

PROF. DR. ZAHIR SHAH

RESEARCH PUBLICATIONS

A. Publications in Journals having Impact Factor (IF):	46
B. Publications in Journals having no Impact Factor (IF):	78
C. Publications in Proceedings (Refereed):	11
Total Publications:	135

LIST OF PUBLICATIONS

A. List of Publications in Journals having Impact Factors (IF):

S.#	Name of Authors	Name of Journal	Title of the Publication	Vol. and Page No.	Year	IF
1	Shah, Z. , W.A. Adams and C.D.V. Haven	Soil Biology & Biochemistry	Composition and activity of the microbial population in an acidic upland soil and effects of liming	22: 257-263	1990	2.623
2	Steve, Z.N., Z. Shah , and W.A. Adams	Soil Biology & Biochemistry	Changes in microbial biomass and nitrogen turnover in acidic organic soils following liming	29(9-10): 1463-1474	1997	2.623
3	Abbasi, M.K., Z. Shah , and W.A. Adams	Journal Plant Nutrition and Soil Science	Mineralization and nitrification potentials of grassland soils at shallow depth during laboratory incubation	164(5): 497-502	2001	1.969
4	Shah, Z. , S.H. Shah, M.B. Peoples, G.D. Schwenke, and D.F. Herridge	Field Crops Research	Crop residue and fertilizer N effects on nitrogen fixation and yields of legume-cereal rotations and soil organic fertility	83(1): 1-11	2003	2.232
5	Abbasi, M.K., Z. Shah , and W.A. Adams	Journal Plant Nutrition and Soil Science	Effect of the nitrification inhibitor nitrapyrin on the fate of nitrogen applied to a soil incubated under laboratory conditions	166(4): 513-518	2003	1.969
6	Habib, G., G. Jabbar, M.M. Siddiqui, and Z. Shah	Pakistan Veterinary Journal	Paralytic disorder associated with phosphorus deficiency in buffaloes	24: 18-22	2004	1.255
7	Shafi, M., J. Bakht, M.T. Jan, and Z. Shah	Soil and Tillage Research	Soil C and N dynamics and maize (<i>Zea mays</i> L.) yield as affected by cropping systems and residue management in North western Pakistan	94: 520-529	2007	1.128
8	Stromberger, M., Z. Shah , and D. Westfall	Applied Soil Ecology	Soil Microbial Communities of No-till Dryland Agroecosystems across an Evapotranspiration Gradient	35(1): 94-106	2007	1.755
9	Bakht, J., M. Shafi, M.T. Jan and Z. Shah	Soil and Tillage Research	Influence of crop residue management, cropping system and N fertilizer on soil N dynamics and sustainable wheat (<i>Triticum aestivum</i> L.) production	104: 233-240	2009	1.846
10	Rahman, H., I.H. Khalil, F.M. Abbasi, Z.T. Khanzada, S.M.A. Shah, Z. Shah and H. Ahmad	Pakistan Journal of Botany	Cytomorphological characterization of Tea cultivars	42(1): 485-495	2010	0.47

