

Prof. Dr. Muhammad Amin
List of Publications

1. Tariq, M. and **M.Amin**, 1988. Wheat Threshing Losses in different types of threshing machine. Sarhad J. of Agric. 4(6):781-787.
2. Rehman, M. **M.Amin** and M.K. Khattak, 1995. Effect of different tillage operation on emergence and yield of wheat. Agri. Mech. in Asia 26(2):62-64.
3. Ashfaq, A. A. said, A. Khan and **M.Amin**, 2006. Comparison of wheat and barley for yield and yield components under different irrigation patrons. Sarhad J. of Agric. 22(1):7-11.
4. Ali, A. M. Arif, G. Ayub, H. Akbar, and **M.Amin**, 2006. Effect of Gibberallic acid and sowing depth on wheat varieties. Scientific Khyber 19(1):1-9.
5. Azam, S., M. Ali, **M.Amin**, S. Bibi and M. Arif, 2007. Effect of plant Population on maize hybrid. Journal of Agricultural and Biological science 2(1):13-20.
6. Jan, T., **M.Amin**, A. Latif, S. Mehmood, A. Shafi, and M. U. Rehman, 2012. Nitrogen translocation and its efficiency as affected by source and time of nitrogen-application. Life Sci. Int. J. 6(4): 2705-2710.
7. Hanif M., M. Rahman, M. Aamir, M. Ramzan, **M. Amin**, M. Khan, M. Pervez, and I. A. Mari 2012. Recycling home scrap to develop an efficient dish type solar air heater for drying onion. American Journal of Agricultural Science, Engineering and Technology, 1(3):1-9,.
8. Khalil, M. H., M. Aamir, M. Ramzan, M. Rahman, M. Khan, **M.Amin** and A. Ali, 2012. Drying of apricots using a proficient dish type solar air heater. World Applied Sciences Journal 18(8): 1102-1106.
9. Hanif, M., M. Ramzan, M. Rahman, M. Khan, **M. Amin**, and M. Aamir, 2012. Studying Power Output of PV Solar Panels at Different Temperatures and Tilt Angles. ISESCO JOURNAL of Science and Technology. 8(14): 9-12.
10. **Amin, M.**, M. J. Khan and M. T. Jan, 2013. Effect of tillage practices and sowing methods on weeds and biological yield of wheat under semi-arid environment. Pak. J. Weed Sci. Res. 19 (1): 109-121.
11. **Amin, M.**, M. J. Khan, M. T. Jan and J. A. Tariq, 2013. Response of wheat growth characteristics to various tillage practices and sowing methods under semi arid environment. Sarhad J. agric. 29(4):529-535.

12. Hanif,M., M.Rehman, M.Khan,M.Aamir, **M.Amin** and I.A.Mari, 2013. Impact of dry temperature and air mass flow rates on the drying performance of a parabolic trough solar collector (PTSC) used for dehydration of apricots. Emir.J.Food Agri. 25 (6): 418-425.
13. Ullah,I., I.H.Khalil, I.A.Shah, W.Murad, N.Mehmood, **M.Amin** and M.Noor, 2013. Germplasm diversity of wheat under different water stress and weedy conditions. Pak.J.Weed Sci. Res. 19 (3):315-325.
14. Hanif,M.,M.Rehman, **M.Amin**, M.K. khattak, M.Ramzan, S.U.Dinn 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): 1003-1007.
15. Shah,Z.,Y.Noor, T.Shah, A.Latif, **M.Amin** and A.Shah, 2014. Change in soil microbial attributes with soil characteristics and parent materials. Sarhad J.Agric.30(1):15-25.
16. **Amin, M.**, M.J.Khan, M.T.Jan, N.Ahmad, M.Rehman and A.Rouf, 2014. Effect of tillage and sowing methods on weed biomass and mungbean yield under irrigated conditions. Pak.J.Weed Sci. Res.20(1):59-66.
17. **Amin, M.**, M.J.Khan and M.T.Jan, M.Rehman, J.A.Tariq, M.Hanif and Z.Shah, 2014. Effect of different tillage practices on soil physical properties under wheat in semi-arid environment. Soil & Environment33 (1):33-37.
18. **Amin, M.**,M.J.Khan, M.T.Jan, A.Latif, M.U.Rehman and M.Arif, 2014. Weed biomass and growth of mungbean as affected by tillage practices and sowing methods. Sarhad J. Agric.30(2):227-232.
19. Waqas,M., B.Ahmad, M.Arif, F.Munsif, A.L.Khan, **M.Amin**, S.M.Kang, Y.H.Kim, In-J. Lee, 2014. Evaluation of humic acid application methods for yield and yield component of mungbean.American Journal of Plant Science (5): 2269-2276.
20. Munsif, F., S.Shah, A.L.Samuel, **M.Amin**, A.Shah, A.Ahmad and Z.Ali, 2014. Integration of weed control methods with seed rates for improving wheat yield. Pak.J.Weed Sci. Res., 20 (2): 155-165.
21. Hanif M., M.K.Khattak, M.U. Rahman, M.Khan, **M. Amin** and M.Ramzan. 2014. Performance evaluation of flat plate solar collector as a drier for chillies and tomatoes. Journal of Science Technology and Development. 23(2):63-67.
22. Islam, F.U., S.Zaheer, F.Jalal, M.Hussain, K.M.Kakar, **M.Amin**, M.Ali and S. Jan, 2014. Impact of crop residues mulch on weeds control and some agronomic aspects of wheat. Pak.J.Weed Sci. Res., 20 (4): 541-552.
23. Ali, K., M.Arif, W.Ullah, W.Ahmad, M.R.Khan, L.S.Ayeni, **M.Amin**, and M.Jehangir, 2015. Influence of organic and inorganic amendments on weeds density and chemical composition. Pak.J.Weed Sci. Res., 21 (1): 47-57.

