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List of Publication

Research Papers Published / Accepted in International/National Journals

1. Bashir, S., M. Adeel, A.B. Gulshan, J. Iqbal, **S. Khan**, M. Rehman, M. Azeem. 2019. Effects of organic and inorganic passivators on the immobilization of cadmium in contaminated soils: A Review. Environmental Engineering Science. (*Accepted*).
2. Bashir, S., A. Salam, M. Rehman, **S. Khan**, A.B. Gulshan, J. Iqbal, M. Shaaban, S. Mehmood, H. Hu and A. Zahra. 2019. Effective role of biochar, zeolite and steel slag on leaching behavior of Cd and its fractionations in soil column study. Bulletin of Environmental Contamination and Toxicology. (*Accepted*).
3. **Khan, S.**, S.M.A. Basra, I. Hussain and N. Foidl. 2019. Combined application of moringa leaf extract and chemical growth-promoters enhances the plant growth and productivity of wheat crop (*Triticum aestivum* L.). South African Journal of Botany. (*Accepted, extracted from PhD thesis*).
4. Hassan, N., S. Irshad, M.S. Saddiq, S. Bashir, **S. Khan**, M.A. Ashfaq, R.R. Khan and M. Yousra. 2019. Potential of zinc seed treatment in improving stand establishment, phenology, yield and biofortification of wheat. Journal of Plant Nutrition. (*Accepted*).
5. Mazhar, S.A., M. Nawaz, **S. Khan** and S. Irshad. 2018. [Impact of urea and farm yard manure on nitrate concentration in soil profile and productivity of wheat crop](#). Journal of Plant Nutrition. 41(20): 2683-2691.
6. **Khan, S.**, S. Irshad, F. Mehmood and M. Nawaz. 2018. [Combined application of sorghum and mulberry water extracts is effective and economical way for weed management in wheat](#). Asian Journal of Agriculture and Biology. 6(2):221-227.
7. **Khan, S.**, S.M.A. Basra, I. Afzal, M. Nawaz and H.U. Rehman. 2017. [Growth promoting potential of fresh and stored *Moringa oleifera* leaf extracts in improving seedling vigor, growth and productivity of wheat crop](#). Environmental Science and Pollution Research. 24(35): 27601-27612. (*Extracted from PhD thesis*)
8. **Khan, S.**, S.M.A. Basra, I. Afzal and A. Wahid. 2017. [Screening of moringa landraces for leaf extract as biostimulant in wheat](#). Int. J. Agri. Bio. 19:999-1006. (*Extracted from PhD thesis*)
9. Nawaz, M., M.U. Chattha, S. Khan, M.B. Chattha, M. Ijaz, **S. Khan**, H. Muneer, M.U. Hassan and M.U. Chattha. 2017. [Assessment of distillery spent wash water as a potential bionutrient supplement for spring-planted sugarcane \(*Saccharum officinarum* L.\)](#). The Philippine Agricultural Scientist. 100(4): 239-246.
10. **Khan, S.**, S. Irshad, J.U. Rehman, M.A. Ghafoor, M. Saeed and A. Hassan. 2017. [Impact](#)

- [of combined application of sorghum and mulberry water extracts on broad leaf weeds and yield attributes of wheat](#). International Journal of Biosciences. 11(5): 245-252.
11. **Khan, S.**, S. Irshad, F. Mehmood, M.A. Wahid, J.U. Rehman and M.H. Babaer. 2017. [Impact of sorghum and mulberry water extracts on narrow leaf weeds and yield of wheat](#). International Journal of Biosciences. 11(5):54-61.
 12. **Khan, S.**, A. Shah, M. Nawaz and M. Khan. 2017. [Impact of different tillage practices on soil physical properties, nitrate leaching and yield attributes of maize \(*Zea mays* L.\)](#). J. Soil Sci. Plant Nutri. 17(1):240-252.
 13. **Khan, S.**, H.R. Rehman, M.A. Wahid, M.F. Saleem, M.A. Cheema, S.M.A. Basra and M. Nadeem. 2016. [Boron fertilization improves seed yield and harvest index of *Camelina sativa* L. By affecting source-sink](#). Journal of Plant Nutrition. 39:1681-1687.
 14. Nawaz, M., **S. Khan**, M.U. Chattha, M. Khan and M. Bilal. 2015. [Interactive Effect of Sowing Techniques and Weed Crop Competition Periods on the Performance of Spring Planted Sugarcane \(*Saccharum officinarum* L.\)](#). International Journal of Modern Agriculture. 4:49-57.
 15. Shah, M.A., **S. Khan**, S. Bibi, S. Ullah, M. Khan, Z. Aslam and M. Imran. 2014. [Performance of Maize \(*Zea mays* L.\) Yield Attributes under Various Tillage Strategies](#). International Journal of Modern Agriculture. 3:97-105.
 16. Hameed, S., M. Ayub, M. Tahir, **S. Khan** and M. Bilal. 2014. [Forage Yield and Quality Response of Oat \(*Avena sativa* L.\) Cultivars to Different Sowing Techniques](#). International Journal of Modern Agriculture. 3:25-33.