11	Rahman, H., Arifuddin, Z. Shah , S.M.A. Shah and I.H. Khalil	Pakistan Journal of Botany	Evaluation of maize (<i>Zea mays</i> L.) S ₂ lines in test cross combinations I: Flowering and morphological traits	42(3): 1619-1627	2010	0.52
12	Wisal Mohammad, Samreen Shehzadi, S.M. Shah and Zahir Shah	Pakistan Journal of Botany	Effect of tillage and crop residues management on mugbean (<i>Vigna radiata</i> L. Wilczek) crop yield, nitrogen fixation and water use efficiency in rainfed areas	42(3): 1781-1789	2010	0.52
13	Shah , Z., H. Rahman, M.A. Shah, M. Iqbal, U. Pervaiz and Amanullah	Pakistan Journal of Botany	Tillage and residue impacts on microbial biomass and soil C and N dynamics under different cropping systems	42(3): 1969-1976	2010	0.52
14	Shah , Z., S.R. Ahmad & H. Rahman	Pakistan Journal of Botany	Soil microbial biomass and activities as influenced by green manure legumes in rice-wheat system	42(4): 2589-2598	2010	0.52
15	Amanullah, M. Asif, K. Nawab, Z. Shah , M. Hassan, A.Z. Khan, S.K. Khalil, Z. Hussain, M. Tariq and H. Rahman	Pakistan Journal of Botany	Impact of planting density and P fertilizer source on the growth analysis of maize at Peshawar	42(4): 2349-2357	2010	0.52
16	Bakht, J., M. Shafi, M. Zubair, M. Aman Khan, H. Shah and Z. Shah and U. Pervaiz	Pakistan Journal of Botany	Effect of soil vs foliar application of nitrogen on yield and yield components of wheat varieties	42(4): 2737-2745	2010	0.52
17	A. Shah, M. Shafi, J. Bakht, W. Mohammad, M. Shah, M. T. Jan, M. J. Khan, Z. Shah and Raziuddin	Pakistan Journal of Botany	Effect of integrated use of nitrogen on yield and N uptake of maize crop	42(5): 3633-3638	2010	0.52
18	Amanullah, M. Zakirullah, M. Tariq, K. Nawab, A. Z. Khan, Farhatullah, Z. Shah , A. Jan, S.K. Khalil, M.T. Jan, M. Sajid, Z. Hussain and H. Rahman.	Pakistan Journal of Botany	Levels and time of phosphorus application influence on growth, dry matter partitioning, and harvest index in maize	42(6): 4051-4061	2010	0.52
19	Stromberger, M., Z. Shah and D. Westfall	Soil Biology and Biochemistry	High specific activity in low microbial biomass soils from a no-till evapotranspiration gradient in Colorado	43(1): 97-105	2011	3.342
20	Shah , Z., S.R. Ahmad and H. Rahman	Pakistan Journal of Botany	Sustaining rice-wheat system through management of legumes: I. Effect of green manure legumes on rice yield and soil fertility	43(3):1569-1574	2011	0.947
21	Shah , Z., S.R. Ahmad, H. Rahman and M.Z. Shah	Pakistan Journal of Botany	Sustaining rice-wheat system through management of legumes: II. Effect of green manure legumes and N fertilizer on wheat yield	43(4): 2093-2097	2011	0.947
22	Shah, S.M.A., H. Rahman, F.M. Abbasi, M.A. Rabbani, I.A. Khan, Z.K. Shinwari and Z.	Pakistan Journal of Botany	Interspecific variation of total seed protein in wild rice germplasm using SDS-PAGE	43(4): 2147-2152	2011	0.947

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23	Amanullah, M. Asif, L.K. Almas, A. Jan, Z. Shah, H. Rahman and S.K. Khalil	Journal of Plant Nutrition	Agronomic efficiency and profitability of P fertilizers applied at different planting densities of maize in Northwest Pakistan	35(3): 331-341	2012	0.726
24	Rahman, H., Arifuddin, Z. Shah , S.M.A. Shah and I.H. Khalil	Pakistan Journal of Botany	Evaluation of maize (<i>Zea mays</i> L.) S ₂ lines in test cross combinations II: Yield and yield components	44(1): 187-192	2012	0.726
25	Shah, I.A., H. Rahman, S.M.A. Shah, Z. Shah , Ihteramullah and M. Noor	Pakistan Journal of Botany	Characterization of Pearl Millet germplasm for various morphological and fodder yield parameters	44(1): 273-279	2012	0.947
26	Shah , Z., M.Z. Shah, M. Tariq, J. Bakht and H. Rahman	Pakistan Journal of Botany	Survey of citrus orchards for micronutrients deficiency in Swat Valley of Khyber Pakhtunkhwa Pakistan	44(2): 705-710	2012	0.947
27	H. Rahman, A. Ali, Z. Shah , M. Iqbal, M. Noor and Amanullah	Pakistan Journal of Botany	Line x tester analysis for grain yield and yield related traits in maize variety Sarhad-White	45(SI): 383-387	2013	0.947
28	Shah, S.A and Z. Shah	Communications in Soil Science and Plant Analysis	Effect of MgCl ₂ induced salinity on CO ₂ evolution and N mineralization in a silty loam soil	44 (14): 2173-2185	2013	0.619
29	Shah , Z, Wasiullah, A.U. Bhatti and H. Rahman	Communications in Soil Science and Plant Analysis	Spatial variability of nutrient contents in wheat plants in semi-arid region of north western Pakistan	44(16): 2472-2487	2013	0.619
30	Shah , Z., I. Haq, A. Rehman, Amanullah and M. Afzal	Soil Science and Plant Nutrition	Soil amendments and seed priming influence nutrients uptake, soil properties, yield and yield components of wheat (<i>Triticum aestivum</i> L.) in alkali soils	59: 262-270	2013	0.989
31	Gul, H., Z. Shah , D. Muhammad, and R.A. Khattak	Communications in Soil Science and Plant Analysis	Micronutrients losses from soil under subsurface drainage system	44(17): 2546-2559	2013	0.619
32	Hydayatullah, Amanullah Jr, A. Jan and Z. Shah	International Journal of Agronomy and Plant Production	Residual effect of organic nitrogen sources applied to rice on the subsequent wheat crop	4(4): 620-631	2013	0.467
33	Khan, A., M.T. Jan, A. Jan, Z. Shah and M. Arif	Journal of Plant Nutrition	Efficiency of dry matter and nitrogen accumulation and redistribution in wheat as affected by tillage and nitrogen management	37(5): 723-737	2014	0.526
34	Shah , Z., Y. M. Jani and F. Khan	Communications in Soil Science and Plant Analysis	Evaluation of organic wastes for composting	45: 309-320	2014	0.619
35	Amanullah, S. Shah, Z. Shah , S.K. Khalil, , F.Muhammad, Z.	Turkish Journal of Field Crops	Effect of variable nitrogen sources and rate on leaf area index and total dry matter accumulation in maize (<i>Zea mays</i> L.) genotypes under calcareous soils	19(2): 183-191	2014	1.30

