

**Prof. Dr. Mansoor Khan khattak**

**BOOK PUBLISHED:**

- i. Introduction to Petroleum Technology
- ii. Effect of tillage practices on yield of wheat and maize rotation

**PROJECTS REPORTS PUBLISHED:**

- i. Khan, M. J. and M. Khan Khattak, 2003, Final progress Report on “Optimal tillage practices for wheat-fallow and chickpea-fallow rotation in Southern NWFP”.
- ii. Khan, M. J. and M. Khan Khattak, 2004, Third Annual progress Report on “Optimal tillage practices for wheat-fallow and chickpea-fallow rotation in Southern NWFP”.
- iii. Khan, M. J. and M. Khan Khattak, 2003, Second Annual progress Report on “Optimal tillage practices for wheat-fallow and chickpea-fallow rotation in Southern NWFP”.
- iv. Khan, M. J. and M. Khan Khattak, 2002, First Annual progress Report on “Optimal tillage practices for wheat-fallow and chickpea-fallow rotation in Southern NWFP”.

**METEOROLOGICAL REPORTS PUBLISHED:**

- i. Khattak, M. K. and M.J. Khan, 1992. "Meteorological observation NWFP Agricultural University research stations, No. Vol. 1, Met/02/92.
- ii. Khattak, M. K. and M.J. Khan, 1992. "Meteorological observation NWFP Agricultural University research stations, No. Vol.3, Met/06/92.11
- iii. Khattak, M. K. and M.J. Khan, 1992. "Meteorological observation NWFP Agricultural University research stations, No. Vol.4, Met/08/92.
- iv. Khattak, M. K. and M.J. Khan, 1992. "Meteorological observation NWFP Agricultural University research stations, Vol. 5, Met/12/92.

**PUBLICATIONS IN PROCEEDING/CONFERENCE/WORKSHOP**

- i. Data-based Sensing of Composition and quality of Product in Biodiesel Production. (2018). Proceeding of the 4th International Conference on Power Generation System and Renewable Energy Technologies (PGSRET) 10-12 September, 2018. Islamabad, Pakistan.
- ii. Khattak, M. K (2008). An overview of wind energy. Proceeding of the Conference on Response to challenges of globalization in agriculture. 299 – 344.

iii. Khattak, M. K., M. Khan and M. Hanif (2010). Development of small scale flat plate solar collector for agricultural purposes. International Conference on Energy Systems Engineering. College of Electrical and Mechanical Engineering. NUST. 50 –58.

## **RESEARCH PAPERS PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS: (51)**

### **A. Impact Factor Journals (14)**

1. Mansoor, K. K, M. hanif, M. Khan, M. Ramzan and Abdur R., (2019). Comparison of drying process and preservatives on drying kinetics, texture and antioxidants retention in Mulberry fruits. *The J. Anim. Plant Sci.* Vol. 29, P. 231-238.
2. Hanif, M., M. K. Khattak, I. Haq, K. Gul, A. Khan, K. Ullah, A. Khan and A. Ali (2019). Effect of Temperature and water purity on germination and yield of Mungbean Sprouts. *Sains Malaysiana* 48(4): 711-717.
3. Ahmad, I., A. Ayub. U. Ibrahim, M.K. Khattak and M. Kano (2019). Data Based Sensing and Stochastic Analysis of Biodiesel Production Process. *Energies* (doi:10) 12 (63): 1-13
4. Hanif, M., M. K. Khattak, M. Khan, M.Ramzan and A. Rab (2018). Energy, Exergy and Efficiency Analysis of a Flat Plate Solar Collector Used as Air Heater. *Sains Malaysiana* 47(5): 1059–1065.
5. Saeed, M., H. Huang, M. Ali, M. K. Khattak, Z. Huang, C. Zhang and S. Wei (2018). Growth Dynamics of Maize (*Zea Maize*) and Weeds in Response to Different Nitrogen Levels and Weeding Intervals. *Pak. J. Bot.* 50 (4). 1343-1346.
6. Afsar, M. A., S. K. Khalil, S. Wahab, I. H. Khalil, A. Z. Khan & M. K. Khattak (2017): Impact of Various Ratio of Nitrogen and Sulfur on Maize and Soil pH in Semi-arid Region. *Communications in Soil Science and Plant Analysis.* 48 (8): 825 – 834
7. Hanif, M., M.K. Khattak, M. Amin, M. Ramzan, . Zakir, S. Ullah and Z. Khan (2016). Development of an efficient Flat Plate solar Air heater for drying and water heating purposes. *Sains Malaysiana* 45(3): 489 – 497.
8. Khalil, S, K., S. Rahman, A. Rehman, S. Wahab, M.K. Khattak, I.H. Khalil, A. Z. Khan and Amanullah (2015). Osmoconditioning improve germination, assimilate partitioning and harvest index of wheat under drought. *International J. of Biosciences* (ISSN: 2220-6655). 6(7): 44 -57.
9. Wahab, S., M. K. Khattak, S. K. Khalil and Fahimullah. (2014). Effect of Cowpea

