

CV OF DR. AZIZ UR REHMAN

1.Name: Dr. Aziz ur Rehman
2.Father Name: Saif-ur-Rehman
3.Date of Birth: 01-08-1964
4. Position Held: Chief Scientist Durum/Triticale Wheat Research Institute, AARI, Faisalabad /Project Director Foundation Seed Cell, AARI, Faisalabad.
5.Date of Joining Govt Service 28-5-1989
6.Research Experience 35- Years
7.Permanent Address H.No 212 Mohellah Mohib Ali Shah Near Madina Masjid Kamalia
8.Domicile Dist. T.T.Singh-Punjab
9.Nationality: Pakistani
10.NIC No. [redacted]
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12. Academic Record

Certificate/Degree	Institution	Year	Subjects	Marks %age	Grade
Post Doctorate (9 Month)	CIMMYT, Mexico	2010	Wheat Breeding, Quality, Pathology Marker Assisted Selection	-	-
Ph.D.	Univ. Agric. Faisalabad	2004	Plant Breeding and Genetics	-	-
Masters	Univ. Agric. Faisalabad	1989	Plant Breeding and Genetics	75.90	B
Graduation	Univ. Agric. Faisalabad	1987	Plant Breeding and Genetics	70.94	B
Intermediate	Sargodha Board	1983	Pre-medical	61.40	B
Matric	Sargodha Board	1979	Science	74.23	A

13. Trainings/Courses:
A) International

Sr.No	Training	*Institution*	*Duration*
1	Wheat Improvement Course	CIMMYT, Mexico	Aug.3-Oct.2, 2009
2	Standardization of Stem Rust Note Taking and Evaluation of Germplasm	CIMMYT, Mexico	Sep 26-Oct 7, 2009
3	Phenotyping for Physiological trait based breeding and gene discovery	CIMMYT, Mexico	Nov 23-Dec 4, 2009

B) National

Sr.No	Training	*Institution*	*Duration*
1	DSSAT Training	ACT- UAF Govt. of the Punjab	Oct 2017 to Aug. 2018
2	Capacity Building Program on PPRA rules	PPRA S&GAD Lahore	18-5-15 to 19-05-15
3	Financial management for Officers	MPDD, Lahore	21-01-13 to 25-01-2013
4	How to make Power point presentations	MPDD, Lahore	06-06-2005 to 08.06.2005
5	Finance Administration, Management & E-Governance Batch-1	ORIC, UAF	23-12-2019 to 20-01-2020
6	Finance, Administration, Management Batch-6	ORIC, UAF	16-5-22 to 10-05-22

15. Varietal Contribution

Contributed in the development of following wheat varieties

Sr No	Variety	Year of Release	Salient Characteristics
1	Seher-06	2006	Covering more than 50% wheat area at its peak, have good APR against Yellow rust but now susceptible to leaf rust
2	Shafaq-06	2006	Good quality, short duration, fit well in Cotton-wheat system
3	Lasani-08	2008	Good quality, high tillering capacity, showed resistance against Ug99 in Kenya during 2007
4	Faisalabad-08	2008	High yielding, drought tolerant
5	AARI-11	2011	High yielding, agronomically like ATTILA, Resistant to Local Stem rust race
6	Punjab-11	2011	A derivative of Inqulab, High yielding, Lodging tolerant, Good APR for LR and YR
7	Millat-11	2011	High yielding, Good APR for LR and YR
8	Galaxy-13	2013	High Yielding, Good APR for LR and YR
9	Ujala-16	2016	Heat Tolerant
10	Akbar-19	2019	Covering 50% area currently High Yielding, Wide adoptability
11	Dilkush-20	2021	High Yield, disease resistant
12	Subhani-21	2021	Higher Test Weight, High yield, Rust resistant
13	MH-21	2021	High yield, Rust resistant, suitable for late sowing

14	**Arooj-22**	**2021**	**High yield, Resistant to LR and YR, excellent heat tolerance**
15	**Durum-21**	**2021**	**Suitable for Pasta and other industrial products**
16	**Talbina-21**	**2021**	**Hulless barley for porridge**
17	**Jau-21**	**2021**	**High yielding six row barley**
18	**PRI Mung-18**	**2018**	**Disease resistant, short duration suitable for catch crop**
19	**Punjab Massor-19**	**2019**	**Drought tolerant, High yielding**
20	**Punjab Masoor-20**	**2020**	**Earlier Maturing, Disease Resistant**

