

## Dr. Tasawer Abbas

Assistant Professor Agronomy, College of Agriculture, University of Sargodha, Pakistan

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### PhD in “Agronomy”

(Sep 2013 – Sep. 2017)

*University of Agriculture Faisalabad (UAF) and University of Arkansas, USA, PhD thesis submitted in UAF.*

*PhD Topic:* Evaluation and management of fenoxaprop-P-ethyl resistance in *Phalaris minor* Retz.

### Master’s in “Agriculture-Agronomy”

(Sep. 2011 – Oct. 2013)

CGPA: 3.51/4.00 (The Punjab Educational Endowment Fund)

*University of Agriculture Faisalabad (UAF)*

*Thesis Title:* Allelopathic effects of aquatic weeds on germination and seedling growth of rice and wheat

### Bachelor’s in “Agriculture”

(Aug. 2007– Jun. 2011)

CGPA: 3.62/4.00

*University of Agriculture Faisalabad (UAF)*

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## PROFESSIONAL EXPERIENCE

### Assistant Professor Agronomy

August. 2023 – to date

Department of Agronomy, College of Agriculture, University of Sargodha, Pakistan.

Teaching and Research

Research interests: Weed management, herbicide resistance, allelopathy, crop production in climate change, sustainable agriculture.

Additional duties: Member farm management committee, Focal person to ORIC office UOS.

### Instructor/ demonstrator (Agronomy) BS-17, In-service Agriculture Training Institute Sargodha.

Aug. 2018- to Aug. 2023.

- Worked as Farm Manager at student’s demonstration farm IATI, Sargodha.
- Taught students of Diploma in Agriculture Sciences (DAS).
- Provided trainings to in-service employees of Punjab Agriculture department as master trainer.
- Conduct and publish research in peer reviewed journals.

*Skills and /Techniques Used:* Use of scintillation counter, rotary evaporator, derivatization block, GC, chloroform fumigation method etc.

### Assistant Professor

Apr. 2018 – Aug. 2018

Department of Agronomy, University of Sargodha.

Taught Courses; Principles of Agronomy, Introduction to Weed Science, Crop Production and Herbicides, Modern Weed Management

### Teaching Assistant

Sep.2014 –Jun. 2015

Department of Agronomy, University of Agriculture Faisalabad.

- Taught Agronomy related courses and lab sessions.

- Assist graduate students in lab analysis and thesis writeup.

## PhD Researcher

Nov. 2014 – Oct. 2018

- **University of Agriculture Faisalabad (UAF) and University of Arkansas, USA**, PhD thesis submitted in UAF.
- Conducted lab, green house and field trials.
- Preparation of field experiment layout, sample collection at various stages of experiment from soil and plant.
- Worked as a teaching assistant for Agronomy related courses and lab sessions.
- Initiated farmer training workshops with local area community

*Techniques and software Used:* use of atomic absorption spectrophotometer, TDR, flame photometer, spectrophotometer, Statistics 8.1, R-script, JMP software, yEd Graph editor

## Visiting Research Scholar

Oct.2016- Mar.2017

University of Arkansas, USA

*Major research Projects included*

- Role of herbicide hormesis in herbicide resistance development in weeds
- Effect of adjuvants to enhance herbicide efficacy against herbicide resistant weeds
- Screening different novel adjuvants efficacy against various weed species

