

CURRICULUM VITAE

Of

Dr. MUHAMMAD IDREES KHAN

1	PERSONAL						
	Father's name					Gull Muhammad Peer	
	Date of birth					10-03-1969	
	Place of birth					Malakand Agency NWFP	
	Marital status					Married	
	N. I. Card No.					15401-0709594-9	
	Passport No.					NL4115941	
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	Citizenship					Pakistani	
	Postal address					Head, Plant Breeding & Genetics Section/Senior Scientific Officer Central Cotton Research Institute (CCRI) Old Shujaababd Road P.O. Box Number 572 Multan, PAKISTAN Email Add : peer60000@yahoo.com & peer60000@gmail.com Website : www.ccri.org.pk	
	Permanent address	Village Qualdara (Dargai Phattak), P.O. Dargai Malakand Agency, NWFP; PAKISTAN. Phone No. +923009056536					
	Language Proficiency	Pashto, English, Urdu and Punjabi					
11	EDUCATION						
	Degree	Year	Marks/CGP A	Division			
			Obtained/Total	%	Division		
	M.Sc. (Hons) Agri. PBG specialisation	1995	3.6/4.00	88.75	1 st		
	B.Sc. (Hons). Agri. PBG specialisation	1991	416/625	65.6	1 st		

PhD. Degree		2014	3.67/4.00	88.8	1 st
		2014			
III	Topic of M. Sc. (Hons) Thesis Research				
	Evaluation of indigenously evolved Sugarcane Crosses for some qualitative and quantitative parameters.				
III	Topic of Ph. D Thesis Research				
	Contribution to the study of combining ability and genetic diversity among cotton (<i>Gossypium .hirsutum</i> L) genotypes				
IV	EXPERIENCE & AREA OF SPECILIZATION				
	Designation	From		To	
	Farm Manager	August 01 st , 1994		August 18 th , 1996	
	Research Officer	August 19 th 1996		Dec.31, 2000	
	Scientific Officer/ In charge World Cotton Gene pool	01.01.2001		20-09-2012	
	Senior Scientific Officer/ In charge World Cotton Gene pool	21-09-2012		05-04-2016	
	Head, Plant Breeding & Genetics Section/Senior Scientific Officer	06-04-2016		To date	
	• Expert in Maize, Sugarcane and Cotton Breeding, • Maintaining World Cotton Gene Pool, of Cotton Germplasm containing about 2000 cotton genotypes from all over the World and have • Having expertise in DNA finger printing Techniques in Cotton crop				
V	SEMINARS/TRAINING/WORKSHOP ATTENDED				
	Name		Place	From	To

01	First Fruit Tree Nursery Workshop Malakand Fruit & Vegetable Development Project Agri. Research Station Mingora Swat	Mingora Swat N.W.F.P.	Nov. -24 th - 1996	Nov.-26 th - 1996
02	Travelling Seminar on Cotton	Cotton Institutes/Stations & Farmers fields in Sindh & Punjab Provinces	Sep. - 9 th -2005	Sep. - 29 th - 2005
03	Second National Workshop Establishment of a National Information Sharing Mechanism for Monitoring the Implementation in Pakistan of Global Plan of Action for the Conservation and Sustainable Utilization of Plant Genetics Resources for Food & Agriculture and Preparation of a PGRFA Country Report	Plant Genetics Resources Program, IABGR, National Agricultural Centre, Park Road, Islamabad	Dec.-18 th - 2006	Dec. 19 th -200
04	Third National Workshop Establishment of a National Information Sharing Mechanism for Monitoring the Implementation in Pakistan of Global Plan of Action for the Conservation and Sustainable Utilization of Plant Genetics Resources for Food & Agriculture and Preparation of a PGRFA Country Report	Plant Genetics Resources Program, IABGR, National Agricultural Centre, Park Road, Islamabad	April 10th 2007	
05	National Institute for Genetic Engineering and Biotechnology (NIBGE) Jhang Road Faisalabad, Pakistan	Practical Training on Plant Biotechnology	16th January 2008	16th April 2008
06	Agricultural Biotechnology Research Institute, Ayub Agri. Res. Institute (AARI) Jhang Road Faisalabad	Use of DNA fingerprinting techniques for the improvement of Agricultural crops	17th January, 2008	19th January, 2008

