DR. WAJID ALI SHAH PhD (Agronomy)

Associate Professor (TTS)
Department of Agriculture
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PROFESSIONAL PROFILE

Agronomist and Climate-Smart Agriculture Specialist with more than 20 years of experience in agricultural research, higher education, climate change adaptation, value chain development, sustainable crop production, and rural development. Extensive experience in donor-funded projects, climate adaptation planning, value chain assessments, agronomic research, university administration, and postgraduate supervision.

EDUCATION

Degree	Discipline	Institution	Year
PhD	Agronomy	Gomal University, D.I. Khan	2013
M.Sc. (Hons.)	Agronomy	NWFP Agricultural University Peshawar	2001
B.Sc. (Hons.)	Agronomy	Gomal University, D.I. Khan	1999
F.Sc.	Pre-Medical	BISE Bannu	1993
Matric	Science	BISE Bannu	1992

CURRENT POSITION

Associate Professor (TTS)
Department of Agriculture
Bacha Khan University Charsadda

UNIVERSITY EXPERIENCE

Bacha Khan University Charsadda

- Associate Professor (TTS) (2016–Present)
- Head of Department, Agriculture (2024–2025)
- Director, Agricultural Research Farm (2015–2017)
- Head of Department, Agronomy (2015–2016)

- Assistant Professor (Contract) (2014–2016)
- Assistant Professor (IPFP) (2013–2014)

Total University Experience: 12+ Years

DEVELOPMENT SECTOR EXPERIENCE

LASOONA Society / OXFAM-GB

MEAL Officer / Project Officer
Swat, Shangla & Kohistan
(2009–2013)

National Rural Support Programme (NRSP)

Programme Officer (ENRM) / Social Organizer
Mianwali Region
(2007–2009)

UNESCO Project

Research Fellow
NWFP Agricultural University Peshawar
(1999–2002)

RESEARCH PROJECTS COMPLETED

Principal Investigator / Team Lead

1. Identifying High-Potential Agricultural, Livestock, Forestry and Non-Farm Value Chains for Sustainable Economic Development in District Shangla (CESVI-Pakistan, PKR 1.9 Million, 2026)
2. Preparation of Climate Adaptation and Local Adaptation Plans of Action (LAPA) for Vulnerable Communities of District Shangla (CESVI-Pakistan, PKR 1.8 Million, 2026)
3. Strategies for Eradicating the Invasive Alien Weed “Parthenium” under Changing Climatic Conditions in Khyber Pakhtunkhwa (CESVI-Pakistan, PKR 1.1 million, 2025)

Total Research Funding Secured

PKR 4.8 million

RESEARCH AND DEVELOPMENT CONTRIBUTIONS

- Climate-Smart Agriculture
- Local Adaptation Plans of Action (LAPA)

- Climate Risk and Vulnerability Assessment
- Agricultural Value Chain Development
- Olive Research and Olive Green Tea Development
- Sustainable Crop Production
- Soil Fertility and Nutrient Management
- Irrigation and Water Management
- Weed Science and Invasive Species Management

List of M. Sc (Hons) Agriculture - Agronomy Students under Supervision of Dr. Wajid Ali Shah

S. No	Name of Students	Status	Supervisor/Co Supervisor	Year
1	Amir Khan	Degree Completed	Supervisor	2020
2	Sefat Khan	Degree Completed	Supervisor	December 2021
3	Murad Khan	Degree Completed	Supervisor	December 2021
4	Safwan Akbar	Degree Completed	Supervisor	December 2021
5	Abbas Khan	Degree Completed	Supervisor	2023
6	Syed Anas Bacha	Degree Completed	Supervisor	2023
7	Amjad Ali	Degree Completed	Co-Supervisor	2023
8	Khizar Hayat	Defense Completed	Supervisor	2024
9.	Faheem Jan	Defense Completed	Supervisor	2026
10.	Shafi Ullah	Defense Completed	Supervisor	2026

List of B. Sc (Hons) Agriculture - Agronomy Students under Supervision of Dr. Wajid Ali Shah

