

Significant Publications: Total impact factor on research gate is > 135

1. **Amanullah**, H. Rahman, Z. Shah and P. Shah. **2008**. Effects of plant density and N on growth dynamics, light interception and yield of maize. Archives of Agronomy and Soil Science. 54(4): 401-411.
2. **Amanullah**, R. A. Khattak and S. K. Khalil. **2009**. Effects of plant density and N on phenology and yield of maize. Journal of Plant Nutrition. 32(2): 246-260.
3. **Amanullah** and Muhammad Asif. **2009**. Effects of P-fertilizer source and plant density on growth and yield of maize in Northwestern Pakistan. Journal of Plant Nutrition. 32(12): 2080-2093.
4. Amanullah, P. Shah and K.B. Marwat. **2009**. Nitrogen levels and its time of application influence leaf area, height and biomass of maize planted at low and high density. Pak. J. Botany. 41(2): 761-768.
5. **Amanullah** and P. Shah. **2010**. Timing and rate of nitrogen application influence grain quality and yield in maize planted at high and low densities. J. Sci. Food & Agric. 15(1): 21-29.
6. **Amanullah**, L.K. Almas and P. Shah. **2010**. Timing and rate of nitrogen application influence profitability of maize planted at low and high densities in Northwest Pakistan. Agronomy Journal: 102(2): 575-579.
7. **Amanullah** and Mir Wali. **2010**. Interactive effects of potassium and phosphorus application on phenology and grain yield of sunflower in Northwest Pakistan. Pedosphere. 20: 674-680.
8. **Amanullah**, M. Zakirullah, and S.K. Khalil. **2010**. Timing and rate of phosphorus application influence maize phenology, yield and profitability in Northwest Pakistan. Int. J. Plant Production. 4(4): 281-292.
9. **Amanullah** and A. Khan. **2010**. Performance of wheat cultivars sown at different seeding rates under moisture stress conditions. Archives of Agronomy and Soil Science. 56(1): 99-105.
10. **Amanullah** and P. Shah. **2011**. Nitrogen rates and its time of application influence dry matter partitioning and grain yield in maize planted at low and high densities. Journal of Plant Nutrition. 34: 224-242.
11. **Amanullah** and Hassan. **2011**. Phenology and seed quality response of rape (*B. napus*) versus mustard (*B. juncea*) to sulfur and potassium fertilization in northwest Pakistan. Journal of Plant Nutrition. 34: 1175-1185.
12. **Amanullah**, M. Hassan, S.S. Malhi. **2011**. Seed yield and yield components response of rape (*B. napus*) versus mustard (*B. juncea*) to sulfur and potassium fertilizer application in Northwest Pakistan. J. Plant Nutr. 34: 1164-1174.
13. **Amanullah** and Mir Wali Khan. **2011**. Interactive effect of potassium and phosphorus on grain quality and profitability of sunflower in Northwest Pakistan. Pedosphere. 21: 532-538.
14. **Amanullah** and M. Asim. **2011**. Evaluation of common bean germplasm collected from the neglected pockets of Northwest Pakistan at Kalam (Swat). Pakistan J. Botany. 43(1): 213-219.
15. **Amanullah** and Shitab Khan. **2011**. Performance of high yielding wheat and barley cultivars under moisture stress. Pak. J. of Botany 43(4): 2143-2145.
16. **Amanullah**, M. Asif and L.K. Almas. **2012**. Agronomic efficiency and profitability of P-fertilizers applied at different planting densities of maize in Northwest Pakistan. Journal of Plant Nutrition. 35: 331-341.
17. Hidayatullah, **Amanullah**, A. Jan and Z. Shah. **2013**. Residual effect of organic nitrogen sources applied to rice on the subsequent wheat crop. International Journal of Agronomy and Plant Production. 4: 620-631.
18. **Amanullah** and B.A. Stewart. **2013**. Dry matter partitioning, growth analysis and water use efficiency response of oats (*Avena sativa* L.) to excessive nitrogen and phosphorus application. J. Agr. Sci. Technology. 15: 479-489.

19. **Amanullah** and B.A. Stewart. **2013**. Shoot: root differs in warm season C₄-cereals when grown alone in pure and mixed stands under low and high water levels. Pak. J. of Botany 45(Special Issue): 83-90.