	Hussain, K.M. Kakar, and I. Khan					
36	Amanullah, I. Khan, A. Jan, M.T. Jan, S.K. Khalil, Z. Shah and M. Afzal	Communications in Soil Science and Plant Analysis	Compost and nitrogen management influence productivity of spring maize (<i>Zea mays</i> L.) under deep and conventional tillage system in semi-arid region	46(12): 1566-1578	2015	0.619
37	Ahmad Khan, M. T. Jan, M. Afzal, I. Muhammad, A. Jan and Z. Shah	International Journal of Agriculture & Biology	An integrated approach using organic Amendments under a range of tillage practices to improve wheat productivity in a cereal based cropping system	7: 467-474	2015	0.93
38	M. Adnan, Z. Shah, M. Arif, I.A. Mian, A. Basir, H. Ullah, M. Alam, M.J. Khan and M. Sharif	Canadian Journal of Soil Science	Impact of rhizobial inoculum and inorganic fertilizers on nutrients (NPK) availability and uptake in wheat crop.	96: 169-176	2016	1.382
39	M. Arif, K. Ali, M.T. Jan, Z. Shah, D. L. Jones, and R. S. Quilliam	Field Crops Research	Integration of biochar with animal manure and nitrogen for improving maize yields and soil properties in calcareous semi-arid agroecosystems	195: 28-35	2016	2.927
40	Shehzadi, S., Z. Shah and W. Muhammad	Global Advanced Research Journal of Agricultural Science	Soil carbon sequestration, water use efficiency and yield of maize as influenced by organic amendments in irrigated area of North-West Pakistan	5(7): 249-262	2016	1.217
41	Shehzadi, S., Z. Shah and W. Mohammad	Biotechnology, Agronomy, Society and Environment	Impact of organic amendments on soil carbon sequestration, water use efficiency and yield of irrigated wheat	21(1): 1-14	2017	0.487
42	Khan, F.U., F. Muhammad, Raziuddin, Z. Shah, M. Ahmad and Z. Shah	Journal of Animal and Plant Sciences	Genotypic differences and genotype x nitrogen interactions for yield traits in bread wheat	27(4). 1264-1268	2017	0.381
43	Ahmad, W., F. Khan, Z. Shah and M.J. Khan	Pedosphere	Changes in quality and yield potential of moderately degraded Alfisol with types and levels of nutrient input and legumes in crop rotation	DOI: 10.1016/S1002-0160(17)60364-3	2017	1.734
44	Adnan, M., Z. Shah et al	Scientific Reports (Nature)	Phosphate-Solubilizing Bacteria Nullify the Antagonistic Effect of Soil Calcification on Bioavailability of Phosphorus in Alkaline Soils	In press	2017	4.30
45	Shah., Z., S. G. Afridi, S. Z. Shah, Farhatullah et al	Pakistan Journal of Botany	Algal removal of heavy metals, ammonium-N and phosphorus from contaminated water	Accepted (12-896)		
46	Shah, Z., S. G. Afridi, S. Z. Shah, Farhatullah et al	Pakistan Journal of Botany	Evaluation of industrial wastewaters for algal species, heavy metals, ammonium and phosphorus	Accepted (13-397)		

