

## CV of Dr. MUHAMMAD RAMZAN

NAME	Dr. MUHAMMAD RAMZAN
PERSONAL	
Father's Name	MUHAMMAD RASOOL
Date of Birth	October 01, 1964
Place of Birth	Peshawar
Domicile	K.P.K (Peshawar)
Religion	Islam
NIC No.	17301-1661172
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Moble	0320 - 9118342
Specialization	Agricultural Mechanization
Permanent Address	House no. 313 Canal Line Abpara, Market, Near Ayub Ansari Masjid, University Town. Peshawar
Correspondence Address	Deptt. Agricultural Mechanization, K.P.K University, Agriculture, Peshawar.
Languages	Urdu, Pushto and English
E-mail Address	<a href="mailto:muhammadr64@yahoo.com">muhammadr64@yahoo.com</a>
EDUCATION:	Ph.D. 2012, Agricultural, Mechanization, University of Agriculture Peshawar,  M.Sc (Hons) 1989, Agricultural University of Peshawar  B.Sc (Hons) 1986, Agricultural, Mechanization, University of Agriculture, Peshawar,  FSc (pre-Medical) 1981, Islamia College, Peshawar  Matriculation 1978, Islamia Collegiate School, Peshawar

## **Employment Record**

### **EXPERIENCE.**

#### **1. COURSES TAUGHT**

##### **a. B.Sc (hons) Agricultural Mechanization**

- b. Engineering Applications in Agricultural to B,Sc (Hons) Part -1. to Agriculture students
- c. Engineering Applications in Agricultural to B,Sc (Hons) Part -1. to animal husbandry and veterinary students.

- a Materials handling and storages B.Sc (Hons) part-111

- b Land levelling and surveying to B.Sc (Hons) Part- 1V
- c Farm Structure and Environment B.Sc (Hons) Part- V11
- d crop processing and storage. B.Sc (Hons) part 111
- e. Farm machinery in Pakistan
- f mechanization in Agriculture
- g. Building material, Planning and construction. B.Sc, part 1

**b. M.Sc(hons) Agri:Mechanization.**

- a Advanced electricity to M.Sc (Hons)
- a. Seed drying, processing and storage (M.sc Hons).
- e. **Farm machinery in Pakistan**

**c. P.hD Agricultural Mechanization**

- Drainage and Erosion Control
- Advance Agricultural electricity
- Advances in hydraulics and Electro Pneumatics

**2. COURSE DEVELOPMENT**

The course was developed on MECHANIZATION IN AGRICULTURE which is included in the syllabus of B. Sc (Honns) part 111 this department. The survey was conducted on the status of farm machinery in 5 districts of Peshawar valley.

**Developed a comprehensive notes for delivering in “orientation to Agriculture profession”**

**3. TRAINING**

1. One month Training of tractor driving and operation of tractor drawn implements in Malakandher Farm w.e.f. July to September 15, 1989.
2. Fifteen days training on office automation course in M.S World, Excel, Internet Explorer and Power Point w.e.f August 14 to September 29, 2003 at Khyber College of Commerce and Information Technology 17-C, Gulmaher Line, University, Town Peshawar.
3. One month Training on teacher staff development coarse at K.P.K University of Engineering and Technology.

**4. RESEARCH INTEREST**

I am interested in the research of soil compaction by agricultural heavy machinery and their effect on the yield of crops. I have the experience of working with Machine, tillage implements and their effect on soil physical and mechanical properties. Interested in the research of solar energy applications in an agricultural field.

## **5. RESEARCH CONDUCTED**

Impact of tillage implements combination on yield of corn.

Impact of tillage and soil compaction on yield of wheat and maize in cropping system.

Impact of tillage and mulching on yield of maize under semi arid environment.

Development of a silo for high in vitro digestible silage using biomass.

## **STUDENTS RESEARCH (Internship, Special Problem & Review)**

a Maintenance of tractor and tillage machinery in Malakandherra farm.

a. University of Agriculture Peshawar.

b. Produced M S student in the field of Agri : Mechanization. All were awarded gold medal in their M.S degrees..

c. Numerous supervisory duties in university examinations.

d. worked as hall superintendent in Swat college of IT affiliated to the university of Agriculture Peshawar, on IT Master and Bachelor examinations alone.

e. supervised number of study tours with students.

g. guided many students of other universities in their academic problems concerned

## **RESEARCH PROJECT**

**Development of a solar thermal heater for drying in water heating purposes on the newly developmental form of the University of Agriculture Peshawar for 2014 – 2016 cost of the project is 1 million**

## **STUDENTS SUPERVISED**

### **List of students M.Sc (hons) supervised**

1. Subhan ud Din
2. Inam Ullah
3. Saqib Khan
4. Mian Aamir Iqbal

### **P.hD Supervisory (Major Member)**

1. Muhammad Hanif

2. Subhan ud din
3. Rafi Uddin

**P.hD Supervisor.**

Inam Ul Haq

**SERVICE ACTIVITY**

Currently working as “Assistant Professor” since September 1st, 2004 at the Department of Agricultural Mechanization, K.P.K. University of Agriculture Peshawar. Present responsibilities include teaching, research and outreach activities. Students are supervised in their research activities and thesis writes up.