16- Publications

A) BOOK

1. ***Rehman, A*** **and S.Ajmal. 2011. Wheat Breeding for Durable Rust Resistance, LAP LAMBERT ACDAMIC BOOK COMPANY, GERMANY**

B) BOOK CHAPTERS

2) **Zulkiffal, M. A. Ahsan. J. Ahmad, M. Musa, A. Kanwal, M. Saleem, J. Anwar, A. Rehman, S. Ajmal, S. Gulnaz, M.M. Javaid. 2021. Heat and drought stresses in wheat (*Triticum aestivum L.*) Substantial yield losses, Practical achievements, improvement approaches and adoptive mechanism. Plant Stress Physiology: Intec open. Pp 1-23.**
3) **Hussain,M., A.Rehman, I. Habib, M. Hussain, N. Ahmad, M.A. Khan, M. Hussain and F. Muhammad: 2012. Breeding wheat for salt tolerance and stem rust resistance. In Crop Production for Agri. Improvement, Publishers SPRINGER.COM. Pp 201-216**
4) **Asghar, A., S.Rauf, S. Nazir, S.A.Tariq and A. Rehman. 2011. Utilization of Wheat as a cultural species. In: Wheat,Genetics, Crops and Food Production. Nova Science Publishers, Inc. Newyork**

C) IMPACT FACTOR INTERNATIONALLY ABSTRACTED JOURNALS

5) **Amin. A Muhammad, S. Kaukab, A. Rehman, M. Amin, A. Batool, Q. Fatima, Z. Maqsood, I. Rasool, J. Iqbal A. Hussain, M. Nazar, A. Aziz and K. Ilyas. 2023. Noor-2019: A High-Yielding and Marvelous Chickpea Kabuli Variety Developed in Punjab, Pakistan. Plant Bulletin Vol 2, (1) 29-41.**
6) **Ahmad. J, A. Rehman, I. Ghafoor, N. Ahmad, M. Sarwar, M. Abdullah, M. H. Tanveer, M. Nadeem, S. Ajmal, A. Javed, M. Makhdoom, and M.M. Javaid. 2023. Durum-21: A New High-Yielding and Good Quality Durum Wheat Variety Suitable for Pasta Production. Proceeding of the Pakistan Academy of Science: B Life and Environmental Sciences 60(3): 383-392.**

7) **Ahmad. J, A. Rehman, N. Ahmad, J. Anwar, M. Nadeem, M. Owais, M. Abdullah, S. Gulnaz, Y. Ramzan, H. Shair, M. Saleem, and R. Shahzad. 2023. Dilkash-20: A Newly Approved Wheat Variety Recommended for Punjab, Pakistan, with Supreme Yielding Potential and Disease Resistance. SABRAO Journal of Breeding and Genetics 55(2) 298-308.**
8) **Ahmad. N, A. Rehman, S. Gulnaz, A. Javed, R. Sultana, S. Ajmal, A. Ahsan, S. Shamim, M. Nadeem, H. Shair, M. Abdullah, J. Ahmad, and M. Sarwar. 2023. Appraisal of Bread Wheat Germplasm for Quality Attributes and their Relationship with Grain Yield. SABRAO Journal of Breeding and Genetics 55(2) 388-398.**
9) **Javaid. M.M, N. Ahmad, A. Javed, M. Makhdoom, M. Saleem, M. Owais, M. Nadeem, S. Rahman, S. Mehboob, S. Naz, A. Rehman, J. Ahmad, and M. H. Tanveer. 2022. Monitoring and Detection of Wheat Blast Disease Caused by Magnporthe Oryzae Triticum Pathotype in Punjab, Pakistan. SABRAO Journal of Breeding and Genetics 54(5) 1004-1015.**
10) **Zulkiffal Muhammad, J. Ahmad, M. Owais, N. Ahmed, A. Ahsan, A. Rehman, J. Anwar, Y. Ramzan, M. Musa, and M. Nadeem. 2022. Disclosure of stress driver's traits related to reliability in normal, drought and heat prone settings in bread wheat advanced lines. Bulgarian Journal of Agriculture Science, 28(No 3) 488-493.**
11) **Asghar S., A.Rehman, N. Ahmad, S. Ajmal, A. Ahsan *et al* 2022. Evaluation of Pakistani wheat germplasm for leaf rust resistance at various locations. PLoS ONE. (17)5. E0266695. DOI. .org/10.1371**
12) **M. Sajjad Saeed, S. Kaukab, A.Rehman, M.Aamir Amin, *et al. 2022.* Chronological levels for selection and development f disease resistant, climate resilient, and high yielding lentil cultivar for food security. 2022. Plant cell Biotech and Mol. Bio. 23 (23&24). 6-21**
13) **Usman, M. H. Habib, M.Satish, S.Iqbal, J.Altaf, A.Rehman, A. I. khan, R.Maqbool, S. Hussain, F. Saleem, Z. Kashif, and F.S Awan.2022. Genomic Characterization of Puccinia triticina using Molecular Markers. Brazilian Journal of Biology DOI 10.1590/1519-6984-249472**
14) **Aasma, S. Asad, M. fayyaz, K. Majeed, A. rehman, S. Ali, J. Liu, A. Rasheed, Y.Wang. 2022. Genetic Variability and aggressiveness of *Tillecia indica* isolates causing Kernal Bunt in Wheat. J. Fungi 8, 219. DOI/10.3390/jof 8030219**
15) **Muhammad, S-----and A.Rehman.(2020).Genome wide association analysis for stripe rust resistance in spring wheat (Triticum aestivum L) germplasm, J. of Itegrative Agric. 19 (8) 2035-2043 (DOI.10. 1016/S20953119 (19) 62841-8)**
16) **Gulnaz, S. Zulkiffal, M. Sajjad, J. Ahmad, M.Musa, M.Abdullah, A.Ahsan and A.Rehman. (2019). Identifying Pakistani Wheat (Triticum spp L.) Landraces as Genetic Resources for Yield Potential, Heat Tolerance and Rust Resistance. Intl. J. Agric. Biol. 21:520–526 (DOI:10.17957/IJAB/15.0924)**
17) **Muhammad, S. A.Ahmad, F.S. Awan, A.I. Khan, M.Qasim, A. Rehman, M.A.Javed, I. Manzoor and M. Sajjad.(2018). Genome wide association analysis for leaf rust in spring wheat (Triticum aestivum L) germplasm. Int.J. Agric. Biol., 20(11)2387-2394**
18) **Asghar, M.J., K.P. Akhtar, G.Abbas, M.Rizwan, M.Iqbal, M.Idrees, S. Ali, M.Aslam, M. Rafiq, A.Rehman and M.E. Khan (2017). Identification**