B. List of Publication in Journals having No Impact Factors (IF)

S.#	Authors	Name of Journal	Category	Vol. and Page No	Title	Year
1	Bhatti, A.U., J.K. Khattak and Z. Shah	Pakistan Journal of Soil Science	Y	4: 33-36	Studies on the effect of trace elements (Zn, Cu, Fe, Mn) on the yield of maize	1986
2	Bhatti, A.U., J.K. Khattak, Z. Shah and A. Ghani	Pakistan Journal of Agriculture Research	Y	9: 151-154	Effect of trace element cations on yield of maize	1988
3	Shah, Z	Sarhad Journal of Agriculture	X	7: 675-680	Inhibitory effect of N-serve on nitrification in different soils	1991
4	Shah, Z. and W.A. Adams	Sarhad Journal of Agriculture	X	9: 345-348	The fungus flora of an acidic upland soil as influenced by liming	1993
5	Shah, Z. , J.K. Khattak and R. Ali	Sarhad Journal of Agriculture	X	9: 435-445	Fate of fertilizer nitrogen in soil-plant system and its influence on yield of maize crop	1993
6	Shah, Z. , S.H. Shah, D.F. Herridge, M.B. Peoples, M. Aslam, S. Ali, and M.T. Jan	Journal of Agriculture University of Wales Aberystwyth, U.K.	Foreign	75: 89-98	Pakistan's Agriculture- cereal and legume production	1995
7	Shah, Z. and Salimullah	Sarhad Journal of Agriculture	X	11: 97-104	Microbial activity of soil as influenced by a fungicide	1995
8	Shah, Z. and W.A. Adams	Sarhad Journal of Agriculture	X	11: 105-113	Aspects of nitrification in an acidic upland soil	1995
9	Shah, Z	Pakistan Journal of Soil Science	Y	12: 151-155	The crop and nitrogen yields of wheat as influenced by single and split fertilizer N application	1996
10	Shah, Z. , W. Mohammad and M. Afzal	Sarhad Journal of Agriculture	X	13: 383-390	Transformation of ammonium as influenced by nitrification inhibitor under field conditions	1997
11	Shah, Z. , W. Mohammad and M. Afzal	Scientific Khyber	-	10: 1-12	Yield and nitrogen content of wheat as influenced by nitrification inhibitor	1997
12	Malik, A., F. Sahi, Z. Shah , and S.A. Rizvi	Scientific Khyber	-	11: 31-40	Growth of wheat as influenced by phosphorus fertilization	1997
13	Shah, Z	Sarhad Journal of Agriculture	X	14: 147-152	Enhancing efficiency of nitrogen fertilizer through nitrapyrin Vs split application on wheat crop	1998
14	Shah, Z. , and A. Faheem	Sarhad Journal of Agriculture	X	16: 69-75	Evaluation of indigenous plant materials for nitrification inhibition property in soils	2000
15	Shah, Z. , Razaullah, S.H. Shah, D.F. Herridge, and M.B. Peoples	Sarhad Journal of Agriculture	X	16: 179-187	Does lentil (<i>Lens culinaris</i>) in the Swat R. Valley needs rhizobial inoculation?	2000
16	Shah, Z. , S. Ishrat,	Sarhad Journal of	X	16: 319-	Are pesticides friendly to	2000

