

LIST OF PUBLICATIONS OF DR. ZAHID HUSSAIN (by Dec 2023)

W-category Impact Factor publications (Before HJRS Implementation in July 01, 2020)

As principal author: 10

As co-author: 30

Total: 40

1. **Hussain, Z.**, K.B. Marwat, and J. Cardina. 2011. Common cocklebur competition in forage maize. *Weed Technology*, 25(1):151-158 **(IF 1.21)**
2. Gul, B., K.B. Marwat, M. Saeed and **Z. Hussain**. 2011. Impact of tillage, plant population and mulches on weed management and grain yield of maize. *Pakistan Journal of Botany*, 43(3):1603-1606 **(IF 0.91)**
3. **Hussain, Z.**, K.B. Marwat, B. Gul, M. Saeed and S. Bibi. 2012. Effect of common cocklebur density on biological yield of maize at varying populations. *Pakistan Journal of botany*, 44(5): 1627-1632 **(IF 0.87)**
4. Saeed, M., K.B. Marwat, B. Gul and **Z. Hussain**. 2012. Effect of weed density on leaf area index and biological yield of maize. *Pakistan Journal of Botany*, 44(6): 1939-1942 **(IF 0.87)**
5. M. Sajid, M.A. Khan, A. Rab, S.N.M. Shah, M. Arif, I. Jan, **Z. Hussain** and M. Mukhtiar. 2012. Impact of nitrogen and phosphorus on seed yield and yield components of okra cultivars. *The Journal of Animal & Plant Sciences*, 22(3): 704-707 **(IF 0.64)**
6. **Hussain, Z.**, K.B. Marwat, F. Munsif and A. Samad. 2013. Evaluation of various herbicides and their combinations for weed control in wheat crop. *Pakistan Journal of Botany*, 45(1): 55-59 **(IF 1.21)**
7. Khan, M.A., M. Sajid, **Z. Hussain**, K.B. Marwat and F. Munsif. 2013. How nitrogen and phosphorus influence the phenology of okra. *Pakistan Journal of Botany*, 45(2): 479-482 **(IF 1.21)**
8. **Hussain, Z.**, F. Munsif, K.B. Marwat, K. Ali, R.A. Afridi and S. Bibi. 2013. Studies on efficacy of different herbicides against weeds in potato crop. *Pakistan Journal of Botany*, 45(2): 487-491 **(IF 1.21)**
9. **Hussain, Z.**, K.B. Marwat, F. Munsif, A. Samad, S. Hashim and T. Bakht. 2013. Influence of intercropping in maize crop on weed growth and maize grain yield. *Pakistan Journal of Botany*. 45(5): 1729-1734 **(IF 1.21)**
10. Khan, M.A., K.B. Marwat, Umm-e-Kulsom, **Z. Hussain**, S. Hashim, A. Rab and K. Nawab. 2013. Weed control effects on the wheat-pea intercropping. *Pakistan Journal of Botany*, 45(5): 1743-1748 **(IF 1.21)**
11. **Hussain, Z.**, K.B. Marwat, M.A. Khan, S. Hashim and T. Bakht. 2013. How the competition of *Xanthium strumarium* L. affects the phenological characters of maize crop. *Pakistan Journal of Botany* 45(6): 1883-1887 **(IF 1.21)**
12. **Hussain, Z.**, K.B. Marwat, J. Cardina and I.A. Khan. 2014. *Xanthium strumarium* L. impact on corn yield and yield components. *Turkish Journal of Agriculture and Forestry*. 38(1): 39-46 **(IF 0.93)**
13. Bakht, T., I.A. Khan, K.B. Marwat and **Z. Hussain**. 2014. Integration of row spacing, mulching and herbicides on weed management in tomato. *Pakistan Journal of Botany* 46(2): 543-547 **(IF 0.82)**
14. Ali, K., M. Arif, F. Munsif, M.T. Jan, **Z. Hussain**, S. Munir and S. Shah. 2015. Effect of organic and inorganic nutrients sources on phenology and growth of wheat. *Pakistan Journal of Botany* 47(6): 2215-2222 **(IF 0.82)**
15. Shah, SIA, M. Rafiq, T.H. Malik, I.R. Khan, S.A.S. Shah and **Z. Hussain**. 2016. Comparison of the newly introduced rearing methods of cotton stainer, *Dysdercus koenigii* (Hemiptera: Pyrrhocoridae) with classical methods. *Pakistan Journal of Zoology* 48(3): 781-787 **(IF 0.40)**
16. Khan, M.T., I. Khan, M.I. Khan, **Z. Hussain**, S. Ayub, N. Khan, M. Shuaib and I.A. Khan. 2016. Ethnobotanical study of wild flora in the remote areas of northern Pakistan. *Wulfenia*, 23(10): 149-165 **(IF 1.31)**