ofmultiple sources of resistance in lentil against some potential fungal diseases. Pak J. Agric. Sci., 55(4). 875-880

19) **N. Ahmad, A.S.Khan, M. Kashif, A. Rehman and A.I. Khan (2016) Genetic studies of biomass portioning in wheat under water stress conditions. The JAPS., 27(1):144-152**
20) **Muhammad, S. A.I. Khan, A . Rehman, F.S. Awan, A. Rehman. (2015). Screening for leaf rust resistance and association of leaf rust with epidemiological factors in wheat (T. aestivun L.) Pak. J. Agri. Sci. 52(3): 691-700**
21) **Rehman, A., M. Sajjad, S.H. Khan. R.J. Pena and N.I. Khan. 2014. Lower tendency of allelic variation of Glu genes and absence of 1BL-1RS translocation in modern Pakistani wheat. Cereal Research Communications, 42(1): 139-150Impact Factor 2013 = 0.572**
22) **Rehman, A. S.H. Khan, M. Sajjad and N. Ahmad. 2013. Prospects of wheat breeding for durable resistance against brown, yellow and black rust fungi- Int. J Agric. Biol., 15(6) :1209-1220**
Impact Factor 2013 = 0.902
23) **Akram, A. Khan, I.A, Awan, F.S., Rehman,A., Ahmad,F., Malik,A, Rao,S. 2012. Genetic diversity in Indian Sub-continental land race cultivars of Genus Triticum L.: African J of Biotechnology:11(44) 10170-10175. (IF = 0.57)**
24) **Farooq, J., I. Khaliq, M.A. Ali, M. Kashif, A. Rehman, M. Naveed, Q. Ali, W, Nazir and A. Farooq. 2011. Inheritance pattern of yield attributes in spring wheat at grain filling stage under different temperature regimes Aust. J Crop Sci. 5(13) 308-317. (IF=1.63)F**
25) **Khan M.A., K. Jabran, S.I Awan, A. Abbas, Ehsanullah, M.Zulkiffal, Tuba Acet, J. Farooq and A.Rehman. 2011. Morpho physiological diversity and its implications in improvimg drought tolerance in grain sorghum at different growth stages. Aust J Crop Sci. 5(3) 308-317 (IF=1.63)**
26) **Rehman, A, M.A. Ali, M. Saleem, W.G Tadesse.2010. Study of heritable variation and genetics of earliness in mungbean (*Vigna radiata* L. Wilczek). Euphytica. 176(3): 331-339. (IF= 1.69)**
27) **Riaz-ud-Din, G.M. Subhani, N. Ahmad, M. Hussain, A.Rehman. 2010. Effect of temperature on development and grain formation in spring wheat.**
Pak. J. Bot., 42 (2): 899-906 (IF=1.208)
28) **Wains, M.S., M.A. Ali, I.H. Waris, J. Anwar, M. Zulkiffal, W. Sabir, A. Rehman, M. Hussain and K.Miraj. 2010. Rigorous, a homeopathic medicine, effective for controlling aphid in bread wheat. JAPS, 20(4):248-252 (IF=0.549)**
29) **Rehman, A, M.A. Ali , B.M.Atta, M. Saleem, A. Abbas, A.R. Malhi. 2009. Genetic studies of yield related traits in mungbean (*Vigna radiata* L. Wilczek), Aust. J. Crop. Sci. 3(6):352-360 (IF= 1.63)**
30) **Rehman A., I.Habib. N. Ahmad, M. Hussain, M.A. Khan, J. Farooq and M.A.Ali. 2009. Screening wheat germplasm for heat tolerance at terminal growth stage. Plant Omics Journal, Australia.2(1):9-19 (IF=0.777)**