	and R Ali	Agriculture		328	soil microbes?	
17	Jan, M.R., Z. Shah , J. Shah, and S. Ishrat	American Laboratory	Foreign	33: 24-25	Effect of pesticides on soil microorganisms	2001
18	Shah, Z. , Riazullah, and T. Hussain	Pakistan Journal of Soil Science	Y	21: 20-26	Can crop residues and glucose carbon stimulate denitrification and N mineralization in soil under submerged condition?	2002
19	Shah, Z. , and A.A. Khan	Sarhad Journal of Agriculture	X	19: 81-92	Evaluation of crop residues for potentially available nitrogen in soils	2003
20	Shah, Z. , A.A. Khan, and M. Afzal	Sarhad Journal of Agriculture	X	19: 211-220	Microbial activity as influenced by various crop residues in soils	2003
21	Shah, Z. , and D. Muhammad	Sarhad Journal of Agriculture	X	19: 391-399	Potential for denitrification in irrigated rice fields of Swat and Peshawar Valley	2003
22	Mohammad, W., Z. Shah , S.M. Shah, and M.M. Iqbal	Pakistan Journal of Soil Science	Y	22: 11-18	Wheat yield, fertilizer N utilization and water use efficiency as influenced by tillage and P levels under rain-fed conditions	2003
23	Mohammad, W., Z. Shah , S.M. Shah, and M.M. Iqbal	Pakistan Journal of Soil Science	Y	22: 19-27	Rotational benefits of legumes to subsequent rain-fed wheat in a low N soil	2003
24	Shah, Z. , and Riazullah	Pakistan Journal of Soil Science	Y	22: 33-41	Assessment of farm wastes for nitrogen, phosphorus and potassium	2003
25	Shah, Z. , and Riazullah	Pakistan Journal of Soil Science	Y	22: 42-50	Evaluation of farm wastes for heavy metals	2003
26	Shah, Z. , and M. Anwar	Pakistan Journal of Soil Science	Y	22: 1-10	Assessment of municipal solid wastes for nutrient elements and heavy toxic metals	2003
27	Shah, Z. , R. U. Rahman	Sarhad Journal of Agriculture	X	20: 113-123	Evaluation of pulse legumes for yield, N ₂ fixation and their influence on soil organic fertility	2004
28	Shah, Z. , W. Mohammad, S.M. Shah, and M.M. Iqbal	Sarhad Journal of Agriculture	X	20: 243-249	Yields and N ₂ fixation of lentil and chickpea as influenced by tillage and P levels under rain-fed conditions	2004
29	Habib, G., G. Jabbar, M.M. Siddiqui, and Z. Shah	Pakistan Veterinary Journal	Y	24: 18-22	Paralytic disorder associated with phosphorus deficiency in buffaloes	2004
30	Basir, A., K. Zada, and Z. Shah	Sarhad Journal of Agriculture	X	21: 11-19	Effect of phosphorus and farm yard manure on nitrogen nutrition and grain yield of chickpea	2005
31	Tariq, M., K.M. Kakar, and Z. Shah	Soil and Environment	Y	24: 103-108	Effect of B-Zn interaction on wheat (<i>Triticum aestivum</i> L.) in calcareous soil of Peshawar valley	2005
32	Shah, Z. , Ghazala	Soil and Environment	Y	24: 138-	Quantitative and qualitative	2005

	Yasmin, and M. Tariq			144	assessment of solid wastes at agro-based industries in the North Frontier Province, Pakistan	
33	Shah, Z. , Shabana Roshan, A.U. Bhatti and M. Afzal	Soil and Environment	Y	24: 63-68	Chemical composition of municipal solid wastes of Peshawar city	2005
34	Tariq, M., M. Ali and Z. Shah	Soil and Environment	Y	25: 64-69	Characteristics of industrial effluents and their possible impacts on quality of underground water of Hayatabad industrial estate, Peshawar	2006
35	Akbar, H., M.T. Jan, A.U. Jan, Z. Shah and M. Idrees	Journal of Agricultural and Biological Science	-	1: 22-29	Barseem (<i>Trifolium alexandrum</i> L.) and shaftal (<i>T. resupinatum</i> L.) after various cuts, biomass incorporation at final harvestof maize	2006
36	Akbar, H., M.T. Jan, A.U. Jan, Z. Shah and J. Bakht	Sarhad Journal of Agriculture	X	22: 591-600	Impact of clover's biomass incorporation on the physico-chemical analysis properties of soil for succeeding crop	2006
37	Shah, Z. , and M. Ishaq	Journal of Agricultural and Biological Science	-	1: 60-64	Effect of integrated use of farm yard manure and urea on yield and nitrogen uptake of wheat	2006
38	Shah, Z. , Shabana Roshan, Z. Shah and M. Tariq	Sarhad Journal of Agriculture	X	23: 681-688	Nitrogen mineralization of municipal solid wastes during laboratory incubation	2007
39	Shah, Z. , Zahid Shah, M. Tariq, and M. Afzal	Sarhad Journal of Agriculture	X	23: 667-673	Response of maize to integrated use of compost and urea fertilizers	2007
40	Amanullah, M. Asif, Z. Shah , and M. Hassan	Annals of Agrarian Science	Foreign	5: 13-17	Potassium influence on the yield of maize in North-West Pakistan	2007
41	Taiq, M., M. Sharif, Z. Shah and R. Khan	Pakistan Journal of Biological Sciences	-	10: 1823-28	Effect of foliar application of micronutrients on the yield and quality of sweet orange (<i>Citrus sinensis</i> L.)	2007
42	Shah, Z. and K. Shahzad	Soil and Environment	Y	27: 123-130	Micronutrients status of apple orchards in Swat Valley of North West Frontier Province of Pakistan	2008
43	Muhammad, W., Z. Shah , S.M. Shah, and S. Shehzadi	Soil and Environment	Y	27: 148-154	Response of irrigated and N-fertilized wheat yield to legume-cereal and cereal-cereal rotation	2008
44	Tariq, M., Z. Shah and A. Ali	Soil and Environment	Y	27: 223-227	Micronutrients status of plum orchards in Peshawar valley	2008
45	Amanullah, Z. Shah and H. Rahman	Archives of Agronomy and Soil Science	Foreign	54: 401-411	Plant density and nitrogen effects on growth dynamics,	2008