**Co- Curricular Activities**

1. Worked as a staff Procter since February 19 2000 to 2005..
2. Worked as focal person for student’s matters. Of the department.
3. Worked as hostel warden of class III Hostels.

**Seminars and work shops**

- 1 Attended one week work shop on “Issues and Challenges in Agricultural Education, and Research and Environment in the next millennium” held on August 25-29, 1999 at Bara Gali.SS
2. Attended two days Training course on “Climate Chang and its Impact on Food Security” 19<sup>th</sup> and 20<sup>th</sup> May, 2010.S
3. Attended two days work shop on Development of sustainable and collaborative Research networks.
4. Attended two days International symposium on Institutional Linkages for Agricultural Developments in Pakistan held at university of Agriculture Peshawar, December 20-21, 2010.
5. Attended three days work shop on “Poverty Alleviation through Sustainable Agriculture Development”. Held at Bara Gali on July 25\_27, 2002 at Bara Gali.
6. Attended 8 days International seminar on Trends and prospects of higher education in Pakistan.
7. Attended two days work shop on “Media and Science awareness in the Knowledge Society” held at Peshawar, September 5-6, 2006.

8. **Attended two days training on Project management at University of Agriculture Peshawar on 2<sup>nd</sup> and 3<sup>rd</sup> April, 2010.**

### **Hobbies.**

1. books reading
2. Gardening.

### **PUBLICATIONS**

1. 1995 Mansoor Khan Khattak and **Muhammad Ramzan.** Effect of different tillage impliments combinations on the yield of maize crop. Sarhad Journal of Agriculture Vol. 11, (2), 1995. pp 125-131
2. (2001 Sareer Ahmad Jan and **Muhammad Ramza.n.** Planting geometry in herbicides application, influence weeds rate and assimilate portioning of wheat. Pakistan Journal of Scientific Research 32nd. 53(3-4):95-100
3. 2000 Khalil. S. K, Zakria K. and **Muhammad Ramzan.** Plant geometry density, nitrogen and zinc effect of sweet corn. Pakistan Journal of Scientific Research 1(B); 105-107.
4. 2006 Khan, S., M. Idrees, K. Nawab, **M. Khattak** and **M. Ramzan.** The adoption of Modren 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
5. 2002 Raheem F, and **M. Ramzan.** Impact of Farm size in the adoption of Varieties. J. of Rural Development and Administration. Vol.xxxiv, No.1-4.
6. 2005 Khattak, M. K., M. Jamal Khan, M. Asrar, Said Wahab and **M. Ramzan.** Enhancement of Wheat Yield and Yield Components by Controlling weed with deep tillage practice under irrigated clay loam soil conditions. Pak. J. Weed Science. Res 11(3-4): 131-136.
7. 2006 Khan, S., M. Idress, K. Nawab, M. Khattak and **M. Ramzan.** The Adoption of Modern Agricultural Machnery: A Comparative Study of small, medium and large farmers n union council palosi, district Peshawar. Sarhad. J. of Agric. 22(2): 353 – 359.
8. 2012 **Ramzan M,** Gul Daraz khan, Muhammad Hanif, Shahid Ali, The effect of soil compaction on root length and yield of corn (Zea Mays) under irrigated condition. Middle East Juornal of scientific Research. 11(3) 382—385.
9. 2012 Hanif M, M Rahman, M Aamir, **M Ramzan,** M Amin, M Khan, M Pervez, and I A Mari. Recycling Home Scrap To Develop An Efficient Dish Type Solar Air

Heater For Drying Onions. American Journal of Agricultural Science Engineering and Technology. 1(3): 1-9.