24. Hanif M., M.K.Khattak M. Rahman, 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. 52 (2): 103-107.
25. Hanif M., M.K.Khattak M. Rahman, S.A.Ali, M.Khan, M.Ramzan, **M. Amin** and M. Aamir, 2015. Impact of drying temperature and slice thickness on retention of vitamin c in persimmons (diospyros kaki.1) dried by a flat plate solar collector. Pakistan journal Food Science. 25 (2): 66-70.
26. Yaseen,T., W.Ullah, M.Ahmad, Naveedullah, K.Ali, Abdullah and **M.Amin**, 2015. Effect of tillage and weed control methods on weed density and tomato (*Lycopersicon esculentum*) productivity. Pak.J.Weed Sci. Res. 21 (2): 153-161.
27. Salim,N., M.Adnan, N.A.Khan, S.Zaheer, F.Jalal, **M.Amin**, W.M.Khan, M.Arif, I.Rahman, M.Ibrahim, Y.Jamal, S.R.A.Shah, K.Junaid and M.Ali, 2015. Dual purpose canola: grazing and grain options. Pak.J.Weed Sci. Res. 21 (2): 295-304.
28. Kashif,M., B.Gul, H.Khan, S.Hidayat, **M.Amin**, A.Shakil, I.Ahmad and M.Ahmad, 2015. Impact of soil moisture and soil depths on resprouting ability on john grass (*Sorghum halepense* L.) rhizomes. Pak.J.Weed Sci. Res. 21 (3): 327-334.
29. Hanif M., M.K.Khattak M.U.Rahman, M.Ramzan, **M.Amin**, M. Aamir, S.S.Sher, Hafeezullah, S.Khan,M.Saeed,A.Khan, and M.Saqalain 2015. Effect of drying temperature and natural preservatives and reducing aflatoxins in solar dried persimmo(diospyros kaki.I) Proceeding of the Pakistan Academy of Sciences. 52 (4): 359-363.
30. Din,R.u., **M.Amin**, **M.U.Rehman**, **S.Shah**, A.A.Shad, M.Hanif and S.Din, 2016. Effect of different drying treatments on the essential oil content of (*matricaria chamomila*) flowers. Pak.J.Weed Sci. Res. 22 (1): 69-79.
31. Hanif M., M.K.Khattak, **M. Amin**, M.Ramzan, S.Zakir, S.Ullah and Z.Khan, 2016. Development of an Efficient Flat Plate Solar Air Heater for Drying and Water Heating Purposes. Journal of Sain Malaysiana 45(3):489-407.

Publications of (Outreach/Extension)/Articles

1. Amin,M.and M.Tariq,1991. Booklet in urdu ‘Machini Kasht’(No.41) Published by Directorate of Outreach ,NWFP Agricultural University Peshawar.
2. Amin,M.2000, Article in pushto in Zarat Sarhad on tractor maintenance, published by Agri.Extension department of NWFP.

3. **Amin,M.**2009. Maintenance of tractor. urdu article in Zarat sarhad,33(1):22-24.published by Agr.Extension department of Khyber pakhtoonkhwa.
4. **Amin,M.**2009.Maintenance and uses of agriculture machinery, (Tillage Equipments) urdu article in Zarat sarhad, 33(4):41-45 published by Agri.Extension department of Khyber pakhtoonkhwa.
5. **Amin,M.**2010. Maintenance and uses of Agriculture machinery,i.e (Planting and fertilizer Equipments), urdu article in Zarat sarhad,33(7-8):40-43.published by Agri.Extension department of Khyber pakhtoonkhwa.