					light interception and yield of maize	
46	Basir, A., Z. Shah, M. Naeem and J. Bakht	Sarhad Journal of Agriculture	X	24(4): 567-572	Effect of phosphorus and farm yard manure on agronomic traits of chickpea	2008
47	Shah, Z., S. R. Ahmad, H. Rahman, A. Latif and A. Shah	Sarhad Journal of Agriculture	X	27(1): 73-84	Rice and wheat yields in relation to biomass of green manure legumes	2011
48	Gul, H., R.A. Khattak, D. Muhammad and Z. Shah	Sarhad Journal of Agriculture	X	27(2): 225-232	Physical properties of soils under sub-surface drainage system	2011
49	Shah, S.A., and Z. Shah	Sarhad Journal of Agriculture	X	27(2): 233-244	Changes in Soil Microbial Characteristics with Elevated Salinity	2011
50	Khan, F., K. Ejaz, M. Ramzan, Z. Shah, Naveedullah, M. Sharif, M. Afzal and M.J. Khan	Sarhad Journal of Agriculture	X	28(4): 571-578	Extent of nutrient deficiencies and degradation of selected soil properties in water eroded soils of district Muzaffarabad (AJK), Pakistan	2012
51	W. Ahmad, F. Khan, Z. Shah, M.J. and K. A. Shah	Journal of the Saudi Society of Agricultural Sciences	Foreign	13(2): 92-99	Recovery of organic fertility in degraded soil through fertilization and crop rotation	2013
52	Khan, F., Z. Hayat, W. Ahmad, ... M. Sharif, I.A. Mian and M. Hanif	Soil and Environment	X	32(1): 22-28	Effect of slope position on physico-chemical properties of eroded soil	2013
53	Noor, Y, Subhanullah and Z. Shah	Sarhad Journal of Agriculture	Y	29(3): 387-394	Spatial variability of micronutrients in citrus orchard of North Western Pakistan	2013
54	Khan, M. A., Z. Shah and T. Shah	Sarhad Journal of Agriculture	Y	29(3): 371-378	Effect of urease and nitrification inhibitors on wheat yield	2013
55	Rahman, I., N. Ali, A. Rab and Z. Shah	Sarhad Journal of Agriculture	Y	29(3): 379-386	Role of pre storage seed priming in controlling seed deterioration during storage	2013
56	Khan, S., S.K. Khalil, Amanullah and Z. Shah	Asian Journal of Agriculture and Biology	-	1(3): 141-148	Crop stand and phenology of wheat as affected by integrated use of organic and inorganic fertilizers	2013
57	Samiullah, Z. Shah, M. Tariq, T. Shah A. Latif and A. Shah	Sarhad Journal of Agriculture	Y	29(4): 485-493	Micronutrients status of peach orchards in Swat	2013
58	Ahmad, W., Z. Shah, F. Khan, A. Ali and W. Malik	Soil and Environment	X	32(2): 121-129	Maize yield and soil properties as influenced by integrated use of organic, inorganic and bio-fertilizers in a low fertility soil	2013
59	Amanullah, A.Z. Khan, A. Jan, Z. Shah, B. Ahmad, S.K. Khalil, A. Ali, Hidayatullah, F.	Soil and Environment	X	32(2): 135-140	Foliar application of nitrogen at different growth stages influences the phenology, growth and yield of maize (<i>Zea mays</i> L.)	2013

