Mansoor, E. A. Khan, **A. A. Khakwani**, and M. S. Baloch. 2011. Efficacy and economic analysis of plant aqueous exudates on physiological parameters of wheat. *Pak. J. of Weed Sci.*, 17(4): 417-424.
9. Marwat, S. K., F. Rehman, K. Usman, **A. A. Khakwani**, S. Ghulam, N. Anwar, M. Sadiq and S.J. Khan. (2011). Medico-ethobotanical studies of edible wild fruit plants species from the flora of north westren Pakistan (D. I. Khan district). *Journal of Medicinal Plant Research*, 5(16): 3679-3686.
10. **KHAKWANI, A. A.**, M. D. DENNETT AND M. MUNIR. (2011). DROUGHT TOLERANCE SCREENING OF WHEAT VARIETIES BY IDUCING WATER STRESS CONDITIONS. *SONGKLANAKARIN J. SCIENCE AND TECHNOLOGY*, 33(2): 135-142.
11. **KHAKWANI, A. A.**, M. D. DENNETT AND M. MUNIR. (2011). EARLY GROWTH RESPONSE OF SIX WHEAT VARIETIES UNDER ARTIFICIAL OSMOTIC STRESS CONDITION. *PAK. J. AGRI. SCI.*, 48(2): 118-123.
12. Baloch, M. S, I. H. Shah, M. A. Nadim, M. I. Khan and **A. A. Khakwani**. (2010). EFFECT OF SEEDING DENSITY AND PLANTING TIME ON GROWTH AND YIELD ATTRIBUTES OF WHEAT. *The Journal of Animal & Plant Sciences*, 20(4): 239-240.
13. Khan, A. W, M. Amjad Nadim, **A. A. Khakwani** and Tehseen Ullah. (2010). Nitrogen-Fertilization: Its impact on Growth & Yield of Wheat. *Life Sci. Int. J.*, Vol: 4 (1): 1386-1390.
14. **Khakwani, A. A.**, Baloch, M. S, Nadim, M. J, Zubair, M and I. H. Shah. (2010). LODGING: A DETERMINING FACTOR IN REDUCING YIELD AND YIELD STRUCTURE OF WHEAT. *Sarhad Journal of Agriculture*. Vol: 26(2): 235-239.
15. Baloch, M. S., I. U. Awan, G. Hassan and **A. A. Khakwani**. (2006). Effect of Establishment Methods and Weed Management Practices on Some Growth Attributes of Rice. *Rice Science* 13(2): 131-140.