Publication of Meteorological Reports

Published 24 Meteorological Reports from January 1993 to December 1998):i.e. Meteorological Observation, of NWFP Agricultural University, Research Stations (Volume I,No.Met-3/93 to Volume IV,No.Met12/98)of NWFP Agriculture University research stations, list are attached, which are used and using by researchers, faculties, PhD and MSc research students of Agri university and otherconcerned organizations:

1. **Amin,M.**and M.J.Khan. March 1993, Meteorological Observation, NWFP Agricultural University, Research Stations. Volume I,No.Met-3/93.
2. **Amin, M.**and M.J.Khan. June 1993, Meteorological Observation,NWFP Agricultural University, Research Stations. Volume II,No.Met-6/93.
3. **Amin, M.**and M.J.Khan. Sep. 1993, Meteorological Observation, NWFP Agricultural University, Research Stations. Volume III,No.Met-9/93.
4. **Amin, M.**and M.J.Khan. Dec. 1993, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume V,No.Met12/93.
5. **Amin,M.**and M.J.Khan. March 1994, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume I,No.Met-3/94.
6. **Amin,M.**and M.J.Khan. June 1994, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume II,No.Met-6/94.
7. **Amin, M.**and M.J.Khan. Sep. 1994, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume III,No.Met-9/94.
8. **Amin, M.** and M.J.Khan. Dec. 1994, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume IV,No.Met12/94.
9. **Amin,M.** and M.J.Khan. March 1995, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume I,No.Met-3/95.

10. **Amin,M.**and M.J.Khan. June 1995, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume II,No.Met-6/95.
11. **Amin,M.**and M.J.Khan. Sep. 1995, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume III,No.Met-9/95.
12. **Amin,M.**and M.J.Khan. Dec.1995, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume IV,No.Met12/95.
13. **Amin,M.**and M.J.Khan. March 1996, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume I,No.Met-3/96.
14. **Amin,M.**and M.J.Khan. June 1996, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume II,No.Met-6/96.
15. **Amin,M.**and M.J.Khan. Sep. 1996, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume III,No.Met-9/96.
16. **Amin,M.**and M.J.Khan. Dec.1996, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume IV,No.Met12/96.
17. **Amin,M.**and M.J.Khan. March 1997, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume I,No.Met-3/97.
18. **Amin,M.**and M.J.Khan. June 1997, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume II,No.Met-6/97.
19. **Amin,M.**and M.J.Khan. Sep. 1997, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume III,No.Met-9/97.
20. **Amin,M.**and M.J.Khan. Dec.1997, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume IV,No.Met12/97.
21. **Amin,M.**and M.J.Khan. March 1998,Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume I,No.Met-3/98.
22. **Amin,M.**and M.J.Khan. June 1998, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume II,No.Met-6/98.
23. **Amin, M.**and M.J.Khan. Sep. 1998, Meteorological Observation NWFP Agricultural University, ResearchStations. Volume III,No.Met-9/98.
24. **Amin, M.**and M.J.Khan. Dec.1998, Meteorological Observation, NWFP Agricultural University, ResearchStations. Volume IV,No.Met12/98.

Outreach/continuing education and other related Activities of the department and University:

1. Practical training course for Agri. University students, on tractor driving, machinery adjustment, operation, maintenance and safety of farm machinery.
2. Practical training for, Field Assistants and Tractors Operators, Agri. officers from Afghanistan in the field of Farm Mechanization.
3. Provide and demonstrate small maize shellers to farmers in maize cultivated area of Swat and Monsehra, demonstration also to farmers in field day in Monsehra under outreach program.
4. Participation in Kisan conference held in NWFP Agri. University, in 1997, organized by continuing education for the farmers.
5. Participation in Seminar on Merger of NWFP Agri. University and Research System, held in NWFP Agricultural University on 27,28-4-1998, organized by continuing education.
6. Checking, Repair, Maintenance of University Vehicles and Farm Machinery etc. of the University.
7. Repair, Maintenance, assembling of Farm Machinery etc. of NWFP Agriculture University and Research system of university.
8. Workshop tools and meteorological observations for university farm and all research stations of the university.
9. Visits to different research Station for the checking repaired, maintenance and installation of farm machines, weather equipment etc. and training of concern persons of NWFP Agr. University Research System.
10. Meteorological observation of NWFP Agri. University Research Stations, i.e. Installation, checking, repair and maintenance of meteorological equipment, Data collection, analysis, Compilation, Publication and dissemination.