

NAME : **FARHATULLAH**

Personal Information

- Father Name : JUMA GUL
- Date of Birth : 15 December 1960
- N.I.C #. : 17301-1245728-9
- Postal address : Department of Plant Breeding & Genetics, NWFP
Agricultural University Peshawar, Pakistan
- Telephone No: : 91-92-9218425 (Residence)
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EXPERIENCE

Organization	Post held	BS	Duration
NWFP Agricultural University Peshawar	Lecturer	17	Sep 1984-Dec 1992
	ii. Asst. Professor	18	Dec 1992-Mar1998
	iii. Assoc. Professor 2001	19	Mar 1998-Aug
	iv. Professor	20	Aug 2001- Dec 2007
	v. Professor	21	Jan 2007- Till date
Total experience is 25 years and six months on 23 March 2010			

Awards/Honours

- HEC Best Teacher award for the year 2008

Memberships:

1. Link coordinator US universities – UC-Davis, SIUC and UIUC

2. Patron in Chief: Agriculture Anti-Narcotics Society
3. Liaison Officer for SIUC and UIUC
4. Advisor Foreign Students IBMS/CS (April 16, 2002 to April 15, 2005)
5. Director Advanced Studies and Research – (Dec, 2004 to 2008)
6. Chief Editor Sarhad Journal of Agriculture – (2005 to 2008)
7. Focal person, Higher Education Commission for indigenous scholarships (Until March 2006)
8. Member US-AID and Japanese Need base scholarships – Until 2008
9. Coordinator HRD component (Faculty Development Program- Foreign Scholarships Scheme) – Until 2008

Graduate Students Postdocs Undergraduate Students

Number of M.Sc. (Hons)/M.Phil produced

26

1. Muhammad Shahab Saqib and Farhatullah (2010) Genetics Diversity for black Point Disease (*Alternaria alternate* (FR) Keissler) Infection in Wheat germplasm of Pakistan.
2. Safia Akbar and Farhatullah (2009) Genetics Variability and Combining Ability studies in an 8x8 Diallel Crosses of Rapeseed (*B.napus* L)
3. Sumayya Inayat and Farhatullah (2009) Genetic analysis of yield and Quality Traits in Diallel Crosses of Mustard.
4. Bilal Javed and Farhatullah (2008) Comparative analysis of Improvement in Interspecifically Hybridized lines of Brassica and Their Parentage by invitro Culture
5. Muhammad Khalid and Farhatullah (2007). Linkage studies in Brassica.
6. Muhammad Yasir Khan and Farhatullah (2006). Effect of Backcrossing on the quantitative and Qualitative Traits in Brassica.
7. Fazli Dayim Shehzad and Farhatullah (2006). Selection of Elite Genotypes in F3

Families of Interspecific Crosses in Brassica Species.

8. Attaullah and Farhatullah (2005) Acclimatization of Brazilian Burley Tobacco (*Nicotiana tabacum* L.) germplasm under agro-ecological conditions of Swat Valley.
9. Naseem Javed and Farhatullah (2004) Genetic Variability in Locally Developed Sunflower Hybrids.
10. Sardar Ali and Farhatullah (2002) Genotypic performance of some advanced lines of rapeseed.
11. Qazi Mohammad Ajwad and Farhatullah (2001). Path coefficient analysis in soybean (*Glycine Max* L.)
12. Mohammad Younas and Farhatullah (2000). Heterobeltiosis studies for yield and yield components in sunflower (*Helianthus annuus*, L.).
13. Farooq-e-Azam and Farhatullah (2000). Genetic variability, correlation studies and path coefficient analysis in sunflower hybrids.
14. Nisar Ahmad Khan and Farhatullah (2000). Heterosis and Heterobeltiosis studies in full diallel crosses of rape seed/canola (*Brassica napus*).
15. Nadeem Akhtar and Farhatullah (1999). Combining ability studies in sunflower.
16. Muhammad Hanif and Farhatullah (1995). Correlation studies and chemical analysis of sunflower cultivars.
17. Akhtar Abbas Kazmi and Farhatullah (1989). Correlation and path coefficient analysis of yield component in soybean.
18. Abdul Nisar and Farhatullah (1989). Genetic variability and correlation studies of yield and yield components in wheat.
19. Muhammad Tasneem Siddique and Farhatullah (1988). Environmental influence on the radiation induced variation in genetic parameters of Triticale in M2.
20. Khwaja Ahmad Hussain and Farhatullah (1988). Environmental influence and the effect of gamma irradiation in M2 in barley.
21. Iftikhar Hussain Khalil and Farhatullah (1988). Environmental influence on the gamma radiation induced genetic parameters of wheat in M2.
22. Abdul Jalil Marwat and Farhatullah (1987). Correlation studies for quantitative character of barley (*Hordium vulgare*).