## RESEARCH PUBLICATIONS

### Journal Publications:

1. Maqbool, R., Khan, B.A., Nadeem, M.A., Azam, R., Raza, A., Nijabat, A., **Abbas, T.**, Ikram, M. and Amin, M.M., 2022. Allelopathic effect of aqueous extract of Polygonum bistorta and Terminalia chebula on germination and seedling growth of Daucus carota and Medicago polymorpha. *Semina: Ciências Agrárias*, 43(5), pp.2253-2270. DOI:10.5433/1679-0359.2022v43n5p2253
2. Asif, A., Khan, S., Asif, B., Ibrar, D., Hasnain, Z., Ismail, M.S., Rizwan, M., Ullah, S., Bashir, S., Rais, A. and Irshad, S., **Abbas T.**, Farooq N, Alkahtani J, Elshikh MS. 2022. Preliminary Study on Growth and Yield Potential of Ten Elite Lines of Quinoa (Chenopodium quinoa) Cultivated under Varying Sowing Dates. *Plants*, 11(16), p.2116. <https://doi.org/10.3390/plants11162116>.
3. Safdar, M.E., Qamar, R., Maqbool, R., Ali, H.H., Nadeem, M., Nadeem, M.A., **Abbas, T.**, Hayyat, M.S. and Ashraf, M.A., 2022. Management strategies for optimizing barley yield through row spacing under variable weed competition duration. *Pak. J. Agri. Sci*, 59(3), pp.467-476. DOI:10.21162/PAKJAS/22.9887.
4. Aziz, A., Khan, A., Asif, M., Nadeem, M.A., Ashraf, M., Raza, A., Javaid, M.M., **Abbas, T.**, Akhtar, N. and Munir, S., 2022. IMPACT OF ORGANIC MULCHES ON WEED DYNAMICS AND PRODUCTIVITY OF RAINFED WHEAT (Triticum aestivumL.). *Pakistan Journal of Weed Science Research*, 28(1).
5. Raza, A., H.H. Ali, Khan, M.A. Nadeem, M. Awais, M. Kamran, **T. Abbas**, M. Latif, N. Hamid and O.S. Uslu. 2021. Evaluation of clodinafop-propargyl resistant Avena fatua L. (wild oat) in Sargodha division of Punjab-Pakistan. *Pak. J. Bot*, 53 (5), p. 1629-1635.
6. Safdar, M.E., M. Safdar, A. Ali, N. Farooq, G. Sarwar, I. Hassan, M.A.Nadeem and **T. Abbas**. 2021. Soil solarization improves soil fertility in addition to weed management in sesame under subtropical conditions of Pakistan. *Adv Weed Sci*. 39:e020219464. <https://doi.org/10.51694/AdvWeedSci2021;39:00005>.
7. Farooq, N., A. Mehmood, A. Tanveer, M.A. Nadeem, G. Sarwar, **T. Abbas**, M.M. Javaid and A. Matloob. 2021. Exploiting fodder and nutritive value of *Alternanthera philoxeroides* (alligator weed) at different times of harvest: a potential fodder weed. *Pak. J. Bot.*, 53(3): DOI: [http://dx.doi.org/10.30848/PJB2021-3\(40\)](http://dx.doi.org/10.30848/PJB2021-3(40)).
8. Matloob, A., M.E. Safdar,., **T. Abbas**, ., F. Aslam, A. Khaliq, A. Tanveer, A. Rehman and A.R. Chadhar. 2020. Challenges and prospects for weed management in Pakistan: A review. *Crop Protection*, 134, 104724. <https://doi.org/10.1016/j.cropro.2019.01.030>