17. **Hussain, Z.**, M.A. Khan, M. Ilyas, Luqman and I.A. Khan. 2016. Non-chemical weed management in potato at higher elevations. *Applied Ecology and Environmental Research*, 14(5): 67-76 **(IF 0.56)**
18. Shah, S.I.A., T.H. Malik, I.R. Khan and **Z. Hussain**. 2017. Screening of USDA Cotton Accessions against Sucking Insect Pests Complex and Cotton Leaf Curl Virus (CLCuV) Disease with Major Emphasis on Abiotic Factors. *Pakistan Journal of Zoology* 49(4): 1159-1173 **(IF 0.40)**
19. Khan, I.A., **Z. Hussain**, Z. Ullah, R. Khan and G. Hassan. 2018. Impact of various weed management approaches on the yield of chickpea *Cicer arietinum* L. crop. *Pakistan Journal of Botany*, 50(2): 635-638 **(IF 0.82)**
20. Khan, I.A., **Z. Hussain**, T. Bakht and Luqman. 2018. Plant spacing and mulching together affect the phenology and yield of tomato crop. *Journal of Animal and Plant Science*. 28(2): 546-551 **(IF 0.45)**
21. Bibi, S., I.A. Khan, **Z. Hussain**, S. Zaheer and S.M.A. Shah. 2019. Effect of herbicides and intercropping on weeds and yields of maize and the associated intercrops. *Pakistan Journal of Botany*, 51(3): 1113-1120 **(IF 0.82)**
22. Luqman, **Z. Hussain**^{1*}, M. Ilyas, I.A. Khan and T. Bakht. 2020. Influence of sowing orientation and intercropping of chillies on onion yield and its associated weeds in Peshawar, Pakistan. *Pakistan Journal of Botany*, 52(1): 95-100 **(IF 0.82)**
23. Bibi, S., I. A. Khan, **Z. Hussain**, S. Zaheer, H. Alsamadany and Y. Alzahrani. 2020. Performance of mung bean under herbicide application and intercropping with maize. *Pakistan Journal of Botany*, 52(3): 873-877 **(IF 0.82)**