23. Muhammad Shah Sawar Khan and Farhatullah (1987). Environmental influence and the effect of gamma irradiation on morphological characteristics in wheat.
24. Mohammad Naeem and Farhatullah (1987). Genetic variability and correlation studies for yield and yield component in sunflower (*Helianthus annuus*, L.).
25. Mohammad Siddiq Kiani and Farhatullah (1986). Genetic variability and correlation studies for yield and yield components in maize (*Zea mays*, L.).
26. Jehanzeb and Farhatullah (1986). Sensitivity of mungbean varieties of different doses of irradiation in M2 generation.

Number of PhD produced **03**

1. Masood Jan and Farhatullah .(2004). Genetic Analysis of heritable Traits in Sunflower
2. Amjad Khan and Farhatullah. (2004). Development of Hybrid and Open Pollinated True Potato Seed in NWFP
3. Muhammad Riaz and Farhatullah (2008). Sequence Analysis of Cytoplasmic Male Sterile and Restorer Genes in Brassica Napus Inbred Lines and Prediction of Heterosis in Canola Hybrids Using Molecular Markers. (1st Joint dissertation research with UC-Davis USA)

Service Activity

Brief St Educational Administration

1. Director Advanced Studies and Research (12/2004to 2008 & 2010 onwards)
2. Director Teaching (2010 onwards)
3. Chief Editor Sarhad Journal of Agriculture (2005 to 2008 & 2010 onwards)
4. Chairman Department of Plant Breeding and Genetics (6/4/2007 to 9/2010)

Other:

1. Link coordinator US universities – UC-Davis, SIUC and UIUC
2. Patron in Chief: Agriculture Anti-Narcotics Society
3. Liaison Officer for SIUC and UIUC
4. Advisor Foreign Students IBMS/CS (April 16, 2002 to April 15, 2005)
5. Focal person, Higher Education Commission for indigenous scholarships (Until March 2006)
6. Member US-AID and Japanese Need base scholarships – Until 2008
7. Coordinator HRD component (Faculty Development Program- Foreign

Scholarships Scheme)

8. Contact person for EU Partnership under EU EMA2 Programme 2011

Statement of Research Interest

Breeding oilseed crops linkages of genes for improvement of grain yield and disease resistance began in 2003 at the NWFP Agricultural University, Peshawar under the HEC funded project. The selected hybrid families are in F8 generation. Consideration have been to use the most effective means of incorporating favourable alleles governing quantitative traits into the adapted populations of Brassica. The new lines will be released soon. In addition, aphids resistance is the other objective, which was also given due consideration. The same genes for aphid resistance shall be linked in soybean.

Publications:

S#	Name of authors	Complete name of Journal	Title of Publication	Vol. No. & Page No.	Year of Publication	Impact Factor
1	Wisal M. Khan ¹ , Iqbal Munir, Farhatullah , M. Arif, Aqib Iqbal, Ijaz Ali, Dawood Ahmad, Mushtaq Ahmad, Afaq Mian, Jehan Bakht, Inamullah and Zahoor A. Swati	African Journal of Biotechnology	Assessment of genetic diversity of <i>Brassica juncea</i> germplasm using randomly amplified polymorphic DNA (RAPD) markers	10(19): 3654-3658	2011	0.565
2	S. Ali, I. Munir, M. Arif, Inamullah, Farhatullah , I. Ali, A. Iqbal, M. Ahmad, M. W. Khan, S. J. Abbas and Z. A. Swati.	African Journal of Biotechnology	Characterization of <i>Brassica napus</i> Germplasm Based on Molecular Markers	10(16): 3035-3039	2011	0.565
3	M. Ahmed, S. Iqbal, Farhatullah and A. Bashir	African Journal of Biotechnology	Isolation and identification of differentially expressed genes between <i>Gossypium arboreum</i> and <i>Gossypium hirsutum</i> species	10 (3):337-343	2011	0.565
4	Farhatullah , Mark M. Stayton, Robin W. Groose and Mohammad Jamal Khan	Pakistan Journal of Botany	Genetic analysis of race-specificity of <i>pseudomonas syringae</i> pv. <i>Glycinea</i>	43(1): 7-13	2011	0.517
5	Raziuddin, Farhatullah , G. Hassan, M. Akmal, S. S Shah, Fida Mohammad, M Safi, J. Bakht and W. Zhou.	Pakistan Journal of Botany	Effects of cadmium and salinity on growth and photosynthesis parameters of brassica species	43(1): 333-340	2011	0.517
6	M. Akmal, Uzma Farid, M. Asim, Farhatullah and Raziuddin	Pakistan Journal of Botany	Crop growth in early spring and radiation use efficiency in alfalfa	43(1): 635-641	2011	0.517
7	Mohammad Tariq Jan, Mohammad Jamal Khan, Ahmad Khan, Muhammad Arif, Farhatullah , et al.	Pakistan Journal of Botany	Improving wheat productivity through source and timing of nitrogen fertilization	43(2): 905-914	2011	0.517
8	Mohammad Jamal Khan, Mohammad Tariq Jan, Farhatullah , et al.	Pakistan Journal of Botany	The effect of using waste water for tomato	43(2): 1033-1044	2011	0.517

9	Naushad Ali Turi, Raziuddin, Farhatullah , et al.	Pakistan Journal of Botany	Combining ability for yield related traits in <i>brassica juncea</i>	43(2): 1241-1248	2011	0.517
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10	Naqib Ullah Khan, Khan Bahadur Marwat, Gul Hassan, Farhatullah , et al.	Pakistan Journal of Botany	Genetic variation and heritability for cottonseed, fiber and oil traits in <i>Gossypium</i> <i>hirsutum</i>	42(1):6 15-625	2010	0.51 7
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11	Raziuddin, J. Bakht, Z.A. Swati, M. Shafi, Farhatullah and M. Akmal.	Pakistan Journal of Botany	Effect of cultivars and cultural medium on callus formation and plant regeneration from mature embryos of wheat (<i>Triticum</i> <i>aestivum</i> , L.)	42(1):63 9-652	2010	0.51 7
12	Farhatullah , Mark M Stayton, R W Groose, KB Marwat, Raziuddin, NU Khan, M. Akmal and M. Inayatullah	Pakistan Journal of Botany	Increase in frequency of the RPG4 gene in soybean cultivars	42(2):9 97-1002	2010	0.51 7
13	I. A Khan, G. Hassan, K. B. Marwat, I. Daur, S. M. A Shah, N.U Khan, S A Khan and Farhatullah .	Pakistan Journal of Botany	Interaction of wild oat (<i>Avena</i> <i>fatua</i> L.) with divergent wheat cultivars	42(2): 1051- 1056	2010	0.51 7
14	Batool S, NU Khan, K Makhdoon, Farhatullah , Raziuddin, KB Marwat and IA Khan.	Pakistan Journal of Botany	Heritability and genetic potential of upland cotton genotypes for morpho-yield traits	42(2): 1057- 1064	2010	0.51 7
15	Farhatullah , R W Groose, Raziuddin, M. Akmal and M. Inayatullah.	Pakistan Journal of Botany	Mapping gene for bacterial blight (RPG4 locus) in soybean	42(3):2 145- 2149	2010	0.51 7
16	M. Akmal, Hameed- ur-Rehman, Farhatullah , M. Asim and H. Akbar	Pakistan Journal of Botany	Response of maize varieties to nitrogen application for leaf area profile, crop growth, yield and yield components	42(3): 1941-1947	2010	0.51 7
17	K. Makhdoom, NU Khan, S. Batool, Z. Bibi and	Pakistan Journal of Botany	Genetic aptitude and correlation studies in	42(3):20 11-2017	2010	0.51 7