9. Ikram, R. M., A. Tanveer, R. Maqbool, A. Aziz, M.A. Nadeem, M. Nadeem, **T. Abbas** and A. Raza 2020. Potential allelopathic implications of a rain-fed weed *Astragalus* spp. on chickpea crop. *Pakistan Journal of Agricultural Sciences*, 57(6), 1549-1555. DOI : [10.21162/PAKJAS/20.128](https://doi.org/10.21162/PAKJAS/20.128)
10. Ali, K., A. Tanveer, N. Farooq, **T. Abbas**, G. Sarwar, M. A. Nadeem, I. Hassan, M. M. Javaid, A.H. Shah, B. A. Khan, A. Raza. 2020. Seed polymorphism of *Rhynchosia capitata* (roth) dc. enhance its tolerance to varying types and intensity of salt stresses. *Pak. J. Weed Sci. Res.* 26(4):393-401. <https://doi.org/10.28941/pjwsr.v26i4.852>
11. Nadeem, M.A., B.A. Jan, S.Afzal, M.A. Khan, T. Abbas, M.M. Javaid, M.M. Amin, N.Farooq, A. Aziz. 2020. Effect of aqueous extract of *carthamus tinctorius* L. On germination and initial seedling growth of *oryza punctata* L. *Pak. J. Weed Sci. Res.*, 26(3): 331-342, 2020. <https://doi.org/10.28941/pjwsr.v26i3.849>.
12. Javaid, M.M., A. Zaigham, H. Waheed, A. Mahmood, **T. Abbas**, M.M. Amin and M. Asif. 2020.. Studies on germination ecology and seedlings characteristics of *Cleome Viscosa* as affected by various environmental factors. *Pak. J. Bot.*, 52(6): DOI: [http://dx.doi.org/10.30848/PJB2020-6\(27\)](http://dx.doi.org/10.30848/PJB2020-6(27))
13. Farooq, N., G. Sarwar, **T. Abbas**, L. Bessely, M.A. Nadeem, M.M. Javaid, A. Matloob, M. Naseem and N.A. Ikram. 2020. Effect of drying-rewetting durations in combination with synthetic fertilizers and crop residues on soil fertility and maize production. *Pak. J. Bot.*, 52(6): DOI: [http://dx.doi.org/10.30848/PJB2020-6\(37\)](http://dx.doi.org/10.30848/PJB2020-6(37)).
14. Tanveer, A., M.E. Safdar, N. Farooq, M.I. Sudozai, M.A. Nadeem and **T. Abbas**. 2019. Exploring the herbicidal potential of *Achyranthes aspera* against some weeds. *Planta Daninha*, v37:e019188205. <https://doi.org/10.1590/S0100-83582019370100066>.
15. Rehman, S., B. Shahzad, A.A. Bajwa, S. Hussain, A. Rehman, S.A. Cheema, **T. Abbas**, A.A., Shah, S. Adkins and P. Li, P., 2019. Utilizing the allelopathic potential of Brassica species for sustainable crop production: a review. *Journal of Plant Growth Regulation*. 38(1), pp.343-356. <https://link.springer.com/article/10.1007/s00344-018-9798-7>