07	National Institute for Genetic Engineering and Biotechnology (NIBGE) Jhang Road Faisalabad, Pakistan	Breeding of Bt gene in local elite varieties of Cotton	28th April, 2008	2nd May, 2008
08	Travelling Seminar on Cotton	Cotton Institutes/Stations & Farmers fields in Sindh & Punjab Provinces	October 6 th 2009	October 15 th 2009
09	National workshop on “Strengthening of plant Genetics Resources Information for Food and Agriculture including the National Information Sharing Mechanism (NISM) for Global plan of action”.	Plant Genetics Resources Program, IABGR, National Agricultural Research Centre,(NARC) Park Road, Islamabad	December 16 th 2009	
10	Training Course for key stocks holders on National Information sharing Mechanism-Software and its application	Plant Genetics Resources Program, IABGR, National Agricultural Research Centre,(NARC) Park Road, Islamabad	April 13 th -14 th 2010	
11	One day training course on conservation of Genetic Biodiversity	Plant Genetics Resources Program, IABGR, National Agricultural Research Centre, (NARC) Park Road, Islamabad	December 21 st 2010	
12	Belt Wide Cotton Conference	Orlando-Florida USA	January 03-06. 2012	
13	Annual work on Cotton workshop of ICARDA Cotton Project	NARC Islamabad	December 08-12. 2014	
14	International Workshop on seed	Uni. Agri. Faisalabad, Pakistan		
15	Annual work on Cotton workshop of ICARDA Cotton Project	NARC Islamabad	August 18-22. 2015	

16	Borlaug Fellowship Program	College of Agri.& Environ. Sci. Plant Molecular Lab. NESPAL Building, Tifton Georgia, USA.	09-13-2013 to 12-07-2013
17	75th Plenary Meeting of ICACA Titled "Emerging dynamics in Cotton Enhancing Sustainability in Cotton Value Chain"	Serena hotel Islamabad, Pakistan	October 30, 2016 to November 04, 2016

SCHOLARLY PUBLICATIONS OF MUHAMMAD IDREES KAHN

VI RESEARCH PUBLICATIONS

Research Papers (National)	26
Research Papers (National) under publication	01
Research Papers (International)	4
Research Papers under publication	01
Total Research paper published	30

VII GENERAL RES. ARTICLES 2

SCHOLARLY PUBLICATIONS

RESEARCH PAPERS

1. **Khan. M. I¹** , Khadim Hussain, Muhammad Akbar & Hafiz Abdul Haq. 2017. Evolution of Cotton (*Gossypium hirsutum* L.) Variety Bt.CIM-598 Equipped with Wider Adaptability Traits, CLCuV Tolerant and Desirable Fibre Traits. Jour.Pl. Agric. & Basic Sci. Vol. 28.PP:2518-4210. <http://www.jabsjournal.com>.
2. **Khan. M. I¹**, Hafiz Abdul Haq¹, Kalim ullah², Muhammad Arshad³, Judi Shefflor⁴. Genetic diversity and correlation studies for Cotton Leaf Curl Disease (CLCuD), fiber & yield related attributes in exotic lines of *Gossypium arboreum* L. American J. Pl. Sci. Vol., 8, 615-624 <http://www.scirp.org/journal/ajps> ISSN
3. **Khan. M. I.**, M. A. Dasti, Z. Mahmood, & M. S. Iqbal. 2014. Effects of fiber traits on seed cotton yield of cotton (*G. hirsutum* L.). J. Agric. Res., Vol. (2).159-166.
4. Hussain K., M. Ali, W. Nazeer, M. A. M Khan, M. Afzal, **M. I. Khan**. 2012. Quantification of cry1ac protein at different stages of plant growth in cotton (*G. hirsutum* L.) Albanian j. agric. sci. Nr. 4/Vol.11 2020-2218.
5. Khan, J. Bakhat, S. A Khan, M. Saeed, **M. I. Khan**, & H Khan 2011.d Groundnut genotypes yield potential under Northern Khyber Pukhtoonkhwa- The Swat valley. Pak. J. Botany. Accepted for Publication. Registered No. 1335-CPB. Dated 29-11-2011.
6. Khan, J. Bakhat, **M. I. Khan**, H Khan, M. Saeed & M Liaqat.2011. High yielding Peanut genotypes for Dir Lower Northern Pakhtunkhwa, Pakistan. Pak. J. Botany. Accepted for Publication. Registered No. 1387-CPB.
7. **M. I. Khan**, M. K. S. Sarwar, A. Khan, S. A. Khan & M. T Jan.2011. Genotypic response off cotton (*Gossypium hirsutum* L) varieties in respect of seed cotton yield and its components. Vol. 55 Pp-67-81.