Impact Factor publications After HJRS Implementation in July 01, 2020

24. Uddin, S., M. Amin, M. Ramzan, **Z. Hussain** and S. Shah. 2020. Influence of different tillage practices and herbicide application on physical properties of soil and yield of maize. *Soil and Environment*, 39(2): 231-242. **(IF 0.24, X-category)**
25. **Hussain, Z.**, Luqman, S. Hashim & K. Jabran. 2021. Integrated effect of tillage and herbicides on wheat crop. *Gesunde Pflanzen*, 73(2): 239-247 **(IF 1.1, X-category)**
26. Luqman and **Z. Hussain**. 2021. Integrated effect of soil tillage implements and weeding intervals on leaf area index and chlorophyll content of maize crop leaves. *Journal of Himalayan Earth Sciences*, 54(1): 90-100 **(IF 0.24, Y-category)**
27. Hussain, I, A. Khan, H. Akbar, **Z. Hussain**. 2021. Maize response to soil properties improved with beneficial microbes, humic acid and FYM application. *Zemdirbyste-Agriculture*, 108(4): 321-330 **(IF 1.15, X-category)**
28. Khan, A.M., I. Khan, **Z. Hussain** and M.I. Khan. 2022. Effect of tillage implements and weed management techniques on nutritive values of wheat grains. *Gesunde Pflanzen*, 74(1): 133-139 **(IF 1.1, X-category)**
29. Roeswitawati, D., **Z. Hussain**, A. Jan, M.I. Massadeh, R.H. Setyobudi, M. Muhidin and D. Hudin. 2022. Evaluation of secondary metabolites in *Saccharum officinarum* and *Mimosa invisa* Mart. as natural herbicides. *Jordan J of Biological Sciences*, 15(1): 1-6 **(IF 0.83, Indexed in Scopus)**
30. A. Nawaz, **Z. Hussain**, N. Akhtar, F. Hussain and N. Ullah. 2022. Allelopathic potential of *Soliva sessilis* Ruiz & Pav. on wheat. *Gesunde Pflanzen*, 74(2): 477-486 **(IF 1.1, X-category)**
31. Setyobudi, R.H., M.F.M. Atoum, D. Damat, E. Yandri, Y.A. Nugroho, M.S. Susanti, S.K. Wahono, W. Widodo, L. Zalizar, A. Wahyudi, E.A. Saati, M. Maftuchah, **Z. Hussain**, D. Yono, S.S. Harsono, R.K. Mahaswa, H. Susanto, P.G. Adinurani, I. Ekawati, A. Fauzi, and S. Mindarti. 2022. Evaluation of coffee pulp waste from coffee cultivation areas in Indonesia as Iron Booster. *Jordan J of Biological Sciences*, 15(3): 475-488 **(IF 0.83, Indexed in Scopus)**
32. **Hussain, Z.**, M. Ilyas, M. Ismail, Luqman, Q.S. Ali, M. Amir, J. Nisar, S. Ali, F. Khan, M. Huzaifa and N. Haq. 2022. Eco-friendly weed mangement in tomato at higher elevation. *Journal of Xi'an Shiyou University, Natural Science Edition*, 18(10): 387-403 **(IF 0.34, X-category)**

33. Asmawati, A., M. Marianah, M.F.M. Atoum, D.A. Sari, I. Iqar, **Z. Hussain**, R.H. Setyobudi and N. Nurhayati. 2022. The potential of cashew apple waste as a slimming agent. *Jordan J of Biological Sciences*, 15(5): 887-892 (**IF 0.83**, Indexed in Scopus)
34. Roewetawati, D., T. Ramzy, P.G. Adizzurani, R.H. Setyobudi, **Z. Hussain**, I. Iqar and N.N. Huu. 2023. Assessment of *Aegle marmelos* fruit extracts as organic insecticide for *Spodoptera exigua* on *Allium asculentum*. Proceedings 3rd Intl. Conf. Nat. Res. & Life Sci., E3S Web of Conferences, Vol. 374 (article:09) <http://doi.org/10.1051/e3sconf/202337400009> (Indexed in Scopus and WoS)
35. Purbajanti, E.D., D.W. Widjajanto, P.G. Adinurani, **Z. Hussain** and I. Ekawati. 2023. Production and nutrient value of elephant grass in agroforestry systems in Indonesia. Proceedings 3rd Intl. Conf. Nat. Res. & Life Sci., E3S Web of Conferences, Vol. 374 (article:11) <http://doi.org/10.1051/e3sconf/202337400011> (Indexed in Scopus and WoS)
36. Wicaksono, R.C., O. Endatto, S. Wuryantini and **Z. Hussain**. 2023. Pest control using bark pesticide applicator (BPA) in citrus plants. Proceedings 3rd Intl. Conf. Nat. Res. & Life Sci., E3S Web of Conferences, Vol. 374 (article:30) <http://doi.org/10.1051/e3sconf/202337400030> (Indexed in Scopus and WoS).
37. Khan, S., A. Khan, T. Nadeem, H. Akbar and **Z. Hussain**. 2023. Phenology, crop stand, and dry matter production of wheat in response to beneficial microbes and organic matter sources. *SABRAO Journal of Breeding and Genetics*, 55(2) 463-475.
38. Khan, I., M.I. Khan, S. Hashim, M. Fawad, A. Jamal, M.F. Seleiman, H. Khan, B. Gul, **Z. Hussain**, M.F. Saeed and A. Scavo. 2023. Managing weed–crop interactions enhances chickpea (*C. arietinum* L.) chemical components. *Plants*, 12(17): 03073.
39. Chaidir, R.R.A., B. Manguntungi, A.Z. Mustopa, I. Islam, **Z. Hussain** and I. Iqar. 2023. Antimicrobial activity and cytotoxicity of Sumbawa traditional oils (Minyak sumbawa) in Sumbawa regency, west Nusa Tenggara, Indonesia, E3S Web of Conferences, 432: article 30.
40. Wuryantini, S., O. Endarto, R.C. Wicaksono, M. Istianto, **Z. Hussain**, and U. Triasih. 2023. Bio-insecticide activity of neem oil and tobacco extract mixture against citrus aphids and green scale on citrus. E3S Web of Conferences, 432: article 36.

