

Dr. Muhammad Zahir Afridi

List of Publications:

1. Afridi M.Z., Bilal, W. Iqbal, F. Munsif, M.U. Rehman, M. Musa and M.A. Saleem, (2023). Application of organic and inorganic amendments: a strategy for improving wheat productivity. Journal of Xi'an Shiyu University, Natural Science Edition. <http://xisdxjxsu.asia>. 19(05): 982-989. ISSN: 1673-064X. (IF = 0.97)
2. Owais M., M.Z. Afridi, W. Iqbal, M.A. Saleem, E. Noor, M. Salman, Saifullah, S.J. Khan, M. Kalim, (2023). Vigor and viability of maize seeds as affected by nitrogen and potassium levels. Journal of Xi'an Shiyu University, Natural Science Edition. <http://xisdxjxsu.asia>. 19(05): 524-529. ISSN: 1673-064X. (IF = 0.97)
3. Rehman M.U., **M.Z. Afridi**, S. Parajulia, A. Ullah, N. Ahmad, W. Iqbal, (2023). How rhizosphere affects microbes' population and availability of nutrients in the soil to plants; A review. Journal of Xi'an Shiyu University, Natural Science Edition. <http://xisdxjxsu.asia>. 19(04) 785-797. ISSN: 1673-064X. (IF = 0.97)
4. Rehman M.U., **M.Z. Afridi**, A. Ullah, S. Parajulia, N. Ahmad, W. Iqbal, (2023). Uncovering the hidden world beneath our feet: how soil microbes are key players in mitigating climate change; A review. <http://xisdxjxsu.asia>. 19 (04):1093-1103. ISSN: 1673-064X. (IF = 0.97)
5. Iqbal W, **M.Z. Afridi**, A. Jamal, A. Mihoub, M.F. Saeed, A. Szekely, A. Zia, M.A. Khan, A. Jarma-Orozco and M.F. Pompelli (2022). Canola seed priming and its effect on gas exchange, chlorophyll photobleaching, and enzymatic activities in response to salt stress. Sustainability (MDPI). <https://doi.org/10.3390/su14159377> (IF 3.88)
6. Munsif F., T. Shah, M. Arif, M. Jehangir, **M.Z. Afridi**, I. Ahmad, B.L. Jan, S. Alansi (2022). Combined effect of salicylic acid and potassium mitigates drought stress through the modulation of physio-biochemical attributes and key antioxidants in wheat. Saudi Journal of Biological Sciences. <https://doi.org/10.1016/j.sjbs.2022.103294> (IF 4.219)
7. Khan A, Z. Jie, D.K.Y. Tan, A. Khan, K. Akhtar, K. Xiangjun, F. Munsif, A. Iqbal, **M.Z. Afridi**, A. Ullah, S. Fahad and R. Zhou (2019). Changes in leaf structural and functional characteristics when changing planting density at different growth stages alters cotton lint yield under a new planting model. Agronomy, 9(12), 859; <https://doi.org/10.3390/agronomy9120859> (IF 2.603)
8. Munsif F., S.A. Shah, A. Khan, **Z. Afridi**, M. Arif, K. Ali, E. Ahmad, I. Ullah, F. Wei, D. Tang (2019). Nitrogen coupled with crop residues improved maize productivity and soil fertility under deep tillage. MITTEILUNGEN KLOSTERNEUBURG 69(9):13-29 www.mitt-klosterneuburg.com (IF 0.106)