16. IKRAM, R.M., A.Tanveer, H.H. Ali, M.E. Safdar, M.M. Javaid, **T. Abbas**, S. Hashim, and B.S. Chauhan. 2019. Germination Ecology of Two Troublesome Weeds of Arid Chickpea: *Euphorbia dracunculoides* and *Astragalus* Species." *Planta Daninha* 37. Doi:10.1590/S0100-83582019370100049
17. Nadeem, M., A. Tanveer, A. Khaliq, N. Farooq and **T. Abbas**. 2018. Interference and estimation of economic threshold level of *Alternanthera philoxeroides* in maize (*Zea mays* L.). *Maydica*, 63(3) <https://journals-crea.4science.it/index.php/maydica/article/view/1782>
18. Bilal, M.A., Tanveer, A., Nadeem, M.A. and Abbas, T., 2019. Application of Bromoxynil+ MCPA+ Metribuzin at Varied Doses for Broad-Spectrum Weed Control in Forage Maize {*Zea mays* L. *Pakistan Journal of Scientific and Industrial Research Series B: Biological Sciences*, 62(2), pp.83-88.
19. Zohaib, A., S. Yousaf, S.A. Anjum, T. Tabassum, **T. Abbas**, W. Muzaffar and W. Ikram. 2019. Growth, Allometry and Dry Matter Yield of Soybean Genotypes in Response to Seed Inoculation with Plant Growth Promoting Rhizobacteria. *Pakistan Journal of Agricultural Research*, Vol.32, Iss.1, Pages 102-109. DOI | <http://dx.doi.org/10.17582/journal.pjar/2019/32.1.102.109>
20. Raza A., M. Kamran, M.E. Safdar, H.H., Ali, **T. Abbas**, M. Asif, L. Ali, and A. Rehman. 2019. Management tactics for handling *Parthenium hysterophorus* in non-native environment through phytotoxic compounds of local species. *Int. J. Agri. and Biol.* 21(1), 215-222. DOI : [10.17957/IJAB/15.0884](https://doi.org/10.17957/IJAB/15.0884)
21. Farooq, N., **T. Abbas**, A. Tanveer, H.H. Ali, M.E. Safdar, A. Zohaib. and B. Shahzad. 2019. Differential hormetic response of fenoxaprop-p-ethyl resistant and susceptible *Phalaris minor* populations: a potential factor in resistance evolution. *Planta Daninha*. V.37:e019187554. <https://doi.org/10.1590/S0100-83582019370100045>
22. Yousaf, S, A. Zohaib, S.A. Anjum, T. Tabassum, **T. Abbas**, S. Irshad, U. Javed and N. Farooq. 2019. Effect of Seed Inoculation with Plant Growth Promoting Rhizobacteria on Yield and Quality of Soybean. *Pakistan Journal of Agricultural Research* 32(1). 177-184. DOI: [10.17582/journal.pjar/2019/32.1.177.184](https://doi.org/10.17582/journal.pjar/2019/32.1.177.184)