Non - Impact Factor publications

As principal author: 10

As co-author: 70

Total: 80

1. Marwat, K.B., **Z. Hussain**, I. A. Khan and B. Gul. 2003. Impact of weed management on rapeseed. *Pak. J. Weed Sci. Res.* 9(3-4): 209-214.
2. Marwat, K.B., B. Gul, I.A. Khan and **Z. Hussain**. 2003. Efficacy of different herbicides for controlling weeds in onion. *Pak. J. Weed Sci. Res.* 9(3-4): 225-228.
3. Marwat, K.B., M. Saeed, **Z. Hussain**, and B. Gul. 2005. Chemical weed management in wheat in rainfed areas-I. *Pak. J. Weed Sci. Res.* 11(1-2): 31-36.
4. Marwat, K.B., B. Gul, M. Saeed and **Z. Hussain**. 2005. Efficacy of different herbicides for controlling weeds in onion in higher altitudes. *Pak. J. Weed Sci. Res.* 11(1-2): 61-68.
5. Marwat, K.B., **Z. Hussain**, M. Saeed, B.Gul and Sahib Noor. 2005. Chemical weed management in wheat at higher altitudes-I. *Pak. J. Weed Sci. Res.* 11(3-4): 103-108.
6. Marwat, K.B., I. A. Khan, M.I. Khan, **Z. Hussain** and Hamayun Khan. 2005. Herbicides evaluation for weed control in chickpea. *Pak. J. Weed Sci. Res.* 11(3-4): 147-150.
7. Marwat, K.B., M. Saeed, B. Gul, **Z. Hussain** and N. I. Khan. 2005. Efficacy of different herbicides for weed management in canola in higher altitudes. *Pak. J. Weed Sci. Res.* 11(3-4): 165-170.
8. Marwat, K.B., **Z. Hussain**, B. Gul and M. Saeed. 2006. Chemical weed management in wheat Intercropped with

sugarcane. Pak. J. Weed Sci. Res. 12(3): 145-150.