	Farhatullah, et al.		<i>Gossypium hirsutum</i> L			
18	Gulam Nabi ,Abdur Rab,Syed Jaffer Abbass, Farhatullah ,Naqibullah Khan and Fazal Munsif	Pakistan Journal of Botany	Influence of different levels of potash on the quantity and storage life of onion bulbs	42(3):2151-2163	2010	0.517
19	Khalid, M., Farhatullah , NU Khan, Raziuddin, M Akmal and M.Y. Khan.	Pakistan Journal of Botany	Linkage of morphological markers in <i>Brassica</i>	42(5):2995-3000	2010	0.517
20	Raziuddin, ZA Swati, J. Bakht Farhatullah, et al.	Pakistan Journal of Botany	<i>In situ</i> assessment of morpho-physiological response of wheat (<i>Triticum aestivum</i> L.) genotypes to drought	42(5):3183-3195	2010	0.517
21	M. Tahir, S. Anwar, M. Khalid, A. Ali, Azra, N. Ali and Farhatullah	Pakistan Journal of Botany	An IDM approach to improve ratoonability of sugarcane crop in kp province, Pakistan	42(5):3215-3219	2010	0.517
22	N. A Turi, Farhatullah , M. A Rabbani and Zahida H. Pervaiz	African Journal of Biotechnology	Study of Total seed storage protein in Indigenous <i>Brassica</i> species based on sodium dodecyl sulfate ployacrylamide gel electrophoresis (SDS-PAGE)	9(45):7595-7602	2010	0.565
23	Amanullah, M. Zakirullah, M. Tariq, K. Nawab, A. Z Khan and Farhatullah, et al.	Pakistan Journal of Botany	Levels and time of phosphorus application influence growth, dry matter partitioning and harvest index in maize	42(6):4051-4061	2010	0.517
24	R. Khan, H. Khan, Farhatullah and K. Harada.	Australian Journal Crop Science	Evaluation of microsatellite markers to discriminate induced mutation lines, hybrid lines and cultigens in chickpea (<i>Cicer arietinum</i> L)	4(5):301-308	2010	0.667
25	S.J Abbas , Farhatullah , Khan Bahadar Marwat, I.A Khan and Iqbal	Pakistan Journal of Botany	Molecular Analysis of Genetic Diversity in <i>Brassica</i>	41(1):167-176	2009	0.517

	Munir		Species			
26	N.U. Khan, G. Hasasn, K.B. Marwat, Farhatullah , et al.	Pakistan Journal of Botany	Genetic Variability and Heritability in upland cotton	41(4): 1695-1705	2009	0.517
27	N. U. Khan, G. Hassan, K.B Marwat, Farhatullah , et al.	Pakistan Journal of Botany	Diallel analysis of some quantitative traits in <i>Gossypium hisutum</i> L.	41(6): 3009-3022	2009	0.517
28	Naqib ullah khan, Khan Bahadar Marwat, Gul Hassan, Moula Bux Kumbhar, Farhatullah , et al.	Pakistan Journal of Botany	Study of Fiber Quality Traits in upland cotton using additive-dominance model	41(3): 1271-1283	2009	0.517
29	Syed J. Abbass , Farhatullah .I.A Khan, Khan Bahadar Marwat and Iqbal Munir	Pakistan Journal of Botany	Molecular and Biochemical Assessment of <i>Brassica Napus</i> and Indigenous <i>Campestris</i> Species	40 (6) : 2461-2469	2008	0.517
30	Farhatullah , Mark M. Stayton, and Robin W. Groose	SABRAO J Breeding and Genetics	Survey of soybean germplasm for bacterial blight resistance alleles at the <i>Rpg4</i> locus	28:57-62	1996	0.370

(Please attach separate list on the same format, if, required)

* Impact Factor (IF) of a particular Journal can be checked from the <http://www.isiwebofknowledge.com>

List of Publication in Foreign Journals

S#	Name of authors	Complete name of Journal	Title of Publication	Vol. No. & Page No.	Year of Publication	Impact Factor
1	S. Jawad A. Shah, S. Hussain, M. Ahmad, Farhatullah , I. Ali and M. Ibrahim.	Journal of General Plant Pathology	Using leaf tip necrosis as a phenotypic marker to predict the presence of durable rust resistance gene pair Lr34/Yr18 in wheat	10.1007/s10327-011-0301-6	2011	
2	Farhatullah	J. Oilseed Crop	Heterosis for yield and yield components in diallel crosses of <i>Brassica napus</i> L.	9-16	2006	
3	Farhatullah , N. Akhtar, and I.H. Khalil	Research on Crops	Genetic analysis for qualitative and quantitative characters in	7(2):464-470	2006	