	Ahmad and A. Nawaz					
60	Naseem Khan, Z. Shah, N. Ahmad, S.A. Ahmad, N. Mehmood & M. Junaid	Pure and Applied Biology	X	2(2): 42-47	Effect of integrated use of biochar, FYM and nitrogen fertilizer on soil organic fertility	2013
	Adnan, M., Z. Shah, A. Khan, M. Shah, G.A. Khan....K. Zaib	Am. J. Plant Sci.	Foreign	5: 2066-2073	Integrated effects of rhizobial inoculums and inorganic fertilizers on wheat yield and yield components	2013
61	Shah, Z., Y. Noor, T. Shah, A. Latif and A. Shah	Sarhad Journal of Agriculture	Y	30(1): 15-25	Changes in soil microbial attributes with soil characteristics and parent materials	2014
62	Muhammad, H., A. Zaman, S. K. Khalil and Z. Shah	Sarhad Journal of Agriculture	Y	30(1): 7-13	Effect of beneficial microbes (BM) on the efficiency of organic and inorganic N fertilizer on wheat crop	2014
63	Samad, A., M.J. Khan, Z. Shah and M.T. Jan	Sarhad Journal of Agriculture	Y	30(1): 27-34	Determination of optimal duration and concentration of zinc and phosphorus for priming wheat seed	2014
64	Amin, M., M.J. Khan, M.T. Jan, M.U. Rehman, J.A. Tariq, M. Hanif and Z. Shah	Soil and Environment	X	33(1): 33-37	Effect of different tillage practices on soil physical properties under wheat in semi-arid environment	2014
65	Shehzadi, S., Z. Shah and W. Mohammad	Soil and Environment	X	33(2): 88-95	Residual effect of organic wastes and chemical fertilizers on wheat yield under wheat-maize cropping sequence	2014
66	Amanullah, I.M. Kakar, I. Khan, Z. Shah and Z. Hussain	Soil and Environment	X	33(2): 116-123	Growth and yield response of maize (<i>Zea mays</i> L.) to foliar NPK fertilizers under moisture stress conditions	2014
67	Zahoor, W. Ahmad, K. Hira, Bashir ullah, A. Khan, Z. Shah, F. A. Khan, R. M. Muazzam Naz	International Journal of Agriculture and Forestry	Foreign	4(3): 201-206	Role of nitrogen fertilizer in crop productivity and environmental pollution. 2014,	2014
68	Abdus Salam, Zahir Shah, Khitab Ullah, Imran Khan, Faiz Ali Khan, Naseer Ahmad and Kamran Khan	IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS) www.iosrjournals.org	Foreign	7(3) 62-72	Effect of pH and Temperature on the Efficiency of Indigenous Algae to Remove Contaminants from Artificial Wastewaters	2014
69	Arbab Ali, Zahir Shah, Altaf Hussain, Izhar Shafi, Nasrullah, Murtaza Ali and Aqleem Abbas	Journal of Biodiversity and Environmental Sciences (JBES)	Foreign	6(5): 358-366	Removal of heavy metals (Cr, Cd, Ni and Pb) using fresh water algae (<i>Utricularia tenuissima</i> , <i>Utricularia tenuis</i> & <i>Zygonium ericetorum</i>) from contaminated water	2015