S. No.	Name of Student	Supervisor/ Co-Supervisor	Topic	Year
1	Haseeb Ahmad	Co-Supervisor	Effect of Hydro Priming on yield and yield components of wheat varieties in District Charsadda	2016
2	Muhammad Wisal	Co-Supervisor	performance of wheat varieties to various seed rates under the Agro-Climatic Conditions of Charsadda	2016
3	Muhammad Ishaq	Co-Supervisor	Performance of Barley to various levels of Phosphorus and seed rates	2016
4	Shah Nawaz	Co-Supervisor	Relative impact of Plant density and Nitrogen Levels on the yield and growth of Canola	2016
5	Imran Ullah	Supervisor	Influence of sowing methods on yield and yield components of wheat varieties	2016
6	Aamir Khan	Supervisor	Varietal performance of wheat under different nitrogen levels	2016
7	Jamshad Ali	Co-Supervisor	Impact of tillage and mulching levels on the yield and yield components of wheat	2016
8	Abid Khan	Co-Supervisor	Effect of Foliar application on Zinc and Boron on growth and yield components of wheat	2016
9	Asad Ullah	Co-Supervisor	Effect of Nitrogen on Canola varieties	2017
10	Imad Khan	Supervisor	Effect of different Nitrogen levels on yield components of different wheat varieties	2017
11	Aizaz Akbar	Co-Supervisor	Growth and yield Performance of wheat under different sowing dates	2017
12	Waqas Ahmad	Co-Supervisor	Nitrogen and Genotype effect on yield and performance of wheat	2017
13	Daud Khan	Supervisor	Impact of different nitrogen levels and seed rates on the production of wheat crop	2018

14	Basit Ali	Co-Supervisor	Allelopathy effects of plant parts of two invasive weeds on seed germination and seedling growth of maize varieties	2018
15	Aimal Shah	Supervisor	Effect of Nitrogen level on yield of wheat varieties	2019
16	Syed Anas Shah	Supervisor	Performance of Forage and grain yield of wheat crops under rainfed condition	2019
17	Bakht Didar	Supervisor	Performance of Forage and grain yield of Oat crops under rainfed condition	2019
18	Raza Shah	Supervisor	Performance of different seed rates and Nitrogen levels on yield and yield components of wheat	2020
19	Bilal Ahmad	Supervisor	Performance of different wheat varieties to various Nitrogen levels	2020

List of Publications in Impact Factor from 2016 to 2022 (Total Papers 15) according toHJRS

S. No	Journal Name	Topic	Year of Publication / Accepted	Impact Factor	Category
1.	Journal of Crop Health DOI: 10.1007/s10343-025-01116-w Volume 77, article number 54, (2025)	Integrated Weeds Control Through Seed Priming, Irrigation and Nitrogen in Wheat	**2025**		
2.	https://doi.org/10.21203/rs.3.rs-4725541/v1	Integrated weeds control through seed priming, irrigation and nitrogen in wheat under saline conditions	**2025**		
3.	Journal of Xi'an Shiyou University, Natural Science Edition (ISSN: 1673-064X. VOLUME 18 ISSUE October 2022 140 -158 http://xisdxjxsu.asia	Effect of Salicylic acidspray and molybdenum priming on yield and physiological properties of mungbean	2022	0.38	X
4.	Journal of Xi'an Shiyou University, Natural Science Edition (ISSN: 1673-064X. VOLUME 18 ISSUE October 2022 187-206. http://xisdxjxsu.asia	Effect of iron foliar application and phosphorus fertilization on nutrional indices of mung bean	2022	0.38	X
5.	Scientific Reports https://doi.org/10.1038/s41598-022-16035-3 Scientific Reports | (2022) 12:11997 HJRS | HEC	Comparative efficacy ofphosphorous supplements with PSB for optimizing wheat yield in calcareous soils	2022	4.13	W
6.	Sustainability 2022, 14, 7669. https://doi.org/10.3390/su14137669 HJRS | HEC	Managing Phosphorus Availability from Organicand Inorganic Sources for Optimum Wheat Production in Calcareous Soils	2022	3.48	W
7.	Micromachines MDPI 2022, 13, 668. https://doi.org/10.3390/mi13050668 Pages1-16 HJRS | HEC	Monotheca buxifolia Driven Synthesis of ZincOxide Nano Material Its Characterization and Biomedical Applications	2022	2.94	W

8.	PLOS ONE https://doi.org/10.1371/journal.pone.0258724 HJRS | HEC	Risk of heavy metals accumulation in soil andwheat grains with wastewater irrigation under different NPK levels in alkaline calcareous soil	2021	3.04	W
9.	Peer J 9:e11452 DOI 10.7717/peerj.11452	Comparing the phosphorus use	2021	2.86	W
	HJRS | HEC	efficiency of pre-treated(organically) rock phosphate with soluble P fertilizers in maize under calcareous soils			
10.	Fresenius Environ. Bulletin. Volume 30– No.01/2021 pages 93-102	Proper irrigation schedule and Nitrogendose are key determinants of wheat yield and its component s	2021	0.553	W
11.	Fresenius Environ. Bulletin. Volume 29– No.05/2020 pages 3380-3387	Tillage, Nutrients andweed control affects yield of sugar beet	2020	0.553	W
12.	Fresenius Environ. Bulletin. Volume 28 – No.6/2019 pages 4661-4670	Critical solution {P} in diverse calcareous soil series using adsorptionequations	2019	0.553	W
13.	Fresenius Environ. Bulletin. Volume 28 – No.9/2019 pages 6568-6573	Physical characteristicsof cobs and kernels in sweet corn under varying planting environments	2019	0.691	W
14.	Fresenius Environ. Bulletin. Volume 27 No.10/2018 pages 6945-6951	Growth attributes ofsweet corn under different planting regimes	2018	0.691	W
15.	Fresenius Environ. Bulletin. Vol 25 (6) 2113-2120	Stability of Modified Double Cross maize hybrids for yield parameters across fourenvironments	2016	0.426	W