Flour Supplementation on the Nutritive Value of whole wheat flour leavened bread. *World Journal of Pharmaceutical Research*. 3(3): 4393-4403.

10. Fahim, U., M. K. Khattak and M. Khan. (2014). Development and Performance of a Parabolic Trough Solar Water Distillation Unit. *International Journal of Renewable and Sustainable Energy*. 1(1): 20-25.

11. Gul, H., Z. Shah, D. Muhammad, R. A. Khattak and M. K. Khattak. (2013). Micronutrients losses from Soil under Sub surface Drainage System. *Communications in Soil Science and Plant Analysis*. 44: 2546 – 2559.

12. Khan, A. Z., A. Nigar, S. K. Khilail, S. Wahab, A. Rab, M.K. Khattak and T. Henmi (2013). Influence of Synthetic Zeolite Application on seed development profile of soybean grown on allophonic soil. *Pak. J. of Bot.*, 45(3):1065 – 1068.

13. Rab. A., J. Rehman, S. Abdiani, A. Qadim, M.K. Khattak and K. Nawab. (2012). Thinning Intensity Affects The Yield And Fruit Quality Of Apricot Cv. Trevett 2012. *Pak. J. of Bot.*, 44(3): 887-890.

14. Rab, A., M. Sajid, N.U.Khan, K. Nawab, M.Arif. and M.K. Khattak. (2012). Influence of storage temperature on fungal prevalence and quality of citrus fruit (CV. Blood Red). 2012. *Pak. J. of Bot.*, 44(2): 831-836.

## **B. HEC Recognized International and National Journals (37)**

1. Hanif, M., A. Hadi and M. K. Khattak (2016). Impact of storage on physicochemical and organoleptic attributes of peanut milk preserved with different levels of nisin". *JAR*. 54(3).

2. Hanif, M., M. K. Khattak, M. Rehman, M. Ramzan, M. Amin, M. Aamir, S. A. Ali, S. Sheikh, Hafizullah, S. Khan, M. Saeed, A. Khan and M. Saqlain. (2015). Impact of Drying Methods and Extraction Solvents on the Steroidal Saponins Content of *Tibullus terrestris* Grown in the Peshawar Valley of Khyberpakhtunkhwa, Pakistan. *Journal of Science, Tech. and Dev.* 34 (3): 140-146.

3. Hanif, M., M. K. Khattak, M. Rehman, M. Ramzan, M. Amin, M. Aamir, S. Shiekh. Hafizullah, S. Khan, M. Saeed, A. Khan, and M. Saqlain (2015). Effect of Drying Temperature and Natural Preservatives on Reducing Aflatoxins in Solar Dried Persimmon (*Diospyros kaki* L.). *Proc. of the Pak. Aca. of Sci.* 52 (4): 359–36.

4. Lubna, H., Fahimullah and M. K. Khattak (2015). Prevalence and Molecular Detection of *Giardia* in different Sources of water. *Science, Technology and Development*. 34(1): 41 – 45.

5. Hanif, M., M.K. Khattak, S. A. Ali, M. Z. Khan, M. Ramzan, M. Amin and M.

Aamir (2015). Impact of drying temperature and slice thickness on retention of vitamin C in Persimmons (*dispyros kaki.l*) dried by a flat plate solar collector. P. J. of Food Sciences. V.(25): 66 – 70.