20. **Amanullah**, Hidayatullah, Amanullah Jan, and B.A. Stewart. **2013**. Growth dynamics and leaf characteristics in oats (*Avena sativa* L.) differ at excessive nitrogen and phosphorus application. Pakistan. J. Bot. 45(3): 853-863.
21. **Amanullah**. **2014**. Source and rate of nitrogen application influence agronomic N-use efficiency and harvest index in maize (*Zea mays* L.) genotypes. Maydica. 59: 80-89.
22. **Amanullah**. **2014**. Wheat and rye differ in dry matter partitioning, shoot-root ratio and water use efficiency under organic and inorganic soils. Journal of Plant Nutrition. 37:1885–1897.
23. **Amanullah**. **2014**. Crop growth rate differs in warm season C₄-grasses grown in pure and mixed stands. African J of Biotechnology. 13(30): 3036-3051.
24. **Amanullah**. **2014**. Effects of variable nitrogen source and rate on leaf area index and total dry matter accumulation in maize (*Zea mays* L.) genotypes under calcareous soils. Turkish Journal of Field Crops. 19(2): 276-284.
25. **Amanullah**, B.A. Stewart and Hidayatullah. **2015**. Cool season C₃-grasses (Wheat, Rye, Barley, and Oats) differ in shoot: root ratio when applied with different NPK sources. Journal of Plant Nutrition. 38: 189–201.
26. **Amanullah** and B.A. Stewart. **2015**. Analysis of growth response of cool season cereals “wheat vs. rye” grown in organic and inorganic soils. Emirates J. Food & Agric. 27(5): 430-440.
27. **Amanullah**, I. Khan, A. Jan, M.T. Jan, S.K. Khalil, Z. Shah and M. Afzal. **2015**. Compost and nitrogen management influence productivity of spring maize (*Zea mays* L.) under deep and conventional tillage systems in Semi-arid regions. Comm. Soil Sci. Plant Analysis. 46 (12):1566-1578.
28. **Amanullah**. **2015**. Specific leaf area and specific leaf weight in small grain crops “Wheat, Rye, Barley, and Oats” differ at various growth stages and NPK Source. Journal of Plant Nutrition. DOI: 10.1080/01904167.2015.1017051.
29. **Amanullah** and Adil Khan. **2015**. Phosphorus and Compost Management Influence Maize (*Zea mays*) productivity Under Semiarid Condition with and without Phosphate Solubilizing Bacteria. Frontiers in Plant Science (Plant Biotic Interactions). 6: 1083 (open access).
30. **Amanullah**, S. Khan and A. Muhammad. **2015**. Beneficial microbes and phosphorus management influence dry matter partitioning and accumulation in wheat (*Triticum aestivum* L.) with and without moisture stress condition. J Microb Biochem Technol 7: 410-416. doi:10.4172/1948-5948.1000247.
31. **Amanullah**, and S. Khalid. **2015**. Phenology, growth and biomass yield response of maize (*Zea mays* L.) to integrated use of animal manures and phosphorus application with and without phosphate solubilizing bacteria. J Microb. Biochem. Technol. 7: 439-444. doi:10.4172/1948-5948.1000251.
32. **Amanullah**. **2015**. Competition among warm season C₄-cereals influence WUE and competition ratios. Cogent Food & Agri. 1: 1011466 (<http://dx.doi.org/10.1080/23311932.2015.1011466>).
33. **Amanullah Khan**, Lal K. Almas, and Muhammad I. Al-Noaim. **2015**. Nitrogen Rates and Sources Affect Yield and Profitability of Maize in Pakistan. Crop, Forage & Turfgrass Management (American Society of Agronomy). 1 (6 pages). doi:10.2134/cftm2014.0021.
34. **Amanullah** and M. Hassan Khan. **2015**. Difference in dry matter accumulation with variable rates of sulphur and potassium application under calcareous soils in Brassica napus vs. B. juncea. Journal of Oilseed Brassica. 6 (2): 241-248.
35. **Amanullah**, I. Alam, Hidayatullah, I. Khan, M. Kumar, and A. Shah. **2015**. Foliar nitrogen management for improving growth and yield of dryland wheat. Cercetări Agronomice în Moldova. 48(3): 23-31.