8. **M. I. Khan**, M. Afzal, A. Khan, H. M. Saeed, & T. H. Malik. 2011. Genotypic exploitation of Commercial cotton (*G. hirsutum* L) cultivar under the agro-climatic condition of Multan, Pakistan. *The Pak Cotton*. Vol: 54 No.14. Pp 57-63.
9. Arshad, M., **M. I. Khan**, Ch. R. Ali, M. Afzal, and M. Rahman. 2009. Registration of 'CIM-496' Cotton Cultivar. *Journal of Plant Registrations*. Crop Science Society of America, 677 S. Segoe Rd., Madison, WI 53711 USA., Vol. 3, (3): 231-235.
10. Ch. R. Ali M. Arshad, **M. I. Khan**, M. Afzal and N. Illahi. 2007. Indigenous evolution of determent and high yielding upland cotton variety CIMN-534. *The Pak. Cottons*, 51(1&2):61-75.
11. Arshad, M., **M. I. Khan**, Ch. Rehmat Ali and M. Afzal. 2007. Development of Semi determinant, high yielding and heat tolerant Cotton variety CIM-496. *The Pak. Cottons*, 51(1&2):25-39.
12. Arshad, M., M. Afzal, **M. I. Khan** and. Ch. Rehmat Ali. 2005. Evolution of high yielding, heat tolerant and early maturing upland cotton variety CIM-506. *The Pak. Cottons*, 49(1&2):49-62
13. Arshad, M., Ch. Rehmat Ali, **M. I. Khan** and M. Afzal. 2005. Indigenous evolution of long staple and high yield upland cotton variety CIM-707. *The Pak. Cottons*, 49(1&2):35-44.
14. Arshad, M, M Hanif, Ch. Rehmat Ali, M. Afzal **M. I. Khan** and N. Illahi, 2003. Evolution of a high yielding with quality fibre upland cotton variety CIM-499. *The Pak. Cottons*, 47 (3&4):17-23.

15. Arshad M., M. Afzal, **M. I. Khan** and M. Rashid. 2003. Performances of newly developed cotton strains for economic and fibre traits in National Co-ordinated Trails (NCVT). Pak. J. Sci. & Ind. Res.46 (5) 373-375.
16. Rehmat Ali, M. Arshad, **M. I. Khan**, and M. Afzal. 2003. Study of earliness in commercial cotton (*G. hirsutum* L) genotypes. Journal of Research (Science) Bahauddin Zakariya University Multan. Vol: 14 (2): 153-157.
17. Jan, M. T., **M. I. Khan** M. Naeem and R. Mehmood. 2003. Leafhopper management of autumn potato crop in Peshawar (PAKISTAN). Journal of Research Asian (Sciences). Bahauddin Zakariya University Multan. Vol: 14 (1): 35-42.
18. Mehmood, R., M. T. Jan and, **M. I. Khan**. 2002. Impact of feeding mulberry leaves with foliar spray nitrogen in the larval development and silk yield of silkworms. Indus Journal of agricultural Sciences, Vol.: 1 (4): 349-353.
19. **Khan, M. I.**, M. Afzal, N. Illahi and M. T. Jan. 2002. Genotype x Environment Interaction Studies in Seven Pakistani Upland Cotton Genotypes. Indus Journal of agricultural Sciences, Vol.: 1 (4): 325-329.
20. Jan, M. T., **M. I. Khan**, R. Mahmood and M. Naeem 2002. Management of Aphids (*Myzus persicae*) on Autumn Sown Potato Crop. Asian J. of Biological Sci. Faisalabad 1(4): 397-4000.
21. Jan, M. T., M. Naeem **M. I. Khan** and R. Mehmood.2002. Management of insect pests of autumn potato crop in diverse culture in NWFP (Peshawar). Asian Journal of Plant Sciences. Vol: 1 (2): 203-204.

22. Mehmood, R., M.T. Jan and **M. I. Khan** 2002. Effect of nitrogen (Farm yard manure + Urea) treated mulberry trees on the larval development and cocoon weight of silkworm, (*Bombyx mori* L.) Asian Journal of Plant Sciences. Vol: 1 (2): 93-94.
23. Afzal, M., M. Arshad, **M. I. Khan** and N. Illahi. 2002. Yield response of indigenously evolved upland cotton genotypes for various traits in National Co-ordinated Varietal trails (NCVT) under Multan Conditions. Asian Journal of Plant Sciences. Vol: 1 (2): 119-120.
24. Afzal M., M. Arshad, **M. I. Khan**, Ch. Rehmat Ali and, M. Hanif 2001. Genotypes x Year Interaction for Economic and fibre traits in five newly developed cotton (*G. hirsutum* L) genotypes. Journal of Agricultural Research, Vol. 40 (2) Pp: 81-89.
25. Arshad, M., N. Illahi, M. Rashid, Rehmat Ali, T. Mehmood, **M. I. Khan** and Z. Qamar. 2001. Response of Exotic and Local Cotton Germplasm to Cotton Leaf Curl Virus. Pakistan Journal of Biological Sciences. Vol: 4 (Suppl. Issue No. 6): 572-573.
26. Hanif M., M Arshad. M. Afzal and **M. I. Khan**. 2001. Yield response and yield parameters of newly developed cotton varieties of *G. hirsutum* L. Baluchistan J. of Agric. Sciences. 2 (1): 9-13.
27. Afzal, M., M. Arshad, **M. I. Khan**, T. Jan, Noor Illahi and S. Haider. 2001. Genotypic environmental interaction for yield and its components of newly evolved cotton genotypes under Multan conditions. Pak. J. Biological Sciences. 4 (Suppl. 5): 440-441.
28. **Khan, M. I.**, Imran Muhammad, and Ayub Khan. 2001. Evaluation of indigenously evolved Sugarcane (*Saccharum officinarum* L.) crosses for some qualitative and quantitative parameters. Pak. Sugar Journal 16(4): 12-17.