9. Akhtar K., W.Y. Wang, A. Khan, G.X. Ren, **M.Z. Afridi**, Y.Z. Feng and G.H. Yang (2018). Wheat straw mulching with fertilizer nitrogen: An approach for improving soil water storage and maize crop productivity. *Plant Soil Environ.*, 64: 330–337. (IF 1.53)
10. Akhtar K., W. Wang, A. Khan, G. Rena, **M.Z. Afridi**, Y. Feng, G. Yang (2018). Wheat straw mulching off set soil moisture deficient for improving physiological and growth performance of summer sown soybean. *Agricultural Water Management*: 211:16-25 <https://doi.org/10.1016/j.agwat> (IF 3.18)
11. Khan M.R., K. Shah, M. Zahid, M.N. Khan, **M.Z. Afridi**, S. Iqbal, S.M.A. Shah, R. Ullah and S.J. Ahmad (2017). Morpho-agronomic and qualitative performance of various FCV tobacco exotic hybrids. *Pure Appl. Biol.* <http://dx.doi.org/10.19045/bspab>
12. Munsif F., Faryal, **M.Z. Afridi**, I. Ahmad, W. Ahmad, W. Malik and M. Rabnawaz (2017). Impact of crop row orientation on weed density and biomass and yield of wheat. *Pak. J. Weed Sci. Res.*, 23(3): 343-350
13. Khan A, M.Z. Afridi, M. Airf, S. Ali and I. Muhammad (2017). A Sustainable Approach toward Maize Production: Effectiveness of farm yard manure and urea N. *Annals of biological sciences*, 5(1):8-13
14. Khan A., D.K.Y. Tan, **M.Z. Afridi**, H. Luo, S.A. Tung, M. Ajab and S. Fahad (2017). Nitrogen fertility and abiotic stresses management in cotton crop: *Environ Sci Pollut Res.* DOI 10.1007/s11356-017-8920-x
15. Khan A., D.K.Y. Tan, F. Munsif, **M.Z. Afridi**, F. Shah, F. Wei, S. Fahad and R. Zhou (2017). Nitrogen nutrition in cotton and control strategies for greenhouse gas emissions: *Environ Sci Pollut Res.*; DOI 10.1007/s11356-017-0131-y
16. Khalid S., **M.Z. Afridi**, Imranuddin, Nadia, F. Nadeem, M. Aamir and Saddamullah (2017). Effect of sulfur foliar fertilization on reproductive growth and development of canola. *Inter. J. Agron. and Agri. Res.*;11(3): 61-67
17. Anjum M.M., N. Ali, M. Shafi, **M.Z. Afridi**, M.O. Iqbal and Burhan uddin (2017). Influence of varying concentrations of ammonium sulphate foliar spray on phenology and yield of canola. *Int J Environ. Sci. Nat. Res.*; 2 (2) DIO : 10.19080/IJESNR.2017.02.555584
18. Ali N., M.M. Anjum and **M.Z. Afridi** (2016). Effect of Ammonium Sulphate Foliar Spray on Grain Yield and Yield Quality of Canola. *Austin Food Sci.*; 1(6): 1026.
19. Ali N, **M.Z. Afridi**, T. Jan, F. Munsif, S. Ali and A. Saleem (2016). Assessing Yield and Yield Associated Traits of Oat Genotypes Grown under the Semi-Arid Conditions of Pakistan. *American-Eurasian J. Agric. & Environ. Sci.*, 16 (12): 1784-1789

20. Rab A., M.R. Khan, Sami-Ul-Haq, S. Zahid, M. Asim, **M.Z. Afridi**, M. Arif and F. Munsif (2016). Impact of biochar on mungbean yield and yield components. *Pure Appl. Biol.*, 5(3): 632-640
21. Anjum, **M.Z. Afridi**, K. Akhter and V.N. Ha (2015). The influence of different combination of nitrogen and phosphorus on mungbean (*Vigna radiata* L.). *Pure Appl. Biol.* 4(4):605-610
22. Akhtar K., **M.Z. Afridi**, M. Akbar, S. Zaheer and S. Faisal (2015). Planting densities and Nitrogen level impact on yield and yield component of maize. *Pure Appl. Biol.* 4(2): 217-225
23. Khan A.A., F. Munsif, **M. Z. Afridi**, M. Shoaib, Ziaullah, M.N. Khan, S. Fahad and M.R. Khan (2015). Efficacy of Miayalin G2 Suckericide on the yield of FCV tobacco. *Pure Appl. Biol.* 4(2): 181-186
24. Akhtar K., A. Khan, M.T. Jan, **M.Z. Afridi**, S. Ali and S. Zaheer (2015). Effect of humic acid and crop residue application on emergence and wheat phenology. *Pure Appl. Bio.* 4(1): 97-103
25. Khan A., F. Munsif, K. Akhtar, **M.Z. Afridi**, Zahoor, Z. Ahmad, S. Fahad, R. Ullah, F.A. Khan and M. Din (2014). Response of Fodder Maize to Various Levels of Nitrogen and Phosphorus. *American Journal of Plant Sciences* (5): 2323-2329.
26. Jan M.T., M.J. Khan, Farhatullah, M. Arif, **M.Z. Afridi**, A. Khan and H. Akber (2012). Integrated management of crop residue and N fertilizer for wheat production. *Pak. J. Bot.*, 44(6):2015-2019
27. Jan M.T., M.J. Khan, A. Khan, M. Arif, Farhatullah, D. Jan, M. Saeed and **M.Z. Afridi** (2011). Improving wheat productivity through source and timing of nitrogen fertilization. *Pak. J. Bot.*, 43(2):905-914
28. **Afridi M.Z.**, M.T. Jan, M. Arif, and A. Jan (2010). Wheat yielding components response to different levels of fertilizer-N application time and decapitation stress. *Sarhad J. Agri.* vol. 26 (4):499-506
29. Khan M.A., G. Hassan, W.A. Shah, and **M.Z. Afridi** (2002). Duration effect of weed competition on the yield and yield components of wheat. *Sarhad J. Agri.* vol. 18 (3):507-509
30. **Afridi M.Z.**, M.T. Jan, I. Ahmad, and M.A. Khan (2002). Yielding components of canola response to NPK nutrition. *Pakistan J. Argo.* vol. 1 (4):133-135
31. **Afridi M.Z.**, M.T. Jan, and A.A. Shad (2002). Some aspects NPK nutrition for improved yield and oil content of canola. *Asian J. Plant Sci.* vol. 1 (5): 507-509