9. Marwat, K.B., M. Saeed, B.Gul and **Z. Hussain**. 2006. Performance of different herbicides in wheat (*Triticum aestivum* L.) under rainfed conditions of Kohat, Pakistan. Pak. J. Weed Sci. Res. 12(3):163-168.
10. Marwat, K.B., **Z. Hussain**, B. Gul, M. Saeed and S. Din. 2006. Survey on weed problems in wheat crop in District Mardan. Pak. J. Weed Sci. Res. 12(4): 353-358.
11. Ahmad, S, I.A. Khan, **Z. Hussain**, S.I.A. Shah and Maaz Ahmad. 2007. Study of a biopesticide in comparison with some synthetic pesticides against thrips in garlic crop. Sarhad J. Agric. 23(3): 719-722.
12. Shah, S.I.A., I.A. Khan, **Z. Hussain**. M. Ahmad and S. Ahmad. 2007. Comparing the effectiveness of a biopesticide with three synthetic pesticides for aphid control in wheat. Sarhad J. Agric. 23(3): 723-728.
13. Ahmad, S., I.A. Khan, **Z. Hussain**, S.I.A. Shah and M. Ahmad. 2007. Comparative study of a biopesticide with some synthetic pesticides used against mustard aphids. Sarhad J. Agric. 23(3): 729-732.
14. Shah, S.I.A., I.A. Khan, **Z. Hussain**. M. Shah and A. Usman. 2007. Studying the performance of silkworm, *Bombyx mori* L. races fed with different mulberry varieties. Sarhad J. Agric. 23(4): 1079-1083.
15. Shah, S.I.A., I.A. Khan, **Z. Hussain**. S. Ahmad and M. Ahmad. 2007. The effect of three different mulberry varieties on performance of three different *Bombyx mori* L. races. Sarhad J. Agric. 23(4): 1085-1089.
16. Shah, S.I.A., I.A. Khan, I. Ahmad, M. Shah and **Z. Hussain**. 2007. Comparison of three silkworm races fed with three mulberry varieties. Sarhad J. Agric. 23(4): 1103-1108.
17. Ahmad, S, I.A. Khan, **Z. Hussain**, S.I.A. Shah and Maaz Ahmad. 2007. Comparison of a biopesticide with some synthetic pesticides against aphids in rapeseed crop. Sarhad J. Agric. 23(4): 1117-1120.
18. **Hussain, Z.**, K.B. Marwat, M. Saeed, B. Gul and M.R. Khalil. 2007. Survey on weed problems in wheat crop in District Chitral (higher altitude area) of NWFP-Pakistan. Pak. J. Weed Sci. Res. 13(1-2): 121-127.
19. Marwat, K.B., **Z. Hussain**, M. Saeed, B. Gul and Haroon-ur-Rashid. 2007. Study of different chemicals for weed management in two wheat varieties in Chitral. Pak. J. Weed Sci. Res. 13(3-4): 157-165.
20. Khan, I., K.B. Marwat and **Z. Hussain**. 2007. Chemical weed management in wheat at higher altitudes. *Communications in Agricultural and Applied Biological Sciences*, 72(2): 259-264.
21. Marwat, K.B., M. Saeed, **Z. Hussain**, B. Gul and H. Rashid. 2008. Study of various herbicides for weed control in wheat under irrigated conditions. Pak. J. Weed Sci. Res. 14 (1-2): 1-8.
22. **Hussain, Z.**, K.B. Marwat and S.I.A Shah. 2008. Evaluation of different herbicides for weed control in onions. Sarhad J. Agric. 24(3): 453-456.
23. **Hussain, Z.**, K.B. Marwat and S.I.A Shah. 2008. Evaluation of herbicides for weed control in wheat at varying densities. Sarhad J. Agric. 24(3): 457-460.
24. **Hussain, Z.**, F. Munsif and A. Samad. 2010. Efficacy of various herbicides for management of weed flora in citrus orchards. Pak. J. Weed Sci. Res. 16(1): 73-79.
25. Khalil, M.F., G. Hassan, **Z. Hussain**, N.H. Shah and M.M. Khan. 2010. Effect of individual and tank mixed herbicides on yield of wheat crop. Pak. J. Weed Sci. Res. 16(1): 89-96.
26. Ali, H., S. Ahmad, G. Hassan, A. Amin, **Z. Hussain** and M. Naeem. 2011. Bio-efficacy of different plant extracts against melon fruit fly in bitter gourd. Pak. J. Weed Sci. Res. 17(2): 143-149.
27. Ali, K, F. Munsif, **Z. Hussain**, I.U. Din, M. Waqas and Wagma. 2011. Effect of various tillage methods and nitrogen management on weeds and maize performance. Pak. J. Weed Sci. Res. 17(3): 253-262.
28. Khan, A., I.A. Khan, R. Khan, I. Khan, **Z. Hussain**, R. Humayun, and S. Ali. 2011. Important chickpea weeds of New Developmental Farm, Khyber Pakhtunkhwa Agricultural University, Peshawar, Pakistan. Pak. J. Weed Sci. Res. 17(3): 271-276.
29. Khan, R., M.A. Khan, Waheedullah, M. Waqas, A.M. Khan, **Z. Hussain** and A. Khan. 2011. Allelopathic potential of *Silybum marianum* L. against the seed germination of edible legumes. Pak. J. Weed Sci. Res. 17(3): 293-302.

