

**List of Research Publications**  
**Department of Agronomy**

**List of Publications of Dr. Abdul Ghaffar, Associate Professor**

1. Shoaib, M., M.N. Khan<sup>1</sup>, N. Akhtar, M. Ayub, M.S. Ashraf, A. Ghaffar, S. Ullah. 2018. Productivity of oat (*Avena sativa* L.)-berseem (*Trifolium alexandrinum* L.) forage mixture in irrigated plain of Pakistan. Pak. J. Agri. Sci. 55(2): 303-312. <https://www.pakjas.com.pk/papers/2827.pdf>
2. Bashir, T., W. Anum, I. Ali, A. Ghaffar, L. Ali, M.U. Raza, Z. Javed, A. Zafar, N. Mahmood and A. Shabi. 2018. Allelopathic effects of perennial sow thistle (*Sonchus arvensis* L.) on germination and seedling growth of maize (*Zea mays* L.). Allelopathy Journal. 43(1): 105-116. [https://www.researchgate.net/publication/322187472\\_Allelopathic\\_effects\\_of\\_perennial\\_sow\\_thistle\\_Sonchus\\_arvensis\\_L\\_on\\_germination\\_and\\_seedling\\_growth\\_of\\_maize\\_Zea\\_mays\\_L\\_\(1.050\)](https://www.researchgate.net/publication/322187472_Allelopathic_effects_of_perennial_sow_thistle_Sonchus_arvensis_L_on_germination_and_seedling_growth_of_maize_Zea_mays_L_(1.050))
3. Muhammad, N., Z. Mehmood, I.R. Noorka, A. Ghaffar, M. Shehzad and H.M. Akram. 2017. Cost benefit ratio of selective diverse broad spectrum herbicides to combat weeds in wheat crop. Pak. J. Weed Sci. Res. 23(3): 351-360. [http://www.wssp.org.pk/weed/paper\\_details.php?id=1139](http://www.wssp.org.pk/weed/paper_details.php?id=1139)
4. Ali, M., M. Ashfaq, M. Ashfaq, M. Tariq, A. Gulzar, A. Ghaffar and M. Shahzad. 2016. Assessment of bio-control agent performance and insecticidal properties of bio-extracts against aphid (*Schizaphis graminum* R.) on wheat, (*Triticum aestivum* L.) crop. Pak. Entomol. 38(2):89-93. <http://www.pakentomol.com/cms/pages/tables/upload/file/59894aa5a7f2b38-2-03.pdf>
5. Javeed, H.M.R. A. Ghaffar, R. Qamar, A. Rehman, M.A. Wahid, F. Hassan, A. Rehman, J. Qamar, M. Hussain, H. Rehman and M. Ali. 2016. Effect of Soil Management Practices on Agronomic, Economic and Soil Thermal Attributes of Clay Loam Soil on Maize Grown in Tropical Conditions of Pakistan. Transylvanian Review. 24(11): 2837-2848. <http://transylvanianreviewjournal.org/index.php/TR/article/view/17> (0.030).
6. Ali, M., M. Ashfaq, A. Ghaffar, A. Bahtti, A. Ali<sup>1</sup> and U. Mubashar. 2016. Role of Physio-Morphic Characters of Different Genotypes of Eggplant, *Solanum melongena* L. and its Association with the Fluctuation of Jassid, *Amrasca biguttula biguttula* (Ishida) Population. Pakistan J. Zool. 48(5): 1511-1515. [http://zsp.com.pk/pdf48/1511-1515%20\(38\)%20QPJZ-0045-2015%2018-6-16%202nd%20Revised.pdf](http://zsp.com.pk/pdf48/1511-1515%20(38)%20QPJZ-0045-2015%2018-6-16%202nd%20Revised.pdf) (0.478).
7. Saqib, M., Ehsanullah, N. Akbar, M. Latif, M. Ijaz, F. Ehsan and A. Ghaffar. 2015. Development and appraisal of mechanical weed management strategies in direct seeded aerobic rice (*Oryza sativa* L.). Pak. J. Agri. Sci. 52(3): 587-593. <https://www.pakjas.com.pk/papers/2457.pdf> (1.049).
8. Rasool, K., A. Wajid, Sanaullah, A. Ghaffar, M. Shoaib, M. Arshad and S. Abbas. 2015. Optimizing nitrogen rate and planting density for sunflower under irrigated conditions of Punjab. SAARC J. Agri., 13(1):174-187. <https://www.banglajol.info/index.php/SJA/article/viewFile/24190/16513>
9. Sanaullah, M.A. Cheema, M.A. Wahid, A. Ghaffar, A. Sattar and S. Abbas. 2014. Yield response of autumn planted sunflower hybrids to zinc sulfate application. JAR 52(4): 523-533. [http://apply.jar.punjab.gov.pk/upload/1424962809\\_115\\_P6\\_4304.pdf](http://apply.jar.punjab.gov.pk/upload/1424962809_115_P6_4304.pdf)