			<i>Helianthus annuus</i> L.			
4	Farmanullah, J.H Lee and Farhatullah	Songklanakari n J. Sci.	Evaluation of cucumber (<i>Cucumis</i> <i>sativus</i> L.) accessions (cultivars and lines) against the two-spotted spider mite..	28 (4):709- 715	2006	

B- List of Publications in Journals* Having NO Impact Factor

S#	Name of authors	Complete name of Journal	HEC Categor y	Vol. No.	Title of Publication	Year of Publica tion
1	R. Khan, Farhatullah and H. Khan	Sarhad J Agriculture	X	27(1):67- 72	Dissection of genetic variability and heritability estimates of chickpea germplasm for various morphological markers and quantitative traits	2011
2	M. Khalid, Farhatullah , M. Y. Khan, A. Ali and N. Ali	Sarhad J Agriculture	X	26(3):369- 371	Assessment of inheritance pattern of the two morphological markers in intraspecific hybridization of brassica napus l.	2010
3	Sajid Ali, Asad Shah, M Arif, Ghazal Miraj, Imran Ali, M.Sajid , Farhatullah ,M. Yasir khan,Noor Moula Khan	Sarhad J Agriculture	X	(25) 1: 15-19	Enhancement of Wheat Grain Yield and Yield Component of Zinc and Boron	2009
4	Syed Mehar Ali Shah, Farhatullah , Hidyatur Rahman , Atta Ullah , Durrishahwar, M. Yasir Khan,M.sohail and Noor Moula Khan	Sarhad J Agriculture	X	(25) 1: 31-36	Acclimatization of Burley Tobacco Gerplasm Under Agro- ecological Conditions of Swat Valley	2009
5	Sajid Khan, Farhatullah , Iftikhar H. Khalil, Iqbal Munir, M. Yasir Khan and Naushad Ali	Sarhad J Agriculture	X	24 (2):217- 222	Genetic variability for morphological traits in F3:4 <i>brassica</i> populations	2008
6	R. Gul, H. Khan, G. Miraj, S. Ali, Farhatullah and i. Ullah	Sarhad J Agriculture	X	24(1):37- 42	Correlation study on morphological and yield parameters mungbean (<i>vigna</i> <i>radiata</i>)	2008

7	Sajid Khan, Farhatullah , Iftikhar H Khalil	Sarhad J Agriculture	X	24 (2):223- 231	Genetic variability, heritability and correlation for some quality traits in F3:4 brassica populations.	2008
8	Raziuddin, VB Wollaston and Farhatullah	Sarhad J Agriculture	X	23(3):601- 609	Characterization of EMS induced leaf senescing mutants in <i>Arabidopsis</i> .	2007
9	Farhatullah , Zaheer Abbas and Syed Jaffer Abbas	Intl J Agric and Bio	Y	(1):181- 182	In Vitro Effects of Gibberellic Acid on Morphogenesis of Potato Explants	2007
10	Farhatullah , Farooq-e-Azam and Ifikhar Hussain Khalil.	Intl J Agric and Bio	Y	(5):621- 626	Path Analysis of the Coefficients of Sunflower (<i>Helianthus annuus</i> L.) Hybrids.	2006
11	Masood Jan, Farhatullah , Khalid Rasool and Bushra Faiz.	Sarhad J Agriculture	X	21(3):377- 384	Heterosis estimates for yield and yield components in Sunflower	2005
12	Masood Jan, Farhatullah and Bushra Faiz	Pak. J. Bio. Sci.	Y	29(2): 13- 17	General and Specific Combing Abilities of Physiological Traits in Sunflower (<i>Helianthus annus</i> L.).	2005
13	Masood Jan, Farhatullah , Raziudin and Ghulam Hassan.	Pak. J. Biolog. Sci.	X	8(5): 710- 713	Combining ability analysis in Sunflower (<i>Helianthus annus</i> L.)	2005
14	Masood Jan, Farhatullah , and Ghulam Hassan.	Pak. J. Biolog. Sci.	X	8(4): 553- 557	Heterosis estimates for yield and yield components in Sunflower (<i>Helianthus</i> <i>annuus</i>).	2005
15	Masood Jan, Farhatullah , Zar Quresh, Muhammad Tariq Jan and Bushra Faiz..	Sarhad J Agriculture	X	21(1): 55- 62	Diallel analysis of yield and yield components in sunflower	2005
16	Farhatullah , Sardar Ali, and Farmanullah.	Interl. J. Agri. Biolog	X	6(1):203- 205	Comparative yield potential and other quality characteristics of advanced lines of rapeseed	2004
17	Masood Jan, and Farhatullah	Sarhad J Agriculture	X	18(2): 211-213	Performance of sunflower cultivars under climatic conditions of	2002