30. Ali, K., F. Munsif, **Zahid Hussain**, I. Khan, et al. 2011. Effect of different weeds management practices on weeds and yield of maize (*Zea mays* L.). Pak. J. Weed Sci. Res. 17(4): 313-321.
31. **Hussain, Z.**, F. Munsif, K. Ali and S.I.A. Shah. 2011. Evaluation of herbicides for weed management in maize and their impact on grain yield of maize. Pak. J. Weed Sci. Res. 17(4): 333-342.
32. Muhammad, Z., S.M. Wazir, A. Farooq, S. Ullah and **Z. Hussain**. 2011. Distribution and checklist of weeds in maize crop of F.R. Bannu, KPK, Pakistan. 17(4): 373-379.
33. Ullah, I., S.M. Wazir, A. Farooq, S.U Khan and **Z. Hussain**. 2011. Identification of common weeds and its distribution pattern in wheat fields of FR Bannu, KP, Pakistan. Pak. J. Weed Sci. Res. 17(4): 407-416.
34. Masood, T., R. Gul, F. Munsif, F. Jalal, **Z. Hussain**, N. Noreen, H. Khan, Nasiruddin and H. Khan. 2011. Effect of different Phosphorus levels on the yield and yield components of maize. Sarhad J. Agric. 27(2): 167-170.
35. Ali, K., F. Munsif, M. Zubair, H. Akbar, **Z. Hussain**, M. Shahid, I. Din and N. Khan. 2011. Management of organic and inorganic nitrogen for different maize varieties. Sarhad J. Agric. 27(4): 525-529.
36. Munsif, F., M. Arif, N. Khan, **Z. Hussain**, M. Waqas and K. Ali. 2011. Effects of tillage depth on seedling growth, fodder yield and economic value of maize. *International Journal of Biology and Biotechnology*, 8(2): 233-237.
37. Arif, M., M. Waqas, F. Munsif, A. Ali, **Z. Hussain**, N. Khan and A. Samad. 2011. Seed priming in Zn solutions enhances emergence and yield of chickpea. *International Journal of Biology and Biotechnology*, 8(2): 295-298.
38. Khan, N., Hashmatullah, K. Naveed, **Z. Hussain** and Shah Alam Khan. 2012. Assessment of allelopathic effects of Parthenium (*Parthenium hysterophorus* L.) plant parts on seed germination and seedling growth of Wheat (*Triticum aestivum* L.) cultivars. Pak. J. Weed Sci. Res. 18(1): 39-50.
39. Khan, A., M. Sajid, **Z. Hussain** and A. Mateen. 2012. Effect of different weed control methods on weeds and yield of Chillies (*Capsicum annum* L.). Pak. J. Weed Sci. Res. 18(1): 71-78.
40. Khan, M.A., K. Ali, **Z. Hussain** and R.A. Afridi. 2012. Impact of maize-legume intercropping on weeds and Maize crop. Pak. J. Weed Sci. Res. 18(1): 127-136.
41. Khan, A.M., **Z. Hussain**, I. Khan et al. 2012. Studies on weed seed bank of New Developmental Farm of KP Agricultural University Peshawar Pakistan. Pak. J. Weed Sci. Res. 18(2): 183-189.
42. **Hussain, Z.**, F. Munsif, S.I.A. Shah, M.S. Kakar and A. Ahmad. 2012. Assessment of weed problems in wheat crop in Peshawar Pakistan. Pak. J. Weed Sci. Res. 18(3): 357-366.
43. Umm-e-Kalsoom, S.D. Kakar, M.A. Khan, **Z. Hussain** and A. Khan. 2012. Response of maize and three perennial weeds to different combinations of macro-nutrients. Pak. J. Weed Sci. Res. 18(4): 433-443.
44. Khan, R., M.A. Khan, M. Waqas, M. Haroon, **Z. Hussain**, et al. 2012. Bioherbicidal activity of some winter weeds against some crops. Pak. J. Weed Sci. Res. 18(4): 561-569.
45. Gul, B., I.A. Khan, **Z. Hussain** and M. Saeed. 2013. Impacts of soil solarization combined with other weed control strategies on weed management in onion nurseries. Pak. J. Weed Sci. Res. 19(1): 101-108.
46. Luqman, **Z. Hussain** and S. Fahad. 2013. Integrated weed management in bitter gourd in the agro-ecological conditions of Peshawar. Pak. J. Weed Sci. Res. 19(3): 341 – 347.
47. Khan, A.A., B. Ahmad, G. Lutfullah, N. Bacha and **Z. Hussain**. 2013. Biological screening of the crude extract isolated from a soil born fungi (*Cladosporium carrionii*). Pak. J. Weed Sci. Res. 19(4): 427-435.
48. Mehsud, A., S. Mehmood, A. Muhammad, R.U. Khan, S.U. Khan, H.U. Khan, R. Wazir and **Z. Hussain**. 2013. Contribution to morphology and anatomy of some weeds from flora of Bannu district Pakistan. Pak. J. Weed Sci. Res. 19(4): 437-445.
49. Afridi, R.A., M.A. Khan, **Z. Hussain**, S. Saleem, S. Khan, K. Afridi and M. Ali. 2013. Allelopathic effects of rice straw extract on different crops and weeds. *ARPJN Journal of Agricultural and Biological Science*, 8(5): 411-418.
50. Zaheer, S., I.U. Khan, H. Ullah, S. Shah, **Z. Hussain**, S. Bibi, A. Zeb and A. Majid. 2014. Mineral profile of different medicinal plants and their quantitative analyses collected from north west of Pakistan. Pak. J. Weed Sci. Res. 20(2): 145-154.