D) HIGHER EDUCATION COMMISION (HEC) RECOGINIZED INTERNATIONALY ABSTRACTED JOURNALS

31) **Rehman,A. M.E. Khan, K.P.Akthar, S. Kaukab, S. Saeed, M.J. Asghar, J. Salim. 2021. Identification of Sources of disease resistance to mungbean yellow musaic virus (MYMV) and Cercospora Leaf Spot disease (CLS) in Mungbean (*Vigna radiata L)*. Pak J. Phytopathol. 33(4). 335-347**

32) **Ahmad, J. M. I Tabassum, N. Ahmad, M. Nadeem, A.Rehman, M. saleem, M. Zulkiffal, Abdullah, S. Shamim, S.Asghar, S. Ajmal, A.Ahsan, M.Sarwar, H. Shair, M. Rehman, Y. Ramzan, and M. H. Tanveer. 2021 Subhani-21 A tower yielding and rust resistant wheat variety for irrigated areas of Punjab Pakistan. J. Agric. Res. 59(4) 335-345.**

33) **Ahmad, J., J. Anwar M. Owais, M.H. Tanveer, A. Rehman et al. 2020. Akbar-19, A new high yielding and rust resistant bread wheat variety for irrigated areas of Punjab Pakistan. J. Agric. Res. 58(4):221-227.**

34) **Riaz, S. A.Kiran, A.Rehman, S. Kaukab, M. Rafique, A.Tahir, U.Saleem and S. Ijaz. 2020. Evaluating the morphological and yield traits of lentil lens culinaris L. advance lines under water stress conditions. Life Sci J. :17(5) 1-23**

35) **A. Rehman, M. E. Khan, S. Kaukab, S. Saeed, M. Aqeel, G. Riasat, C. M. Rafiq. 2019. Prospects of mungbean as an additional crop in rice wheat system of Punjab Pakistan. Univ. J. Agric. Res. 7(3).136-141.**

36) **Naureen, A., A Kiran, S. Kaukab, A. Rehman, M. S. Saeed, A. Tahir, G. Riasat. E. Khan. 2019. Evaluation of lentil genepool for yield and some yield related attributes. Univ. J. Agric. Res. 7(1). 32-62**

37) **Kanwal A, Z. Ali, R. Shahzad, M. Makhdoom, I. ghafoor, S. Saleeem,A. Bakhs, M. Zulkiffal, N. perveen, A. Rehman and J. Ahmad.2019. Genetic diversity for grain size and its association with yield components in bread wheat. Int.J.Biosci. 14(4) 112-122**

38) **Saeed, M.S. S.Kaukab, C.M. Rafiq, A.Rehman, A. Tahir, G. Riasat, E. Khan, S. Ijaz. 2018. PRI: Mung A new mungbean variety released in Pakistan found resistant to viral diseases. Pak. J. Phytopathol. 31(2). 177-188.**

39) **Rehman, A, M.K. Naeem, M.E.Khan, S. Ajmal *et al.* 2017. Genetic association of canopy temperature and early ground cover with yield and its components in wheat under water deficit conditions. Sci. Tech and Develop. 36(1): 11-16**

40) **Kaukab,S., M.S.Saeed and A.Rehman. 2014. Genetic analysis for yield and some yield related traits in spring wheat. Univ. J. Agric. Res. 2(7): 272-277**