6. 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 hrse purslane (*Trianthema portulacastrum L.*) Pak. J. of Weed Science Research, Weed Science Society of Pakistan.: 1 – 10.

7. Hanif, M., M. K. Khattak, M. Rehman, and M. Khan (2015). Evaluation of existing thin layer drying models on drying kinetics of persimmons (*Diospros Kaki.L*) Journal of Agricultural Research. 53(2): 112 – 117.

8. Hanif, M., M. K. Khattak, M. Rehman, M. Aamir, M. Ramzan, M. Amin, M. Khan and S. Sheikh (2015). Convective Drying of Chilies using a concentrating solar collector. Proceeding of the Pakistan Academy of Sciences (ISSN: 0377 – 2969). 52(2): 103 – 107.

9. Khattak, M. K., and Fahimullah (2014). Maintenance and Repair Cost of Company Wise Vehicles: A Case Study of the University of Agriculture Peshawar, Pakistan. Int. J. of Engg. Works. 1(3): 56 – 63.

10. Hanif, M., M. K. Khattak, M. Rehman, M. Rehman, S. Sheikh, Hafizullah, S. Khan, M. saeed, A. Khan and M. Saqlain (2014). Impact of Type and particle size on the protein contents in wheat flour. J. of Science, Technology and Development. 33(3): 107 – 109.

11. Hanif, M., M. K. Khattak and M. Rahman. (2014). Modeling the solar irradiance at different tilts on Peshawar, Pakistan. ISESCO Journal of Science and Technology. 9(17): 23-27.

12. Hanif, M., M. K. Khattak, M. Rahman, M. Khan, M. Amin and M. Ramzan. (2014). Performance Evaluation of a Flat Plate Solar Collector as a Drier for Chilies and Tomatoes. Journal of Science, Technology and Development. 33(2): 63 - 67.

13. Hanif, M., M. Rahman, M. K. Khattak, M. Ramzan, M. Amin and K. Khan. (2013). Convective Drying and Mathematical Modeling of Onions Dried Using a Flat Plate Solar Air Heater. Pakistan Journal of Nutrition. 12 (11): 11-19.

14. Khan, F., A. Iqbal, Naveedullah, M.K. Khattak and W.J.Zhou. (2011). Physicochemical properties and fertility status of water eroded soils of Sharkul area of district Mansehra, Pakistan Soil Environ. 30 (2): 137-145.

15. Jamali, L.A, M. K. Khattak, M. B. Jamali, S. H. Chattah and G. S. Bughio

(2011). Technology and its Impact on Agriculture Production. Life Sci. Int. J. 5(1): 2022 - 2025.

16. Wahab, S., S. Khan, M.K. Khattak, Aurangzeb, N. Ahmad and F. Habib (2007). Nutritional qualities of different wheat varieties grown in North West Frontier Pakistan. Sarhad J. of Agric. 23(4): 1131-1136.

17. Khan, M. Z., A. R. Ghumman, M. K. Khattak and G.D. Khan (2007). Use of hydrodynamic modeling to assess the performance of Dagai distributary of Maira branch of upper Swat Canal irrigation system. Sarhad J. of Agric. 23(4): 1061-1065.

18. Ghumman, A. R., M. Z. Khan, G. D. Khan and M. K. Khattak (2007). Assessment of supply and irrigation demand for Dagai distributary of the Maira branch of upper Swat canal irrigation system. Sarhad J. of Agric. 23(2): 371-375.

19. Khattak, M. K., A.Q. Mughal, L.A. Jamali, S.A. Khan and M. K. Zubair (2007). Economic evaluation of deep and shallow tillage practices under maize fallow rotation. Sarhad J. of Agric. 23(2): 365-370.

20. Khattak, M. I and M. K. Khattak (2006). Language teaching methodologies based on empiricist approach. Sarhad J. of Agric. 22(2): 24-31.

21. Jamali, L.A, M. Khan, H. R. Mangio and K. A. Ibupoto (2006). Improving the aggregates stability and compressive strength by stabilization of soil. Pak. J. Agri., Agril. Engg., Vet. Sc. 22(1): 36 –39.