29. Khan, A., N. J. Malik, **M. I. Khan**, and S. Raiz. 2001. Growth performance, heritability and interrelationship in some quantitative traits in Sunflower. Online Journal of Biological Sciences Vol; 1 (10) 895-897).
30. Khan A., M. Rahim, Amjad Khan and **M. I. Khan**. 2001. Yield response of groundnut genotypes under sub-mountainous condition of Malakand Division, NWFP. Pakistan. P. J. Biol. Sci. 4(4): 404-406.
31. Khan, A., M. Rahim, Amjad Khan, **M. I. Khan** and Shahid Riaz. 2000. Correlation and path analysis studies in Brassica napus L. Pak. J. Agric. Res. 16(2): 127-130.
32. Khan, A., M. Rahim, **M. I. Khan** and M. Tahir, 2000. Genetic variability and criterion for the selection of Peanut genotypes. Pak. J. Agric. Res. 16(1): 9-12.
33. Khan, A., M. Rahim, **M. I. Khan** and Amjad Khan. 1998. Yield Performance of Brassica napus L. varieties at Swat Valley Bottom. Sarhad J. Agric. 14 (3): 181-185.
34. Khan, A., M. Rahim, **M. I. Khan** and Amjad Khan. 1998. Seed filling duration and yield in Lentil. Lens Newsletter. 25 (1 & 2).

GENERAL ARTICLES

- 1 **Khan, M. I.**, F. Ahmad and M. Afzal 2001. Effective Micro-organisms (EM) Technology and its roles in Cotton Production. The Pak. Cotton Grower Vol.: 5, (2): 13-14.
- 2 Ayub Khan and **M. I. Khan** Recommendation for quality seed production of Groundnut (Arachis hypogaea L) in NWFP. Zaraf Sarhad. Col.19 No. 2:22-24
- 3 Ghulam Hussain & **M. I. Khan** A book titled "Cotton Leaf Curl Virus and better management of cotton (Urdu)" published by Pak US-ICARDA Cotton Project at CCRI, Multan during 2012.
4. **Dr. Muhammad Idrees Khan** & Tariq Mahmood. A book titled "Cotton Germplasm Maintenance with Plant & Fibre Characteristics".(Under Press)

CO-BREEDER IN VARIETIES RELEASED

Aabid-96: High yielding, mid maturing and thick cane variety, having resistant to frost and some diseases of sugarcane, recovery per cent of 8 to 11.9% and perform well in cold regions (Peshawar valley). (**Sugarcane Variety**)

J.N-88: High yielding, early maturing and thin cane variety, with moderate resistant to insect and pest and frost damage, recovery per cent of 8 to 11.9%, and perform well in cold regions (Peshawar valley). (**Sugarcane Variety**)

Malakand-13: High yielding, early maturing, thick cane variety, good sugar recovery percentage (10 to 12%) as well as resistant to and pest and frost damage and well adapted to lower Sindh conditions. (**Sugarcane Variety**)

CIM-496:- High yielding, early maturing, desirable fibre characteristic's variety having wider adoptability thorough the country. (Variety registered in Journal of plant registration of Crop Science society of America, USA, 2009)

(**Cotton Variety**)

CIM-573:- High yielding, CLCuV tolerant, early maturing, long staple variety having wider adoptability thorough the country.

(**Cotton Variety**)

Bt. CIM-598:- Genetically modified, High yielding, early maturing, desirable fibre characteristic's variety having wider adoptable (also approved for general cultivation Sindh).

(Cotton Variety)

Bt. CIM-602:- Genetically modified, High yielding, early maturing, desirable fibre characteristic's variety having wider adoptable (also approved for general cultivation Sindh)

(Cotton Variety)

CIM-620:- This is the single cotton variety approved during 2016 in Punjab which is high yielding and early maturing, with desirable fibre characteristic's. **Due to its earliness it is well suited to Cotton-Wheat rotation.**

(Cotton Variety)