36. **Amanullah** and Inamullah. **2015**. Preceding rice genotypes, residual phosphorus and zinc influence harvest index and biomass yield of subsequent wheat crop under rice-wheat system. *Pakistan J. Botany*. 47(SI): 265-273.
37. **Amanullah** and Inamullah. **2016**. Dry matter partitioning and harvest index differ in rice genotypes with variable rates of phosphorus and zinc nutrition. *Rice Science*. 23(2): 78-87.
38. **Amanullah**, Majidullah and Asim Muhammad. **2016**. Effect of tillage and phosphorus interaction on yield of mungbean (*Vigna radiata* L., Wilczek) with and without moisture stress condition. *PONTE*. 72(2): 114-139.
39. **Amanullah** and Inamullah. **2016**. Residual phosphorus and zinc influence wheat productivity under rice–wheat cropping system. *SpringerPlus*.5:255 (DOI 10.1186/s40064-016-1907-0).
40. **Amanullah Khan**. **2016**. Maize (*Zea mays* L.) genotypes differ in phenology, seed weight and quality (protein and oil contents) when applied with variable rates and source of nitrogen. *J. Plant Biochem Physiol*. 4: 164 (doi:10.4172/2329-9029.1000164).
41. **Amanullah**. **2016**. Rate and timing of nitrogen application influence partial factor productivity and agronomic NUE of maize (*Zea mays* L.) planted at low and high densities on calcareous soil in northwest Pakistan, *Journal of Plant Nutrition*. 39 (5): 683-690.
42. **Amanullah**, F. Khan, H. Muhammad, A.U. Jan and G. Ali. **2016**. Land equivalent ratio, growth, yield and yield components response of mono-cropped vs. inter-cropped common bean and maize with and without compost application. *Agric. Biol. J. N. Am*. 7(2): 40-49.
43. **Amanullah**, A. Zahid, A. Iqbal and Ikramullah. **2016**. Phosphorus and tillage management for maize under irrigated and dryland conditions. *Annals of Plant Sciences* 5(3): 1304-1311.
44. **Amanullah**, Inamullah, Z. Shah, and S.K. Khalil. **2016**. Phosphorus and zinc interaction influence leaf area index in fine versus coarse rice (*Oryza sativa* L.) genotypes in Northwest Pakistan. *J. Plant Stress Physiol*. 2: 1-8.
45. **Amanullah**, A. Iqbal, Irfanullah and Z. Hidayat. **2016**. Potassium management for improving growth and grain yield of maize (*Zea mays* L.) under moisture stress condition. *Scientific Reports*. 6: 34627 (DOI: 10.1038/srep34627).
46. **Amanullah**, S. Tamraiz and A. Iqbal. **2016**. Growth and productivity response of hybrid rice to application of animal manures, plant residues and phosphorus. *Frontiers in Plant Sciences*. 7:1440 (DOI: 10.3389/fpls.2016.01440).
47. **Amanullah** and Hidayatullah. **2016**. Influence of organic and inorganic nitrogen on grain yield and yield components of hybrid rice in Northwestern Pakistan. *Rice Science*. 23(6): 326-333.
48. **Amanullah**, Amir Saleem, Asif Iqbal, and Shah Fahad. **2016**. Foliar Phosphorus and zinc Application Improve Growth and Productivity of Maize (*Zea mays* L.) Under Moisture Stress conditions in Semi-Arid Climates. *J Microb Biochem Technol* 8:433-439. DOI: 10.4172/1948-5948.1000321.
49. **Amanullah**, A. Iqbal, A. Ali, S. Fahad and B. Parmar. **2016**. Nitrogen source and rate management improve maize productivity of smallholders under semiarid climates. *Front. Plant Sci*. DOI: 10.3389/fpls.2016.01773.
50. **Amanullah**, S. Khan and S. Fahad. **2017**. Phosphorous and beneficial microorganism influence yield and yield components of wheat under full and limited irrigated conditions. *J. Plant Nutr*. 40 (2): 258-267.
51. **Amanullah**. **2017**. Effects of NPK source on the dry matter partitioning in cool season C₃-cereals “wheat, rye, barley, and oats” at various growth stages. *J. Plant Nutr*. DOI: 10.1080/01904167.2016.1240195.