70	M. Adnan, Z. Shah, N. Saleem..... & S.R. Shah	Pure and Applied Biology	X	5(1): 127-133	Isolation and evaluation of summer legume Rhizobia as PGPR	2016
71	Amanullah Jan, Inamullah, Z. Shah and S.K. Khalil	Journal of Plant Stress Physiology	Foreign	2: 1-8	Phosphorus and zinc interaction influence leaf area index in fine vs. course rice (<i>Oryza sativa</i> L.) genotype in northwest Pakistan	2016
72	N. Khan, Z. Shah, M. Adnan, L. Ullah, A. Khaliq, W. A. Khan and A. Alam	Advances in Environmental Biology	X	10(7): 141-147	Evaluation Of Soil For Important Properties And Chromium Concentration In The Basin Of Chromite Hills In Lower Malakand	2016
73	M. Adnan, Z. Shah, H. Ullah, B. Khan, M. Arshad, I. A. Mian, G. A. Khan, M. Alam, A. Basir, I.U. Rahman, M. Ali and W. U. Khan	Pure and Applied Biology	X	http://dx.doi.org/10.19045/bs.pab.2016.50109	Yield response of wheat to nitrogen and potassium fertilization	2016
74	Khan, N., Z. Shah, M. Adnan, M. Saeed, S. Fahad, M. Ali, M. Zahoor, A. Ali, W.A. Khan, M. Arshad, A. Alam and W.A. Khan	American-Eurasian J. Agric & Environ, Sci.	Foreign	16(6): 1172-75	Assessment of plants for chromium concentration in the Basin of chromites hills in Lower Malakand	2016
75	Shah, S.T., F. Ghafoor, N. Khan, M. Sajid, N. Amin, Z. Shah, S. Bibi, T. Ahmad and F. Haq	Pakistan Journal of Weed Science Research	X	22(3): 463-470	Organic fertilizers affect the growth attributes of weeds and swiss chard	2016
76	Shah, Z., S. Ali, T. Shah and Amanullah	Soil and Environment	X	35(2): 194-206	Recovering soil health of eroded lands through fertilizers and crop rotation	2016
77	Tasneem Shah, Sara and Zahir Shah	Soil and Environment	X	36(1): 77-83	Soil respiration, pH and EC as influenced by biochar	2017
78	Rawan, S., F. Bibi, N. Khan, A.M. Khattak, Z. Shah, A. Iqbal, M. Alamzeb, S. Haq, A. Kamal, F.A. Shah, A. Naeem and W. Ali	Pakistan Journal of Agricultural Research		30(2): 155-161	Postharvest life of guava (<i>Psidium guajava</i> L.) varieties as affected by storage intervals at room temperature.	2017
79	Khan, I., Z. Shah, W. Ahmad, F. Khan and M. Sharif	Sarhad Journal of Agriculture	X	34: 144-157	Integrated nutrient and tillage management improve organic matter, micronutrient content and physical properties of alkaline Calcareous Soil Cultivated with Wheat	2018

C. List of Publication in Proceedings (Refereed)

1. **Shah, Z.**, C.D.V. Haven and W.A. Adams. **1987**. Short and long term effect of liming an organic upland pasture soil on the size and activity of microbial population. Welsh Soils Discussion Group Report No.29 (U.K.), October, 1987, p 143-154. **[Foreign]**
2. Herridge, D.F., H. Marcellos, W. Felton, G.D. Schwenke, M. Aslam, S. Ali, **Z. Shah**, S.H. Shah, S. Maskeys, S. Bhattari, M.B. Peoples and G. Turner. **1994**. Management of legume N₂-fixation for rainfed cereal production in Pakistan, Nepal and Australia. ACIAR Food Legume Newsletter 21: 4-5. **[Foreign]**
3. Herridge, D.F., H. Marcellos, W. Felton, G.D. Schwenke, M. Aslam, S. Ali, **Z. Shah**, S.H. Shah, S. Maskeys, S. Bhattari, M.B. Peoples and G. Turner. **1995**. Management of legume N₂-fixation in cereal systems- a research program for the rain-fed areas of Pakistan, Nepal and Australia. *In Proc: IAEA/FAO International Symposium on Nuclear Techniques in Soil-Plant Studies for Sustainable Agriculture and Environmental Preservation*. Vienna, Austria, 17-21 October 1994. IAEA-SM-334: 237-250. **[Foreign]**
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5. Abbasi, M.K., **Z. Shah**, and W.A. Adams. **1997**. Concurrent nitrification and denitrification in compacted grassland soil. In: *Gaseous Nitrogen Emissions from Grasslands* (eds S.C. Jarvis and B.F. Pain) p 47-54, CAB International Publication. **[Foreign]**
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8. Zahid, M.A., R.A. Mann, and **Z. Shah**. **1997**. Overview and prospects for enhancing residual benefits of legumes in rice-wheat cropping system (RWCS) in Pakistan. In: *Residual Effects of Legumes in Rice and Wheat Cropping Systems (RWCS) of the Indo-Gangetic Plain* (Eds. J.V.D.K. Kumar Rao, C. Johansen, & T.J. Rego) p 190-206. ICRISAT Asia Center, Patancheru 502 324, Andra Pradesh, India. **[Foreign]**
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