51. Khan, I., Z. Ali, M.I. Khan, **Z. Hussain**, S. Bibi, M. Waqas, R. Khan, S. Khan and M. Ali. 2014. Allelopathic effects of some weeds on chickpea crop. *Pak. J. Weed Sci. Res.* 20(2): 207-211.
52. Ilyas, M., G. Ayub, **Z. Hussain**, M. Ahmad, B. Bibi, A. Rashid and Luqman. 2014. Response of tomato to different levels of calcium and magnesium concentration. *World Appl. Sci. J.*, 31(9): 1560-1564.
53. Khan, J., B. Muhammad, M.A. Khan, **Z. Hussain**, S.U. Khattak, N. Bacha, F. Ullah, G. Lutfullah and R. Ali. 2014. Effect of forest fire on the chemical composition of the soil of Margalla hills of Pakistan. *Pak. J. Weed Sci. Res.* 20(2): 213-223.
54. Khan, R.U., S. Mehmood, S.U. Khan, A. Muhammad and **Z. Hussain**. 2014. Comparative study of weed species recorded in different field crops of Bannu, Khyber Pakhtunkhwa, Pakistan. *Pak. J. Weed Sci. Res.* 20(4): 489-504.
55. Rafiq, M., S.I.A. Shah, M.T. Jan, I.R. Khan, S.A.S. Shah and **Z. Hussain**, 2014. Efficacy of different groups of insecticides against cotton stainer, *Dysdercus koenigii* in field conditions. *Pakistan Entomologist*, 36(2): 105-110.
56. Amanullah, M. Ullah, I. Khan, **Z. Hussain** and K.M. Kakar. 2014. Pheno-morphological traits of mungbean as influenced by P and tillage under irrigated and un-irrigated conditions. *Pure and Applied Biology*, 3(2): 55-59.
57. Ahmad, K., M. Adnan, M.A. Khan, **Z. Hussain**, K. Junaid, N. Saleem, M. Ali, A. Basir and A. Ali. 2015. Bioactive neem leaf powder enhances the shelf life of stored mungbean grains and extends protection from pulse beetle. *Pak. J. Weed Sci. Res.* 21(1): 71-81.
58. **Hussain, Z.**, Luqman, M. Ilyas, S. Hussain, M. Ali, M.S. Khan, M. Saeed and N. Khan. 2015. Response of onion crop to various eco friendly weed management techniques at Peshawar Pakistan. *Pak. J. Weed Sci. Res.* 21(2): 195-206.
59. Saeed, M., M. Iqbal, M. Haroon, **Z. Hussain**, M. Buriro, M. Memon, M.K. Khattak, S. Ahmad and I. Khan. 2015. Influence of synthetic and bioherbicides on management of horse purslane (*Trianthema portulacastrum* L.). *Pak. J. Weed Sci. Res.* 21(3): 317-325.
60. **Hussain, Z.**, M. Ilyas, Luqman, I.A. Khan, F. Shehzad, I. Khan, M.I. Khan and B. Khan. 2016. Effect of sowing direction, plant spacing and weed control treatments on tomato yield and its weeds. *Pak. J. Weed Sci. Res.* 22(1): 49-62.
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Total no. of Publications

Impact Factor:	40
Non-Impact Factor:	80
Total:	120