23. Shahzad, T., M. Ashraf, M.M. Javaid, H. Waheed, **T. Abbas**, F. M. Li and A. Sattar. 2018. Influence of Field Soil Drought Stress on Some Key Physiological, Yield and Quality Traits of Selected Newly-Developed Hexaploid Bread Wheat (*Triticum aestivum* L.) Cultivars. **Sains Malaysiana**. 47(11): 2625–2635 DOI: [10.17576/jsm-2018-4711-05](https://doi.org/10.17576/jsm-2018-4711-05)
24. Shahzad, T., Ashraf, M., Javaid, M.M., Waheed, H., Abbas, T. and Sattar, F.M.L.A., 2018. influence of field soil drought stress on some key physiological, yield and quality traits of selected newly-developed hexaploid bread wheat (*Triticum aestivum* L.) cultivars. *Sains Malaysiana*, 47(11), pp.2625-2635. <http://dx.doi.org/10.17576/jsm-2018-4711-05>
25. Rehman, A., R. Qamar, M.E. Safdar, A.U. Rehman, H.M.R. Javeed, M.Shoaib ... and **T. Abbas**. 2018. Influence of Competitive Duration of Blessed Milkthistle (*Silybum marianum*) with Wheat. *Weed Technology*, 1-7. DOI: <https://doi.org/10.1017/wet.2018.77>
26. **Abbas, T.**, M.A. Nadeem, A. Tanveer, A. Matloob, A. Zohaib, M.E. Safdar, H.H. Ali, N. Farooq, M.M. Javaid, T. Tabassum and I.R. Nasir, 2018. Herbicide mixtures and row spacing effects on Fenoxaprop resistant *Phalaris minor* in wheat. *Int. J. Agric. Biol.*, 20: 2737–2744. DOI: 10.17957/IJAB/15.0828
27. Ikram, N.A., Tanveer, A., Shehzad, M.A., Abbas, T. and Ikram, R.M., 2018. Weed-competition effects on maize fodder production sown under different seeding densities. *Pakistan Journal of Weed Science Research*, 24(2).
28. **Abbas, T.**, M.A. Nadeem, A. Tanveer, H.H. Ali, M.E. Safdar, A. Zohaib and N. Farooq. 2018. Exploring the herbicidal and hormetic potential of allelopathic crops against fenoxaprop-resistant *Phalaris minor*. *Planta Daninha*.36:e018176368. <https://doi.org/10.1590/S0100-83582018360100056>
29. Ikram, N.A., A. Tanveer, M. A. Shehzad, **T. Abbas** and R.M. Ikram. 2018. Weed- competition effects on maize fodder production sown under different seeding densities. *Pak. J. Weed Sci. Res.* 24(2):105-117. DOI: [10.28941/24-2\(2018\)-5](https://doi.org/10.28941/24-2(2018)-5)
30. Abbas, T., Nadeem, M.A., Tanveer, A., Ali, H.H. and Farooq, N., 2018. Role of allelopathic crop mulches and reduced doses of tank-mixed herbicides in managing herbicide-resistant *Phalaris minor* in wheat. *Crop Protection*, 110, pp.245-250. <https://doi.org/10.1016/j.cropro.2017.06.012>
31. Tanveer A., M. Nadeem, A.Khaliq, **T. Abbas**, R. Maqbool, M.E. Safdar. 2018. Estimation of critical period of exotic invasive weed *Alternanthera philoxeroides* interference in maize. *Pak. J. Bot.*, 50(5): 1885-1892.
32. Rizwan, M., A. Tanveer, A. Khaliq, **T. Abbas**, N.A. Ikram. 2018. Increased foliar activity of isoproturon+tribenuron and pyroxsulam against little seed canary grass and field bindweed by proper adjuvant selection in wheat. *Planta Daninha*. DOI:[10.1590/s0100-83582018360100024](https://doi.org/10.1590/s0100-83582018360100024)
33. Mehmood, A., M.F. Saleem, M. Tahir, M.A. Sarwar, **T. Abbas**, A. Zohaib H.T. Abbas. 2018. Sunflower (*Helianthus annuus* L.) growth, yield and oil quality response to combined application of nitrogen and boron. *Pakistan Journal of Agricultural Research*, 31(1), 86-97. DOI: [10.17582/journal.pjar/2018/31.1.86.97](https://doi.org/10.17582/journal.pjar/2018/31.1.86.97)
34. Zohaib, A., T. Tabassum, A. Jabbar, S.A. Anjum, **T. Abbas**, A. Mehmood, S. Irshad, M. Kashif, M. Nawaz, **N. Farooq**, I.R. Nasir, T. Rasool, M. Nadeem and R. Ahmad. 2018. Effect of Plant Density, Boron Nutrition and Growth Regulation on Seed Mass, Emergence and Offspring Growth Plasticity in Cotton. *Scientific Reports*, 8(1), 7953. DOI:[10.1038/s41598-018-26308-5](https://doi.org/10.1038/s41598-018-26308-5)
35. Mehmood, A., M. Naeem, F. Khalid, Y. Saeed, **T. Abbas\***, K.Jabran, M.A. Sarwar, A. Tanveer and M.M. Javaid. 2018. Identification of phytotoxins in different plant parts of *Brassica napus* and their influence on