41) **Rehman,A., M. Saleem and M.A. Ali. 2013. Inheritance pattern of degree of indetermination in mungbean. Plant Knowledge Journal. 2(4):163-171**

42) **Ajmal, S., I. khaliq and A. Rehman. 2011. Genetic analysis of yield and yield related traits in bread wheat. J. Agric. Res. 48(4) 447-454.**

43) **Hussain,M., N.Ahmad, F. Muhammad, A.Rehman, M.Hussain, M.A.Khan, M.Hussain and S. Ajmal. 2011. Wheat breeding for high**

yield potential and durable resistance against yellow rust. Pak J Phytopathol 23(1)56-61

44) Maqbool, R., M. Sajjad, I. khaliq, A. Rehman, A.S. Khan and S.H. Khan. 2010. Marphological diversity and trait association in bread wheat (T. aestivum L.) American-Euroasian J of Agric and Environ. Sci. 8(2) 216-224.

45) Sadia Kaukab, Muhammad E, Khan, Muhammad A. Amin, Muhammad Akhter, Aziz ur Rehman, Muhammad Shahid, Muhammad J. Asghar, Muhammad Rizwan. Punjab Masoor-2020:A New Lentil Variety with high seed yield and resistance to potential fungal diseases. 2022. Pak J. Phytopathol. ISSN.1019-753x, Vol.34(02):187-192.

***46)* M. Hussain, M. Hussain, A. Rehman, F. Muhammad, M. Hussain, M., Zulkiffal, N. Ahmad, N. Ahmad and M.A. Khan. 2009. Lasani-08, a new wheat variety with minor gene based rust resistance. Pak. J. Phytopathology. 21(2):152-158.**

***47)* Amir, R. A.G. Kazi, A.Rehman, R. keyani. A.Rehman, A. Mujeeb-Kazi.2009. Characterization of selected land races of Pakistan. Ann. Wheat Newsletter. WGRC, Kansas State Univ. Pp 166-168**

48) Wains, M.S. A.Rehman, M.Latif and M. Hussain. 2008. Aphid dynamics in wheat as affected by weather and crop planting time. J. Agric. Res. 46(4):361-366

49) Din, R., M.A.Khan, W. Sabir, N. Ahmad and A. Rehman. 2007. Selection criterion for high yielding wheat genotypes under normal and heat stress conditions. SAARC Jn. of Agric.,5(2) : 101-110

***50)* Hussain,M.; A. Rehman, M.Hussain, F. Muhammad, M.Younis,A. Q. Malukra and M. Zulkiffal. 2007. A new high yielding durable rust resistant variety- Shafaq-06. Pak. J. of Phytopathology. 19(2):238-242.**

***51)* Abdullah, M.; A. Rehman, N. Ahmad and I. Rasul. 2007. Planting time effect on grain quality characteristics of wheat. Pak. J. Agri. Sci. 44(2). 200-203.**

***52)* M. Akbar, M.A. Khan, A. Rehman and Nadeem Ahmad. (2007). Heterosis and Heterobeltiosis for improvement of wheat grain yield. J. Agric. Res. 45(2): 87-94.**

***53)* M. A. Khan, N. Ahmad, M. Akbar, A, Rehman. And M. M. Iqbal. (2007). Combining ability analysis in wheat. Pak. J. Agric. Sci. 44(1):1-5.**

***54)* Rehman, A., M. Saleem and A. Naveed. (2005). Evaluation of Mungbean germplasm and selection of parents for genetic studies. Pak. J. Agric. Sci. 42(1-2): 61-65.**

***55)* Rehman, A., M. Saleem and A. Naveed. (2005). Genetic analysis for**

harvest index in Mungbean. Pak. J. Agric. Sci. 42(1-2): 66-70.

56) **M.A Khan, M. Zulkifal, M. Imran and A. Rehman. (2004). Evaluation of planting timeand seeding rate in wheat. J. Agric. Res. 42(2):163-170.**

57) **Rehman, A., K. Mahmood M.Ishaq and A.Rashid. (1999). Effect of plant height and maturity duration on seed yield in pigeonpea. International Chichpea and Pigeonpea Newsletter. (5):17-18.**

58) **Rehman, A., M.S. Bhatti, K. Naz and K. Mahmood. (1997). Correlation studies in mungbean. J. Agric. Res. 36(1):31-35.**

59) **Rehman, A. M.S. Bhatti, A. Saeed, M. Ishaq and M. M.Iqbal. (1996). Variability and character association in chichpea *Cicer arietinum* L under water stress conditions. J. Agric. Res. 34(6): 441-446.**