HEC Recognized Journals (Total Published Papers 40):

S. No	Journal Name	Topic	Year of Publication	HEC Recognized
1.	Pure Appl. Biol., 9(1): 229-239, March, 2020 http://dx.doi.org/10.19045/bspab.2020.90027	Analysis of wheat genotypes and N application on the yield in response toprotein and nitrogen content in grainsand straw	2019	Yes
2.	Pure Appl. Biol., 9(1): 112-120, March, 2020 http://dx.doi.org/10.19045/bspab.2020.90014	Analysis of yield traits, oil content and protein concentration in canola (Brassicanapus L.) in relation to various nitrogen and seed rates	2020	Yes
3.	Pure Appl. Biol., 7(2): 509-517, June, 2018 http://dx.doi.org/10.19045/bspab.2018.70064	Growth and yield of barley varietiesresponse to micro nutrients	2018	Yes
4.	Pure Appl. Biol., 6(3): 864-870, September, 2017 http://dx.doi.org/10.19045/bspab.2017.60091	Growth and yield attributes of canolavarieties under different seed rates	2017	Yes
5.	Pure Appl. Biol., 6(1): 278-285, March, 2017 http://dx.doi.org/10.19045/bspab.2017.6002	Improving the production of barleygenotypes by foliar application of micronutrients	2017	Yes
6.	Pure Appl. Biol., 5(2): 317-325, June- 2016 http://dx.doi.org/10.19045/bspab.2016.50041	Effect of nitrogen fertilization and decapitation stress on Triticum aestivum L. (Wheat) productivity	2016	Yes
7.	Pure Appl. Biol., 5(2): 247-254, June- 2016 http://dx.doi.org/10.19045/bspab.2016.50032	Response of Barley varieties toPhosphorus and Sulphur levels	2016	Yes
8.	Pure Appl. Biol., 5 (2), 529-537 http://dx.doi.org/10.19045/bspab.2016.50067	Response of different wheat varieties tovarious seed rates	2016	Yes
9.	Pure Appl. Biol., 5(3): 511-519, September, 2016 http://dx.doi.org/10.19045/bspab.2016.50065	Nitrogen and phosphorus fertilization ofimproved varieties for enhancing phenological traits of wheat	2016	Yes

10	Pure Appl. Biol., 5(3): 529-537, September, 2016 http://dx.doi.org/10.19045/bspab .2016.50067	Response of different wheat varieties tovarious seed rates	2016	Yes
11	Sarhad J. Agric. Vol.27, No.1,2011	YIELD AND YIELD COMPONENTS OF WHEAT AS AFFECTED BY DIFFERENTSEED RATES AND NITROGEN LEVELS	2011	Yes
12	Sarhad J. Agric. Vol.25, No.3,2009	EFFECT OF IRRIGATION AND NITROGEN LEVELS ON THE YIELD AND YIELD COMPONENTS OF WHEAT	2009	Yes
13	J. Agronomy 5 (1): 106-110, 2006. https://scialert.net/abstract/?doi=ja.2006.106.110	Effect of sowing dates on the yield andyield components of different wheat varieties	2006	Yes
14	Sarhad J. Agric. 20, No.2, 2004: 183-190	Performance of maize varieties underdifferent seed rates	2004	Yes
15	J. Agronomy. 3 (3) 201207, 2004. https://scialert.net/abstract/?doi=ja.2004.201.207	Response of maize hybrids/ cultivars to various levels of Potassium and Irrigationfrequencies	2004	Yes
16	J. Agronomy. 3 (1): 59-67, 2004. https://scialert.net/abstract/?doi=ja.2004.59.67	Comparison of Sorghum ExtractsChemical and Hand Weeding Management in Wheat (Triticumaestivum L.) Crop	2003	Yes
17	Asian Journal of Plant Science.Volume: 2 (2): 242-246 DOI: 10.3923/ajps.2003.242.246	Effect of legume intercrops and nitrogenlevels on the performance of maize.	2003	Yes
18	Asian J. Plant Sci. 2 (6): 464-474. https://scialert.net/abstract/?doi=ajps.2003.467.474	Effect of different planting dates, seedrates and nitrogen levels on wheat	2003	Yes
19	Asian J. Plant Sci. 2 (7): 532 - 534. https://scialert.net/abstract/?doi=ajps.2003.532.534	Effect of maize population (as intercrop)on the growth of ratoon sugarcane and maize yield	2003	Yes
20	Pak. J. Weed Sci. Res. 9 (3-4):161-170, 2003	Efficiency of sorgaab (sorghum water extract) and herbicide for weed control inwheat (Triticum aestivum L.) crop	2003	Yes
21	Asian J. Plant Sci. 2 (7): 535-538	Performance of various levels of NP and different cultivars as affected on yield andyield components of maize	2003	Yes