mung bean. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-018-2043-x>

36. M. Imran, A. Mehmood, T. Abbas, A. Zohaib, N. Farooq, I.R. Nasir and S.A. Junaid. 2018. Response of wheat and associated weeds to foliar application of sorghum and moringa Water extracts. Pak. J. Weed Sci. Res. 24 (1): 9-20. <https://www.wssp.org.pk/weed/papers/1522410196.pdf>
37. Rehman,S., B. Shahzad, A.A., Bajwa, S. Hussain, A. Rehman, A.S. Cheema, **T. Abbas**, A. Ali, L. Shah, S. Adkins and P. Li. 2018. Utilizing the Allelopathic Potential of *Brassica* Species for Sustainable Crop Production: A Review. Journal of Plant Growth Regulation. <https://doi.org/10.1007/s00344-018-9798-7>.
38. M.A. Shehzad, M. Maqsood, F. Nawaz, **T. Abbas** and S. Yasin. 2018. Boron-induced improvement in physiological, biochemical and growth attributes in sunflower (*Helianthus annuus* L.) exposed to terminal drought stress, Journal of Plant Nutrition. 41 (8): 943-955. DOI: [10.1080/01904167.2018.1431663](https://doi.org/10.1080/01904167.2018.1431663).
39. Shahzad, B., S. A. Cheema, M. Farooq, Z. A. Cheema, A. Rehman, and T. Abbas. "Growth stimulating influence of foliage applied brassica water extracts on morphological and yield attributes of bread wheat under different fertilizer regimes." *Planta Daninha* 36 (2018). <https://doi.org/10.1590/S0100-83582018360100117>
40. Rizwan, M., W. Ali, M.A. Nadeem and **T. Abbas**. 2018. Boron Application in Clay-Loam Soil for Improved Growth, Yield and Protein Contents of Mungbean in Water-Stresses. Sains Malaysiana. 47(1):51-58. DOI: [10.17576/jsm-2018-4701-06](https://doi.org/10.17576/jsm-2018-4701-06)
41. Nadeem MA, A. Tanveer, R. Maqbool, T. Abbas, **N. Farooq**. 2017. Efficacy evaluation of fertilizers and weed control practices to mitigate wheat nutrient and yield losses. *Planta Daninha*. v35:e017169013. <https://doi.org/10.1590/S0100-83582018360100029>
42. Nadeem,M.A., **T. Abbas**, F. Bashir, R. Maqbool. 2018. Integrated Role of Row Spacing and Adjuvant to Reduce Herbicide Dose in Maize under Semi-Arid Conditions. *Planta Daninha*. DOI: [10.1590/s0100-83582018360100037](https://doi.org/10.1590/s0100-83582018360100037)
43. Zohaib, A., T. Tabassum, S.A Anjum, **T. Abbas** and U. Nazir. 2017. Allelopathic effect of some associated weeds of wheat on germinability and biomass production of wheat seedlings. *Planta Daninha*. 35:e017167321. <https://doi.org/10.1590/S0100-83582017350100089>
44. **Abbas**, T., M. A Nadeem, A. Tanveer, A. Matloob, N. Farooq, N.A. Burgos, B.S. Chauhan. 2017. Confirmation of resistance in littleseed canarygrass (*Phalaris minor* Retz.) to ACCase inhibitors in central Punjab-Pakistan and alternative herbicides for its management. *Pak. J. Bot.*, 49(4): 1501-1507, 2017.
45. Nadeem, M.A., Tanveer, A., Abbas, T. and Bashir, F., 2016. Possibilities of reducing herbicide doses through narrowed row spacing and use of adjuvant in maize (*Zea mays* L.). *Pakistan Journal of Weed Science Research*, 22(4), 543-554.
46. **Abbas T.**, M.A. Nadeem, A.Tanveer, N. Farooq, A. Zohaib. 2016. Mulching with allelopathic crops to manage herbicide resistant littleseed canarygrass. *Herbologia*, 16 (1): 31-39. DOI: [10.5644/Herb.16.1.03](https://doi.org/10.5644/Herb.16.1.03)
47. Tanveer, A., M.M. Javed, M.A. Nadeem, M. Naeem and **T. Abbas**. 2017. Estimation of Economic Threshold Level of Alligator Weed (*Alternanthera philoxeroides* (Mart.) Griseb.) to Tackle Grain Quality and Yield Losses in Rice. *Archives of Agronomy and Soil Science*, 64:2, 208-218. [doi.org/10.1080/03650340.2017.1340643](https://doi.org/10.1080/03650340.2017.1340643)