10. Maqbool, M.M., A.U. Malik, A. Ahmad, T. Khaliq, M.A. Bhatti, A. Ghaffar and F. Hussain. 2014. Response of wheat cultivars to salt stress levels. *Int. J. Agric. Appl. Sci.* 6(1): 120-129. <https://www.researchgate.net/publication/282653077>
11. Ehsanullah, R. Qamar, M. Kalim, A. Rehman, Z. Iqbal, A. Ghaffar and G. Mustafa. 2014. Growth and economic assessment of mulches in aerobic rice (*Oryza sativa* L.). *JAR* 52(3): 395-406. [http://apply.jar.punjab.gov.pk/upload/1414250164\\_114\\_9\\_4274.pdf](http://apply.jar.punjab.gov.pk/upload/1414250164_114_9_4274.pdf)
12. Qamar, R., Ehsanullah, A. Rehman, A. Ali, A. Ghaffar, A. Mahmood, H.M.R. Javeed, and M. Aziz. 2013. Growth and economic assessment of wheat under tillage and nitrogen levels in rice-wheat system. *AJPS* 4: 2083-2091. [https://file.scirp.org/pdf/AJPS\\_2013111313212270.pdf](https://file.scirp.org/pdf/AJPS_2013111313212270.pdf)
13. Ehsanullah, S. Khan, R. Qamar, A. Ghaffar and G. Mustafa. 2013. Impact of tillage and mulch on water conservation in wheat (*Triticum aestivum* L.) under rice-wheat cropping system. *JAR* 51(3): 255-265. [http://apply.jar.punjab.gov.pk/upload/1380536067\\_106\\_five5\\_4202\\_%28ALI%29.pdf](http://apply.jar.punjab.gov.pk/upload/1380536067_106_five5_4202_%28ALI%29.pdf)
14. Muhammad, N., M. Ashiq, A. Ghaffar, A. Sattar, M. Arshad. 2012. Comparative efficacy of new herbicides for weed control in maize (*Zea mays* L.). *Pak. J. Weed Sci. Res.* 18(2): 247-254. <https://search.proquest.com/openview/5628d7e90e63f95c3613666b6fd5fad7/1?pq-origsite=gscholar&cbl=616536>
15. Ghaffar, A., Ehsanullah, N. Akbar, S.H. Khan, K. Jabran, R.Q. Hashmi, A. Iqbal and M.A. Ali. 2012. Effect of trench spacing and micronutrients on growth and yield of sugarcane (*Saccharum officinarum* L.). *AJCS* 6(1): 1-9. [http://www.cropj.com/abdul%20Ghaffar\\_6\\_1\\_2012\\_1\\_9.pdf](http://www.cropj.com/abdul%20Ghaffar_6_1_2012_1_9.pdf) (0.899)
16. Ghaffar, A., Ehsanullah, N. Akbar and S.H. Khan. 2011. Influence of zinc and iron on yield and quality of sugarcane planted under various trench spacings. *Pak. J. Agri. Sci.* 48(1): 25-33. <https://www.pakjas.com.pk/papers/1943.pdf> (1.24).
17. Ehsanullah, K. Jabran, M. Jamil and A. Ghafar. 2011. Optimizing the row spacing and seeding density to improve yield and quality of sugarcane. *Crop & Environ.* 2(1): 1-5. <https://www.researchgate.net/publication/266741691>
18. Wajid, A., A. Ghaffar, M. Maqsood, K. Hussain and W. Nasim. 2007. Yield response of maize hybrids to varying nitrogen rates. *Pak. J. Agri. Sci.* 44(2): 217-220. <https://www.pakjas.com.pk/papers/316.pdf>
19. Wajid, A., M. Maqsood, A. Hussain, K. Hussain and A. Ghaffar. 2007. Simulation modelling of growth, development and grain yield of wheat under semi arid conditions of Pakistan. *Pak. J. Agri. Sci.* 44(2): 194-199. <https://www.pakjas.com.pk/papers/311.pdf>