Research Papers Submitted in International/National Journals

1. Hafeez, M.B., S. Iqbal, J. Riaz, S.M.A. Basra, M.S. Saddiq, **S. Khan**, and Jahanzaib. 2019. Mitigation of Salt Stress in Wheat through Exogenous Application of Moringa Leaf Extract. South African Journal of Botany. (Submitted).
2. **Khan, S.**, S. Batool. 2019. Impact of moringa leaf extract on moringa seedlings grown under low temperature conditions. International letters of Natural Sciences. (Submitted)
3. Rasool A, **S. Khan**, M.S. Saddiq, J. Iqbal, S. Bashir, S. Irshad and M. Nawaz. 2019. Influence of water deficit regimes on growth and productivity of normal and late sown wheat (*Triticum aestivum* L.). Crop and Pasture Science. (Submitted).
4. **Khan, S.**, S.A. Mazhar, M.S. Saddiq, A. Bakhsh, S. Kamaran, M.I.U. Haq, M. Nawaz and S. Batool. 2019. Integrated application of urea and farm yard manure improves productivity of wheat crop and soil properties. Plant Production Science. (Submitted).
5. Batool, S., S.M.A. Basra, M. Hussain, S. Iqbal, M.S. Saddiq, M.B. Hafeez, S. Irshad and **S. Khan**. 2019. Foliar application of moringa leaf extract improves the growth of moringa seedlings in winter. South African Journal of Botany. (Submitted).
6. Haq, M.I.U., K. Mcpphee, M. Maqbool, M. Sarwar, **S. Khan**, K.A. Khan, M.H. Hameed and M. Tanveer. 2019. Optimizing productivity, Profitability and Resource uSe of Efficacy through Integrated Cereal-Legume Intercropping Systems under Semi-arid Subtropical Climate. Pakistan Journal of Agricultural Science. (Submitted).
7. Saddiq, M.S., A.M.H. Ibrahim, I. Afzal, S. Iqbal, M.M. Maqbool, A. Ali, **S. Khan**, and Jahanzaib. 2018. Response of spring and winter wheat genotypes under salt stress on the basis of sodium exclusion, physiological and growth perspectives. Frontiers Plant Science. (Submitted).
8. Nawaz, M. H. Ali, M. Ijaz, M.U. Chattha, S. Khan, S. Hussain, S. Irshad and **S. Khan**.

2018. Assessment of environment friendly usage of spent wash and its nutritional potential for sugarcane production. Journal of Plant Nutrition. (Submitted).

Abstract Published/Accepted/Submitted in International/National Conferences/Workshops