					Peshawar.	
18	Farhatullah , Rashid Mahmood and Raziuddin.	J. Biotechnology	Z	1:73-77	In-vitro effect of salt on the vigor of potato plantlets.	2002
19	M. Younas, Farhatullah and R. Ahmad. Pak. J. Bio. Sc.	Pak. J. Biolog. Sci.	X	(Sup. Issue No.1): 83-85	Estimates of heterosis and heterobeltiosis in Sunflower (<i>Helianthus annuus</i> L.)	2001
20	Farhatullah and inayatullah	Sarhad J Agriculture	X	7(2):131-135	Response of soybean to water stress	1996
21	Hanif M., Farhatullah and Raziuddin	Sarhad J Agriculture	X	12(6):649-652	Correlation studies of grain yield and other characters in sunflower varieties.	1996
22	S. U. Hassan, farhatullah , U. Said	Sarhad J Agriculture	X	6(1):71-74	Gamma Rays and fast neutrons induced variability in vigna radiate L. wilczek	1990
23	S. U Hassan, Farhatullah , S. Khan and M. Iqbal	Sarhad J Agriculture	X	5(5):467-471	Enviromental influence on the effect of gamma irradiation on proximate chemical composition of barely (<i>Hordeum Vulgare</i> L.)	1989
24	Farhatullah	Sarhad J Agriculture	X	5(6):619-622	The Association of vegetative grain filling and maturity phases and total protein with grain yield in maize	1989
25	A. A Kazmi, Farhatullah , S. U. Hassan	Sarhad J Agriculture	X	7(2):95-103	Variability and correlation studies of yield and yield components and soyabean.	1991
26	Farhatullah , S. U. Hassan, M. T. Jan, N. Badshah	Sarhad J Agricultural	X	1(1):193-196	Studies of Interrelationships between yields and its components in maize (<i>Zea Mays</i> L.)	1985
27	Siddiqui, SH, Raziuddin and Farhatullah	Sarhad J Agriculture	X	1 (2):287-293	Gamma radiation induced variations in sunflower (<i>Halianthus annus</i> L.) varieties.	1985

Research Grants and Contracts:

S.#	Title	Funding Agency	Rs. (In million)	Duration	Status
1	Development of Desi Sarsoon (Brassica campestris L.) through conventional and modern techniques	HEC	1.007	2003-2007	Complete
2	International Linkages of Pakistani Universities with Foreign Universities	HEC	16.190	2007	In Progress

Selected Professional Presentation

- Farhatullah 2010 Editor of the Proceedings of a International Symposia “Institutional Linkages for Agriculture Development in Pakistan” held at KPK AUP Peshawar from 20-21 December, 2010
- Farhatullah and Dawood Jan (2006) Editor of the Proceedings of a National Workshop “Issues and Challenges in Agricultural education, research, and environment in the next millennium” held at Bara Gali from 25-30 Aug, 1999
- Farhatullah and Dawood Jan, Editor of the Proceedings of a National Workshop (2006) held on July 23-26, 2004 Bara Gali Abbottabad Pakistan “Emerging Challenges of Food Security and Open Market Economy”
- Farhatullah and Farmanullah Editor of the Proceedings of a National Workshop (2002) held on July 25-27, Bara Gali Abbottabad Pakistan “Poverty Alleviation through Sustainable Agriculture Development”.