60) **Naseem, B. A., T. Iqbal, A. Rehman and M. S. Bhatti. (1996). Selection criterion for high yielding genotypes in kabuli chickpea *Cicer arietinum* L. J. Agric. Res. 34(4-5): 311-314.**

61) **Mahmood, K. A. Rehman, M. Ishaq and M. S. Bhatti. (1996). Genetuc Variability and Character association in pigeonpea. Pak. J. Sci. 48 (3-4). 67-71.**

62) **Rehman, A, M. Saleem, M.S. Bhatti and M. N. Iqbal (1995). Selection Criterion for high yielding genotypes in urdbean. J. Agric. Res. 33(4)263-266.**

63) **Rehman, A. M. Akram, A. Saeed, K. Mehmood and M. Tufail. (1995), Correlation and Path coefficient analysis in *Vigna mungo.* J. Agric. Res. 33(2-3): 143-148.**

64) **Naseem, B.A. A. Rehman and T. Iqbal. (1995). Evaluation of Kabuli Chichpea germplasm. International Chichpea and Pigeonpea Newsletter. (2) 13-15.**

65) **Rehman, A., B. A. Naseem, K. Mehmood, Z. Mehmood and M. Tufail. (1994). Effect of maturity duration on harvest index and seed yield of urdbean (*Vigna mungo L. Hepper).* J. Agri. Res. 32(4): 439-442.**

66) **Rehman, A., M. A. Khan and I. Hassan. (1993). A diallel analysis for some ginning and fibre traits in *G. hirsutum* L. Crosses under Faisalabad conditions. J. Agri. Res. 31(3) 259-266.**

67) **Rehman, A. and M. A. Khan (1993). Genetic analysis of varietal differences in *G. hirsutum* L. Crosses under Faisdalabad conditions. J. Agri. Res. 31(1) 153-159.**

68) **Ali, A., A. Rehman M.Akram and M.Tufail. (1993). Selection of urdbean (Vigna mungo L. varieties for efficiency in dry matter partitioning. J. Agric. Res. 31(1)5-10.**

D)ABSTRACTS AND PROCEEDINGS OF SEMINAR/CONFRENCES/ WOKSHOPS

69) **Rehman,A. C.M.Rafique and O.U. Khan. 2014. New crop ideotypes for adaptation to climate change. In Abstract Proceeding 5th Int. Conference on "Agriculture, food security and climate change, University of Poonch, Rawalakot. Sep.09-11,2014.**

70) **M.A.Ali, J. Farrooq, M. Zulkifal, J. Anwar, A.Rehman and M. Hussain. 2014. Morphophysiological diversity in advance lines of bread wheat under drought conditions at post anthesis stage. In Abstract Proceeding 5th Int. Conference on "Agriculture, food security and climate change, University of Poonch, Rawalakot. Sep.09-11,2014.**

71) **Rehman, A and N.I.Khan. 2013. Prospects of pyramiding rust resistance and quality genes by marker Assisted selection in wheat. Oral Presentation. I n Abstract Proceeding Int. Conference on Bitechnology: Prospects & Challenges in Agri., Industry, Health and Environment. NIBGE. Faisalabad**
22-26 April 2013

72) **A. Rehman, R. P. Singh, S. Ajmal, N. Ahmad, N.I.Khan and M. Hussain. 2011. Identification of new rust resistance sources in wheat by molecular tools and field evaluation. Oral Presentation. In Abstract Proceedings. Int. conf. on Applied Genetics and Biotechnology,8-10 Dec. 2011, CABB, UAF. Pakistan**

73) **A. Rehman, S. Ajmal, N.Ahmad, S. Asghar, M. Hussain, F. Muhammad and M. Hussain. 2011. Emergence of new rust races of wheat and their potential threat to food security. Oral Presentation, National Conference on " Sustainable Agriculture in changing climate, July 7-9, 2011, Bara Gali, Pakistan**

74) **Rehman,A. N.Ahmad, M.A.Khan, M.Hussain, N.I. Khan, M. Zulkiffal,W.Sabir,N.Ahmad, M.M.Iqbal, M.Munir, M.Younas, GM Subhani, MI Khokhar. 2010. Identification of sources for heat, salt, drought and frost tolerance inn spring wheat (T. aestivum) germplasm. In Abstracts Proceed. 8th Int. Wheat Conf. June 1-4, 2010, St. Petrsburg., Russia.**