10. 2012 Muhammad Hanif Khalil, Muhammad Aamir Khan, **Muhammad Ramzan**, Masood Ur Rahman, Maazullah Khan, Muhammad Amin and Akhtar Ali. **Drying of Apricots Using a Proficient Dish Type Solar Air Heater**. World Applied Sciences Journal. 18 (8): 1102-1106.
11. 2012 Hanif M, **M. Ramzan**, M. Rahman, M. Khan, M. Amin, and M. Aamir. Studying Power Output of PV Solar Panels at Different Temperatures and Tilt Angles. ISESCO JOURNAL of Science and Technology. 8(14): 9-12.
12. 2012 Muhammad Hanif, **Muhammad Ramzan** and Muhammad Aamir. Drying Of Grapes Using a Dish Type Solar Air Heater. Journal of Agricultural Research. 50 (3): 423- 43.
13. 2012 Farmanullah K., K. Ejaz, **M. Ramzan**, Z. Shah, Naveedullah, M. Sharif, M. Afzal and M.J. Khan. Extent of nutrient deficiencies and degradation of selected soil properties in water eroded soils of district Muzaffarabad (Azad Jammu and Kashmir), Pakistan. Sarhad J. Agric. 28(4): 571-578.
14. 2012 Farmanullah. K., Z. Hayat, W.Ahmad, **M. Ramzan**, Z.Shah, M.Sharif, M. Ishaq and M.Hanif. Effect of slope position on physio-chemical properties of eroded soil. J. Society of Soil Sci. Pak.
15. 2012 Rahamdad Khan,Muhammad Azim khan,Muhammad waqas,Muhammad Haroon,Zahid Hussain,Naeem Khan,Ikram Ullah,**Mohammad Ramzan**, and Sakib Bashir Bioherbicidal Activity of some winter weeds against some crops.
16. 2013 Subhan uddin, **M Ramzan**, M. Rahman, R Dad khan, M Waqas, and Ifitikhar ud Din Efficacy of tillage and mulching practices foe weed suppression and Maize yield under non irrigated condition.
17. 2013 Subhan ud Din, **Muhammad Ramzan**,Rahamdad Khan, Masood Ur Raahman, Muhammad Haroon, Taj Ali Khan, and Abdul Samad Impact of tillage and mulching practices on weed biomass and yield components of maize under rainfed condition
18. 2013. Muhammad Hanif,Masood Ur Rahman,Muhammad Amin, Mansoor Khan Khattak,**Muhammad Ramzan**,Subhan Ud Din and Khanzeb Khan Convective Drying and Mathematical Modeling of Onions Dried Using a Flat Plate Solar Air Heater.Pakistan Journal of Nutrition 12(11):1003-1007,2013

19. 2014 **Muhammad Ramzan**, Gul Daraz Khan Shad Khan Khalil Emergence in wheat as affected by different tillage implements and soil compaction. Sarhad J. Agric. Vol. 30, No.1, 2014
20. 2014 Gul Daraz Khan, **Muhammad Ramzan** Impact of selected soil Properties on emergence of Maize crop in Peshawar valley. Journal of Natural Sciences Research. 4 (7).
21. 2014. Raham dad Khan, Obaid ur Rahman, Ijaz Ahmad Khan Muhammad Haroon Muhammad Waqas, **Muhammad Ramzan**, Ijaz Ahmad, Subhan ud din. Suppression of some broad leaf weeds through herbicides and Pathenium Extract. Pak. J. Weed Science. 20(1): 51- 58.
22. M. Hanif., 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. J. Sci. Tech. Dev. 33(2): 12-19.
23. M. Hanif. M. K. Khattak, M. Rahman, S. S. Sher, 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. Sci. Tech. Dev. 33(3): 107-109.
24. M. Hanif, M. K. Khattak, M. Rahman, M. Aamir, M. Ramzan, M. Amin, M. Khan, and S. Shiekh. **2015**. Convective Drying of Chilies Using a Concentrating Solar Collector. Proce. Pak. Acad. Sci. 52 (2): 103–107.
25. M. Hanif, M. K. Khattak, 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. l) dried by a flat plate solar collector. Pak. J. Food Sci. 25(2): 66-70.
26. M. Hanif, M. K. Khattak, M. Rehman, M. Ramzan, M. Amin, M. Aamir, S.A. Ali, S. S. Sher, Hafizullah, S. Khan, M. Saeed, A. Khan and M. Saqlain. **2015**. Impact of Drying Methods and Extraction Solvents on the Steroidal Saponians Content of Tibullus terresteris Grown in the Peshawar Valley of Khyber Pakhtunkhwa, Pakistan. J. Sci. Tech. Dev. 34 (3): 140-146.
27. Muhammad Hanif., Mansoor K. Khattak, Masood U. Rehman, Muhammad Ramzan, Muhammad Amin, Muhammad Aamir, Shaiza S. Sher, Hafizullah, Saqib Khan, Muhammad Saeed, Abdullah Khan, and Muhammad Saqlain. **2015**. Effect of Drying Temperature and Natural Preservatives on Reducing Aflatoxins in Solar Dried Persimmon (Diospyros kaki L.). Proceedings of the Pakistan Academy of Sciences. 52 (4): 359–362.

28. Hanif., M. K. Khattak, M. Amin, M. Ramzan, S. Zakir, S. Ullah & Z. Khan. **2016**. Developing a flat plate solar collector for drying and water heating purposes. *J. Sains Malaysiana* 45(3): 489–497.
29. M, Hanif., M. K. Khattak, M. Ramzan, and Abdur Rab. **2018**. Energy, exergy and efficiency analysis of a flat plate solar collector. *J. Sains Malaysiana* 47(6): 1061-1067 .
30. Mansoor. K. K, Hanif. M\*, Maazullah. K, Muhammad. R and Abdurab. 2019. Comparison of drying process and preservatives on drying kinetics, texture and antioxidants retention in mulberry fruits. *The Journal of Animal and Plant Sci.* Vol. 29, P. 231-238.