48. Zohaib, A., S.A. Anjum, A. Jabbar, T. Tabassum, **T. Abbas** and U Nazir. 2017. Allelopathic effect of leguminous weeds on rate, synchronization and time of germination, and partitioning in rice. *Planta Daninha*. v35:e017160380. <https://doi.org/10.1590/S0100-83582018360100037>
49. Randhawa M, M. Maqsood, M.A. Shehzad, M.U. Chattha, M.B. Chattha, F. Nawaz, S Yasi, **T. Abbas**, M.M. Nawaz, R.D. Khan, U. Zulfiqar. 2017. Light interception, radiation use efficiency and biomass accumulation response of maize to integrated nutrient management under drought stress. *Turkish Journal of Field Crops*. 22. 134-142. DOI: [10.17557/tjfc.312370](https://doi.org/10.17557/tjfc.312370)
50. **Abass**, T., M.A. Nadeem, A. Tanveer, S. Syed, A. Zohaib, N. Farooq, M.A. Shehzad, 2017. Allelopathic influence of aquatic weeds on agro-ecosystems: a review. *Planta Daninha*. 35:e017163146. <https://doi.org/10.1590/S0100-83582017350100020>.
51. Rasool T, A. Zohaib, Ehsanullah, T. Ahmad, **T. Abbas**, T. Tabassum, M.A. Nadeem, Mahmood-ulhassan. 2017. Forage yield and quality in pearl millet-sesbania intercropping system under various geometrical patterns. *Pakistan J. Agric. Res.* Vol. 30 no.1.
52. **Abbas T**, Nadeem MA, Tanveer A, Ali HH, Matloob A. 2017. Evaluation and management ACCase inhibitor resistant littleseed canary grass (*Phalaris minor*) in Pakistan. *Arch Agron Soil Sci.* 63: 1613-1622. [doi.org/10.1080/03650340.2017.1296135](https://doi.org/10.1080/03650340.2017.1296135)
53. **Abbas T**, M.A. Nadeem, A. Tanveer and B.S. Chauhan. 2017. Can hormesis of plant-released phytotoxins be used to boost and sustain crop production? *Crop Protection*. 93: 69-76. <https://doi.org/10.1016/j.cropro.2016.11.020>
54. **Abbas**, T., M.A. Nadeem, A. Tanveer, R. Maqbool, A. Zohaib, M.A. Shehzad and N. Farooq. 2016. Glyphosate herbicide causes hormesis in wheat. *Pak. J. Weed Sci. Res.* 22(4): 575-586.
55. Nadeem, M.A., A. Tanveer, **T. Abbas** and F. Bashir. 2016. Possibilities of reducing herbicide doses through narrowed row spacing and use of adjuvants in maize (*Zea mays* L.). *Pak. J. Weed Sci. Res.* 22(4): 543-554.
56. **Abbas**, T., M.A. Nadeem, A. Tanveer, A and R. Ahmad. 2016. Evaluation of fenoxaprop-p-ethyl resistant littleseed canarygrass (*Phalaris minor*) in Pakistan. *Planta Daninha*, 34(4), 833-838.
57. **Abbas**, T., M.A. Nadeem, A. Tanveer R. and Ahmad. 2016. Identifying optimum herbicide mixtures to manage and avoid fenoxaprop-p-ethyl resistant *Phalaris minor* in wheat. *Planta Daninha*, 34(4), 787-793.
58. Shehzad, M.A, M. Maqsood, **T. Abbas** and N. Ahmad. 2016. Foliar Boron Spray for Improved Yield, Oil Quality and Water Use Efficiency in Water Stressed Sunflower. *Sains Malaysiana* 45(10): 1497–1507.
59. **Abbas T.**, M.A. Nadeem, A. Tanveer, N. Farooq, A. Zohaib. 2016. Mulching with allelopathic crops to manage herbicide resistant littleseed canarygrass. *Herbologia*, 16 (1): 31-39. DOI: [10.5644/Herb.16.1.03](https://doi.org/10.5644/Herb.16.1.03)
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68. **Abbas, T.**, M. A. Nadeem, A. Tanveer, A. Zohaib and T. Rasool. 2015. Glyphosate hormesis increases growth and yield of chick pea (*cicer arietinum* L.). *Pak. J. Weed Sci. Res.* 21(4): 533-542.
69. Khan, M.K., M.S.I. Zamir, I. ul Haq, Qamar-uz-Zaman, A. Zohaib, **T. Abbas**, T. Rasool, H.M.R. Javeed and S. Hussain. 2015. Barley intercropped with fenugreek yields more benefit under semi-arid conditions of Pakistan. *Res. J. Fish. Hydrobiol.* 10: 1-7.
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71. Zohaib A., Ehsanullah, T. Tabassum, **T. Abbas**, T. Rasool. 2014. Influence of Water Soluble Phenolics of *Vicia sativa* L. on Germination and Seedling Growth of Pulse Crops. *Sci. Agri*. 8 (3), 148-151.
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DOI: [10.5644/Herb.14.2.02](https://doi.org/10.5644/Herb.14.2.02)