1. **Khan, S.** and S.M.A. Basra. 2018. Comparative study of leaf extracts from different *Moringa* landraces and their biostimulant impact on wheat growth. *Moringa oleifera*: Recent trends and challenges in Processing and product developments. CEMB. Lahore. April 09-10, 2018. P. 16. (Extracted from PhD thesis)
2. **Khan, S.,** S.M.A. Basra, M. Nawaz and I. Afzal. 2018. *Moringa* leaf extract application improves late sown wheat productivity. *Moringa oleifera*: Recent trends and challenges in Processing and product developments. CEMB. Lahore. April 09-10, 2018. P. 24. (Extracted from PhD thesis)
3. **Khan, S.,** S.M.A. Basra and S. Irshad. 2018. Bio-efficacy of stored *Moringa* leaf extract as biostimulant in wheat productivity. Recent trends and challenges in Processing and product developments. CEMB. Lahore. April 09-10, 2018. P. 25. (Extracted from PhD thesis)
4. Rasool, A., S. Irshad, M. Nawaz and **S. Khan**. 2018. Influence of water deficit irrigation on growth and productivity of wheat (*Triticum aestivum* L.). 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 43.
5. Nawaz, M., M. Ijaz1, H. Ali, **S. Khan**, M.U. Chattha and M.U. Hasssan. 2018. Effect of ascorbic acid on membrane stability and yield of Heat stressed Bt cotton. 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 56.
6. Nawaz, M., S. Hussain, U. Iqbal, **S. Khan** and S. Irshad. 2018. Response of phosphate solubilizing bacteria in combination with pressmud improve growth and yield of wheat under arid climate. 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 57.
7. Hassan, N., S. Irshad, **S. Khan** and M. Nawaz. 2018. Potential of zinc seed treatment in improving stand establishment, phenology, yield and grain biofortification of wheat. 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 60.
8. **Khan, S.,** S.M.A. Basra, M. Nawaz and S. Irshad. 2018. Application of sorghum and mulberry water extracts suppress weeds in wheat crop. 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 396.
9. Irshad, S., **Khan, S.** and M. Nawaz. 2018. *Parthenium hysterophorus*: An invasive weed needs attention. 1st International and 2nd National Conference on Crop Production

- “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 397.
10. Batool, S., S.M.A. Basra, M. Nawaz, S. Irshad and **S. Khan**. 2018. Application of moringa leaf extract improves the growth of moringa seedlings under chilling stress. 1st International and 2nd National Conference on Crop Production “Challenges and Opportunities to Boost Agriculture in Changing Climate”. Bahauddin Zakariya University, Bahadur Sub-Campus, Layyah, Pakistan. March 26-28, 2018. P. 398.
 11. Nawaz, M., S. Khan, H. Ali and **S. Khan**. 2017. Evaluation of sugarcane processing by product compost and fertilizers on growth and productivity of Rice. In: “International conference on climate change and biodiversity” held at Cholistan Institute of Desert Studies, The Islamia University of Bahawalpur. May 2-4, 2017. P. 250-251.
 12. **Khan, S.**, Shahzad M.A. Basra, I. Afzal and A. Wahid. 2017. Evaluating the biostimulant potential of alone and blended moringa leaf extract with growth promoting substances in normal and late sown wheat crop. National Conference “Challenges and Opportunities to Boost Agriculture in Changing Climate”. March 29-30, 2017. P. 52. (*Extracted from PhD thesis*)
 13. **Khan, S.**, F. Mehmood, Shahzad M.A. Basra, M. Nawaz and M. Khan. 2017. Allelopathic approaches for weed management in wheat crop. National Conference “Challenges and Opportunities to Boost Agriculture in Changing Climate”. March 29-30, 2017. P. 177.
 14. Nawaz, M., H. Ali, S. Khan, M.U. Chattha, M. Ijaz and **S. Khan**. 2017. Evaluating the performance of spring planted sugarcane (*saccharum officinarum* L.) in response to different sowing techniques and weed crop competition periods. National Conference “Challenges and Opportunities to Boost Agriculture in Changing Climate”. March. 29-30, 2017. P. 38.
 15. Nawaz, M., S. Khan, H. Ali, M.U. Chattha, M. Ijaz, M.B. Chattha and **S. Khan**. 2017. Assessment of sugarcane industrial byproducts for improving sugarcane productivity. National Conference “Challenges and Opportunities to Boost Agriculture in Changing Climate”. March. 29-30, 2017. P. 39.
 16. Khan, S., M. Nawaz, M. Aslam and **S. Khan**. 2017. Performance of maize genotypes under stress condition imposed by heavy metals. National Conference “Challenges and Opportunities to Boost Agriculture in Changing Climate”. March. 29-30, 2017. P. 230.