75) **Rehman A., M.Hussain, M.Hussain, F.Muhammad, M.Hussain, N.Ahmad, M.A.Khan, W.Sabir. M.I.Tabassam & M.M. Iqbal, 2009. Wheat breeding for durable rust resistance in Pakistan. Poster presentation, BGRI 2009 Technical Workshop held on 17-20 March, 2009, Cd, Obregon, Mexico.**

76) **Hussain, M. M.Hussain, A.Rehman, M. Hussain, F. Muhammad, S.B. Khan,**
M. Zulkiffal and M.M. Iqbal. 2008. Wheat rust a potential threat for food security and strategic control measures. Oral presentation; International symposium Oct 13-18, 2008 at UAF.Pp.18

79) **Rehman,A. F. Muhammad, M. Husain, N.Ahmad, M.A.Khan, R.Din, M.Hussain and M.Hussain. 2008. Breeding wheat for minor gene based rust resistance. Abstracts International symposium, Oct 13-18, 2008 at UAF.Pp.28**

80) **Hussain, M, A.Rehman, I. Habib, M.Hussain, N. Ahmad, M.A.Khan, M.Hussain, F.Muhammad.2008. Breeding wheat for salt tolerance and stem rust resistance.**

81) Habib, I., A. Rehman, M. Hussain and M.A.khan. 2006. Breeding for salt tolerance in spring wheat. (*Triticum aestivum* L.). Proceedings Int. Wheat Seminar, Feb. 20-21, 2006, WRI, Faisalabad. Pp: 40-45

82) Rehman, A., I. Habib, M. Hussain and M.A.khan. 2006. Screening wheat germplasm for heat tolerance. Proceedings Int. Wheat Seminar, Feb. 20-21, 2006, WRI, Faisalabad. Pp: 46-50

83) Ahmad,N. A.Rehman, M.A.khan, A.Q. Malukra, M.A.Khan and M.I. Tabassum. 2006. Evaluation of bread wheat germplasm for drought stress tolerance. Proceedings Int. Wheat Seminar, Feb. 20-21, 2006, WRI, Faisalabad. Pp: 51-55.

84) Khan, M. A., N. Ahmad, A. Rehman, M.Akbar, M.A.Khan and M.Younus . 2006. Combining ability analysis in wheat. Proceedings Int. Wheat Seminar, Feb. 20- 21, 2006, WRI, Faisalabad. Pp: 92-94.

85) Sabir,W., A. Rehman, M.A.khan, N.Ahmad, M.A.Khan, Q.shakeel and M.Abdullah. 2006.Shifting wheat breeding strategies in Punjab. Proceedings Int. Wheat Seminar, Feb. 20-21, 2006, WRI, Faisalabad. Pp: 99-101.

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88)Khan, M.A., M. Hussain and A.Rehman. 2007. Development of Heat Tolerant Wheat Varieties (ALP Project), Wheat Research Institute, Faisalabad

89) A.Rehman. 2010. Identification of new sources of rust resistance by molecular tools and field evaluation. Post Doctorate Report, CiMMYT, Mexico

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90) Rehman, A, M. A. Khan, F. Muhammad, N. Ahmad and M. Hussain. 2009. Review of wheat breeding in Punjab- Pakistan. Rustopedia: Userguide82; www.rustopedia.org. DRRW, project. Cornell Univ. USA.

91) Rehman, A., 2009. A future threat for wheat productivity: Money plus magazine, The daily Nation: Lahore, 24 August, 2009.

17) Conferences/ Seminars Attended

i. **Wheat system expert knowledge elicitation June-15-16,2022 organized By University of Florida USA at UAF**
ii. **BGRI technical Workshop 2021 Cornell University USA**
iii. **BGRI technical workshop 2020 Cornell University USA**
iv. **International workshop on beans with benefits: potential and limitation for Mungbean production, 8-10 August, 2017. University of Agriculture Faisalabad.**
v. **AIP Annual Conference 2015 held in Islamabad-Pakistan. Organized by CIMMYT, USA**
vi. **BGRI technical work shop 2009 held in Obregon Mexico.Organised By Cornell University USA.**
vii. **Wheat yield symposium 2009 held at CIMMYT headquarter, Albatan, Mexico.**
viii. **5th meeting of Asian Cotton Research & Development Network 23-25 Feb. held in Lahore-Pakistan.**
ix. **National workshop on wheat production technology, September, 2006.**
x. **International Wheat Seminar 20-21 Feb. 2006 held in Faisalabad-Pakistan and large number of national/ International conference held in Pakistan.**