#### Book Chapter:

1. Matloob, A., K. Jabran, M. Farooq, A. Khaliq, F. Aslam, **T. Abbas**, S. Zaman U, Irshad, and B.S. Chauhan. 2022. Water-Wise Cultivation of Basmati Rice in Pakistan. In *Modern Techniques of Rice Crop Production* (pp. 187-229). Springer, Singapore. [https://link.springer.com/chapter/10.1007/978-981-16-4955-4\\_13](https://link.springer.com/chapter/10.1007/978-981-16-4955-4_13).
2. Farooq, N., **T. Abbas**, A. Tanveer, K. Jabran. 2020. Allelopathy for weed management. In: Merillon JM, Ramawatt K.(eds) *Co-Evolution of Secondary Metabolites*. Reference Series in Phytochemistry. Springer, Cham. [https://doi.org/10.1007/978-3-319-96397-6\\_16](https://doi.org/10.1007/978-3-319-96397-6_16).

#### Articles Published in newspaper/ Newsletters

1. T Abbas, M A Nadeem, A Tanveer and H Haider Ali. Acetyl-CoA carboxylase inhibitor resistance in littleseed canarygrass-first case from Punjab, Pakistan. *The news-letter of Asian-Pacific Weed Science Society (APWSS)*. Volume 6, Issue 2. 2016.  
[http://apwss.org/.../news.../apwss/APWSS\\_Newsletter\\_Dec\\_2016.pdf](http://apwss.org/.../news.../apwss/APWSS_Newsletter_Dec_2016.pdf)
2. Tasawer Abbas, Dr. Ather Nadeem, Prof. Dr. Asif Tanveer and Ali Zohaib. How to get rid of weeds. *Technology times*. v. 7, Issue 14. April 04 – 10, 2016.  
<http://technologytimes.pk/post.php?title=How+to+get+rid+of+weeds>
3. Tasawer Abbas, Dr. Muhammad Ather Nadeem, Prof. Dr. Asif Tanveer and Ali Zohaib. Control weeds and protect your garden during harsh summer by mulching. *Technology times*. Volume 07 Issue 30. 2016.  
<http://technologytimes.pk/post.php?title=Control+weeds+and+protect+your+garden+during+harsh+summer+by+mulching>
4. Naila Farooq, Shamsa Kanwal, Muhammad Iqbal, Tasawer Abbas. Integrated use of murate of potash (MOP) with compost- an approach to low salt index. 2017. September 9<sup>th</sup> 2017.

<https://www.technologytimes.pk/integrated-use-of-murate-of-potash-mop-with-compost-an-approach-to-low-salt-index/>

## **PARTICIPATION IN CONFERENCES**

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1. National seminar on Allelopathy research in Pakistan: Experiences and opportunities, University of Agriculture, Faisalabad, 2013
2. Mid-term workshop and international seminar on climate change adaptation strategies to ensure security, University of Agriculture, Faisalabad, Pakistan, 2014.
3. International Conference on Emerging Horizons of Agricultural Extension for Sustainable Rural Development, University of Agriculture, Faisalabad 2014
4. International Conference on Agriculture, Food Security and Climate Change, University of Poonch Rawalakot, AJK, 2014
5. 5<sup>th</sup> International and 12<sup>th</sup> national conference of weed science, June 12-14, 2015, organized by Weed Science Society of Pakistan & Shaheed Benazir Bhutto University, Sheringal, Dir upper. 2015

## **ORAL PRESENTATION AT CONFERENCE**

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70<sup>th</sup> Annual meeting, southern weed science society. USA

## **AWARDS, GRANTS AND SCHOLARSHIPS**

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1. Member of the **Board of Studies in Agronomy, University of Sargodha**. 04-06-2022 to 03-06-2025
2. **International Research Support Initiative Program (HEC)** for Visiting Research Scholar at University of Arkansas, USA  
**Apr. 2017-Oct 2017**
3. Awarded Laptop on Merit by Prime Minister of Pakistan.
4. Awarded with merit based scholarship from Government of Punjab, [The Punjab Educational Endowment Fund \(PEEF\)](#), during M.Sc (Hons) Degree.
5. I have been awarded Laptop on Merit by Chief Minister Punjab Mian Mohammad Shahbaz Sharif.
6. Received merit and need based scholarship from [ALFALAH SCHOLARSHIP SCHEME](#) during B.Sc (Hons.) degree.

## **REVIEWER ACTIVITIES**

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**Regular Reviewer of Frontier in Agronomy, Planta Daniha, Pakistan Journal of Botany.**

## **Internships and Trainings:**

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- **Internship (Chief Minister's Grow More Wheat Campaign) November 2011 – December 2011.**  
District Officer Agriculture (Extension), Sargodha.  
**Responsibilities:** The **internship** was focused on motivating and teaching farmers to use advance technologies and machineries to increase crop production. State the importance of mechanization for better yield, minimizing post-harvest losses and saving irrigation water by sowing on beds.
- **Internship at National Agriculture Research Centre, Islamabad. March 2012 – May 2012**
  - **Project Title:** Effect of humic acid and phosphorous solubilizing bacteria on nutrient availability in soil and plant.
- **Modern Techniques in Agriculture on Abiotic Stress Tolerance in Plants (Training)-2016**  
Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad.
- **Hands-on Training of Turnitin-2016**



**University of Agriculture, Faisalabad, Pakistan** (<http://www.uaf.edu.pk/>)

- **Chinese Language Course- 2015**
- Confucius Institute, university of agriculture Faisalabad

**TEACHING AND SUPERVISION EXPERIENCE:**

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- **University of Sargodha**, I was involved in teaching Agronomy and crop production related courses to graduate and post graduate classes as Assistant Professor.
- **University of Agriculture Faisalabad**, During Ph.D, I worked as teaching Assistant and taught Agronomy related courses to bachelors students.