22. Khan, S., M. Idrees, K. Nawab, M. Khattak and M. Ramzan (2006). The adoption of Modern agricultural machinery: A comparative study of small, medium and large farmers in union council Palosi, district Peshawar. Sarhad. J. of Agric. 22(2): 353 –359.

23. Khattak, M.K., M.J. Khan, M.J. Khattak, M. Asrar and M. Ibrahim (2006). Economic Evaluation of deep tillage and shallow tillage practices during wheat crop production. Sarhad. J. Agric. 22(1): 156 – 162.

24. Khan, M.J. M.K. Khattak and S. Wahab (2006). Influenced of Various Tillage Practices on Selected Physical properties of Sandy Loam Soil Under Rainfed Area. Sarhad. J. Agric. 22(1): 71 – 79.

25. Khattak, M.K., M.J. Khan and M. S. Khan (2006). Impact of Various Tillage Practices on Soil Moisture Content, Bulk Density And Soil Strength on Clay loam Soil Condition Under Rod-Kohi Area Of D. I. Khan. Sarhad. J. Agric. 22(1): 61–69.

26. Khattak, M.K. and M.J. Khan (2005). Effect of Different Tillage Practices on Weeds and Yield of Chickpea under Sandy loam. Pak. J. Weed Sci. Res. 11 (3 - 4): 157 –164.
27. Khattak, M.K., M.J. Khan, M. Asrar, S. Wahab and M. Ramzan (2005). Enhancement of wheat yield and yield components by controlling weeds with deep tillage practices under irrigated clay loam soil condition. Pak. J. Weed Sci. Res. 11(3 - 4): 131 – 136.
28. Khattak, M.K., M.J. Khan, M.S. Somroo, L.A. Jamali and M.S. Khan (2005). Influence of Various Tillage practices on Weed Control to Increase Maize Production Under Irrigated Conditions. Pak. J. Weed Sci. Res. 11(1-2):49-53.
29. Khan, M. Z, M. K. Khattak, M. J. Khan and M. Asrar (2005). Comparison of water supply and demand for the rabi season at tertiary level in the command of the Jui Shaikh canal irrigation system. Sarhad J. Agric. 21(3), 2005: 418 – 423.
30. Khan, G. D., N. Ullah, A. Malik and M. K. Khattak (2005). Assessment of general performance indicators of irrigation supply and demands and their impacts on major crop yield in a controlled subsurface drainage area of Mardan SCARP. Sarhad J. Agric. 21(3), 2005: 425 - 436.
31. Khattak, M. K., A. Q. Mughal, M. J. Khan, S. B. Bhukhari and G. D. Khan, 2004. Effect of various tillage practices on selected physical properties in clay loam soil under wheat – maize rotation. Sarhad J. Agric. 20 (2): 233 - 241.
32. Khattak, M. K., M. J. Khan, A. Q. Mughal, S. B. Bukhari and M. T. Jan., 2004. Influence of various tillage practices on yield of wheat-maize under clay loam soil condition. Sarhad J. of Agric. 20 (3): 429 - 433.
33. Khan N. P., M. K. Khattak and T. A. Khattak (2001). Economic analysis of meat retailing business in district Peshawar, NWFP, Pakistan. Sarhad J. of Agric. 17(2): 277 - 281.
34. Rehman. M., M. A. Khan and M. K. Khattak (1995). Effect of different tillage operations on emergence and yield of wheat. AMA. 26(2): 62 – 64.
35. Khattak, M. K., and M. Ramzan (1995). Effect of different tillage implements combination on fuel consumption and yield of maize. Sarhad J. of Agric. 17(2): 277 - 281.
36. A. Rehman, P. Shah and M. K. Khattak (1991). Effects of nitrogen, phosphorous and potassium on yield and yield components of triticale. J. of Sci.& Tech. Univ. Peshawar. 15 (3): 230 - 234.

37. Khan. A. Z., Khattak, M. K., M. Tariq and J. Zeb. 1990. Study of water losses before and after improvement of watercourses. *Sarhad J. of Agric.* 6 (3): 227 – 230.