18) Membership of International forums

1. **Borlaug Global Rust Initiative Cornell University USA**
2. **Rust Gene/Rust Monitoring group FAO ROME Italy**

19) Research Experience

Sr. No	Post held	*Institution*	*Duration*
1.	Chief Scientist	Durum/Triticale Wheat Research Inst, Faisalabad	22.09.2023 to date
2.	Project Director	Foundation Seed Cell, AARI, Faisalabad	23.10.2020 to date
3.	Chief Scientist	Barani Agri Research Inst, Chakwal	16.07.2023 to 14.02.2024
4.	Chief Scientist	Pulses Research Institute Faisaabad.	25.05.2023 to 22.09.2023
5.	Principal Scientist (Durum Triticale)	*Wheat research Institute, Faisalabad*	06.05.2021 to 25.05.2023
6.	Durum Triticale Botanist	*Wheat research Institute, Faisalabad*	01.01.2018 to 05-05.2021
7.	Lentil Botanist	*Pulses Research Institute, Faisalabad*	01.05.2012 to 31.12.2017
8.	Assistant Botanist (Cereal)	Wheat Research Institute, Faisalabad	01.07.2004 to 30.04.2012
9.	Assistant Botanist (Tabacco)	Tobacco Research Station Sahiwal	30.05.1998 to 30.06.2004
10.	Assistant Research Officer	Pulses Research Institute, Faisalabad	28.05.1989 to 30.05.1998

20) Participation in Projects

I) **AIP-AVRDC Project, "Improved Mungbean Production" (01-10-13 to 2015). CIMMYT, US AID**

II) **Safeguarding Pakistani wheat from potential disease threats 2010-2015 (PARB Project).**

III) **Development of heat tolerant wheat varieties 2004-2007 (ALP Project).**

IV) **Improvement of Lentil Germplasm for high seed yield and disease Resistance (2013-2018_ (PARB Project).**

V) **Development of short duration, high yielding and disease resistant cultivars of Mungbean for rice wheat cropping system 2015-2020 ((PARB Project).**

VI) **Establishment of Foundation Seed Cell to Strengthen the Seed Production Facilities at Research Institute of Punjab. Since 2021 to 2023 ADP**

VII) **Improving Mash and Lentil Seed Production in Punjab Since 2023 ADP**

VIII) **Up Scalling Black berry and ground nut Production in Potowar region of Palistan Since 2023 ADP**

IX) **Development and Popularization of Industrial Quality Durum Wheat. 2021 to date. (PARB Project)**

21) Students Supervision

Sr. No	Name	Title of Thesis	Degree	Year
1	Saira Nageen 2021-ag-1174	Genetic Variability in Wheat (Triticum aestivum L.) For Nitrogen use efficiency under different nitrogen regimes.	M Phil Botany	2023
2	Maria Farooq 2020-ag-943	Genetic variability studies for agronomic and grain quality traits in bread wheat T. aestivum L.	M Phil Botany	2022
3	Farhat Shahzadi 2020-ag-943	Evaluation of wheat genotypes for leaf resistance under field conditions	M Phil Botany	2022
4	Mussawir Hussain 2019-ag-2034	Genetic variation for Zn contents in wheat (T. aestivum L.) as affected by sowing dates	M Phil Botany	2021
5	Nalain Muhammad 2016-ag-4829	Evaluating the bread wheat germplasm at terminal growth stage for heat stress under tunnel condition	M Phil Botany	2020
6	Anum Nourin 2015-ag-500	Evaluation of Lentil (Lens culinaris L.) germplasm for morphological traits and yield performance	M. Phil Botany	2017
7	Shaheen Riaz 2015-ag-1291	Evaluating the morphological and yield traits of lentil (Lens culinaris L.) advance lines under water stress conditions.	M. Phil Botany	2017

8	**Mehreen Anwar 2011-GCUF-0073**	**Identification of resistant genes for yellow rust resistance in wheat (T. aestivum)**	**M.SC Biotech**	**2017**
9	**Sher Muhammad 2004-ag-1325**	**Association mapping for resistance to leaf rust in Wheat (*T. aestivum* L.)**	**Ph.D Biotech**	**2015**
10	**Munawar Shehzad 2001-ag-1060**	**Association mapping for seed traits in wheat (*T. aestivum* L.)**	**Ph.D PBG**	**2014**
11	**Bilal Ahmad 2007-ag-2214**	**Identification of leaf rust resistance genes in wheat cultivars through microsatellite markers**	**M.Sc. Hons PP**	**2013**



(Dr. Aziz ur Rehman)