22	Sarhad J. Agric. 19, No. 2:265-270	Performance of wheat under different weed management practices at variousgrowth stages	2003	Yes
23	Asian J. Plant Sci. 2 (12): 873-877, https://scialert.net/abstract/?doi=ajps.2003.873.877	Effect of Nitrogen and PhosphorusLevels on the Yield Parameters of Sugarcane Varieties	2003	Yes
24	Asian J. of Plant Sci. Vol. 1,No.2: 148-150. https://scialert.net/abstract/?doi=ajps.2002.148.150	Yield and yield components of differentcultivars of wheat, oat and barley underrain fed condition	2002	Yes
25	Asian J. Plant Sciences 1: 213-215. https://scialert.net/abstract/?doi=ajps.2002.213.215	Effect of foliar Vs broadcast application ofdifferent fertilizer levels on barley	2002	Yes
26	Asian J. Plant Sciences. 1: 12-14. https://scialert.net/abstract/?doi=ajps.2002.367.369	Uptake of N by maize as affected byvarious combinations of N and P	2002	Yes
27	Sarhad J. Agric.18: 17-25(2002)	Response of various maize varieties to different levels of NP at Peshawar valley	2002	Yes
28	Asian J. Plant Sciences 1: 300-303. https://scialert.net/abstract/?doi=ajps.2002.300.303	Effect of foliar VS broadcast applicationof different fertilizer levels on wheat	2002	Yes
29	Asian J. Plant Sciences 1: 355-357	Effect of irrigation levels on the yield andyield components of Chick pea	2002	Yes
30	Asian J. Plant Sci.1: 367-369	Effect of various levels of N and P on theyield and yield components of maize	2002	Yes
31	Asian J. Plant Sci. 1: 502-506. **URL:** https://scialert.net/abstract/?doi=ajps.2003.467.474	Effect of different planting dates, seedrates and nitrogen levels on wheat.	2002	Yes
32	Asian J. Plant Sci. 1: 510-512. https://scialert.net/abstract/?doi=ajps.2002.510.512	Frequency of various N levels, lodgingand seed quality in wheat	2002	Yes
33	Asian J. Plant Sci. 1: 513-515. https://scialert.net/abstract/?doi=ajps.2002.513.515	Effect of seed rate on the yield and yieldcomponents of wheat under irrigated conditions of Peshawar	2002	Yes
34	Asian J. Plant Sci. 1: 522-525. https://scialert.net/abstract/?doi=ajps.2002.522.525	Yield and yield component of various wheat varieties as affected by differentsowing dates	2002	Yes
35	Sarhad J. Agric. 18 (3); 251-257	To study the effect of different fertilizerslevels and varieties to maize	2002	Yes
36	Sarhad J. Agric. 18 (3); 335-337	Duration effect of weeds competition onthe yield and yield components of maize	2002	Yes

37	Pak. J. Agric. Engg., Vet. Sci. 18(1-2) 2002	Effect of different weed free periods onthe growth and yield of wheat	2002	Yes
38	Pak. J. Weed Sci. Res. 9 (1-2): 41-48, 2003	Effect of weed management at variousgrowth stages on the yield and yield components of wheat	2002	Yes
39	Pak. J. Bio. Sci. Vol. 4: 516- 518.	Forage performance of different cultivarsof wheat, oat and barley under rain fed condition	2001	Yes
40	Asian Journal of Plant Sciences, 1:148-150. https://scialert.net/abstract/?doi=ajps.2002.148.150	Yield and Yield Components of Different Cultivars of Wheat Barley and Oat UnderRainfed Conditions	2002	Yes
41	Pak. J. Weed Sci. Res. **2004,Volume 10 Page 1-10** https://doi.org/10.28941/pjwsr.v10i1%20and%202.121	Response of Wheat (Triticum aestivumL.) To Various Herbicides at Different Growth Stages	2004	Yes