16. Shah, W.A., J. Bakht, T. Ullah, A. W. Khan, M. Zubair and **A. A. Khakwani**. (2006). Effect of Sowing Dates on the Yield and Yield Components of Different Wheat Varieties. *Journal of Agronomy* 5(1): 106-110.
17. **Khakwani, A. A.**, M. Zubair, M. Mansoor, K. Naveed, I. U. Shah, A. Wahab, M. Ilyas and I. Ahmad. 2006. Agronomic and Morphological Parameters of Rice Crop as Affected by Date of Transplanting. *Journal of Agronomy* 5(2): 248-250.
18. **Khakwani, A.A.**, M. Shiraishi, M. Zubair, M. S. Baloch, K. Naveed, and I. U. Awan. (2005). Effect of seedling age and Water depths on Morphological and Physiological Aspects of Transplanted Rice under High Temperature. *Journal of Zhejiang University SCIENCE (JZUS)*, 2005, 6B (5).
19. Uddin, N, M. H. Khan, M. Zubair, **A. A. Khakwani**, M. S. Baloch, S. Khan and A. W. Khan. (2005). Rainfed area improvement in perspective: Development of ZAM-04, improved wheat variety for rainfed areas of NWFP. *Indus Journal of Plant Sciences*, 4(1): 119-123, Supplementry Issue February 2005.
20. **Khakwani, A. A.**, K. Naveed, I. U. Awan, M. S. Baloch, A. Naeem and M. I. Khan. 2004. Evaluation of coarse rice genotypes under high temperature of Dera Ismail Khan. *Indus Journal of Plant Sciences*, October. 3(4): 381-385.
21. Khan, N. U., G. Hassan, S. U. Khan, **A. A. Khakwani** and Q. Nawaz. (2002). Weed management through plant population densities in transplanted rice. *Pak. Weed Sci. Res.* 18(1-2):71-75, 2002.
22. **Khakwani, A. A.**, H. K. Ahmad, G. Hassan and F. U. Khan. 2001. Studies on sugarcane-sunflower intercropping system at different geometrical patterns and NPK levels during autumn planting. *Pak. J. Biol. Sci.* 4(10): 1209-1211.
23. **Khakwani, A. A.**, H. K. Ahmad, G. Hassan, M. A. Khan and F. U. Khan. 2001. Evaluating economics of intercropping sunflower in spring planted sugarcane at different geometrical patterns and NPK levels. *Pak. J. Biol. Sci.*, Vol. 4 (Supplementary Issue No.3): 205-208.
24. Khan, N. U., S. U. Khan, G. Hassan, **A. A. Khakwani** and Q. Nawaz. 2001. Studies on chemical weed control measures in wheat (*Triticum aestivum* L.). *On-line J. Biol. Sci.* 1(17): 584-586.
25. Uddin, N., **A. A. Khakwani**, S. Khan and A. Wahab. 2000. Dera-98: An outstanding heat tolerant wheat cultivar for warmer areas of NWFP. *Pak. J. of Bio. Sci.* 3 (11):1817-1819.
26. **Khakwani, A. A.**, H. K. Ahmad, Nasiruddin Khan and M. H. Khan. 1993. Agro-economic study of intercropping mung and guar in sorghum. *Gomal Univ. J. Res.* 13(2): 121-126.
27. **Khakwani, A. A.**, H. K. Ahmad, Nasiruddin Khan, H. U. Khan and S. U. Khan. 1993. Effect of intercropping and planting geometry on the yield and yield related traits of sorghum. *Gomal Univ. J. Res.* 13(2): 133-140.

PROCEEDINGS:

1. Abdullah, K., **A. A. Khakwani**, K. Naveed and A. Latif. 2004. Onset of rice borer (*Tryporiza* sp.) and leaf folder in relation to different transplanting dates of low land rice cultivar IR-6. (Accepted for presentation in 5th congress of plant protection. Plant Protection Society of Serbia. Nov. 22-27, 2004. Zalatibar, Serbia).
2. Awan, I. U., I. Wazir, M. Sadiq, M. S. Baloch, I. H. Shah, M. A. Nadeem, E. A. Khan, **A. A. Khakwani** and I. Bakhsh. 2011. Pntial application of a crop extract for weed suppression as an alternative for chemical weed control in rice. 23rd Ascian-Pacific Weed Science Society Conference. The Sebel Cairn, 26-29 September 2011. Pp:19-27.

COMPUTER WORKING KNOWLEDGE:

Can successfully operate most of the work processing and statistical package used in scientific research.

REFERENCES:

- **Masaaki Shiraishi**, Instructor, Rice Cultivation Section. C/o Tsukuba International Centre, 2nd Programme Division, 3-6 Koyadai Tsukuba-Shi Ibaraki-Ken JAPAN 305-0074. Phone +81-0298-38-1715 Ext. 4250. Email (shiraishi@oada.or.jp).
- **Dr. Haji Khalil Ahmad**, Professor, Department of Agronomy, Faculty of Agriculture, Gomal University, Dera Ismail Khan 29050, Pakistan. Phone +92-961-9280132.
- **Khalid Abdullah**, Research Officer, Agricultural Research Institute, Dera Ismail Khan 29020, Pakistan. Phone +92-961-740046.