

CURRICULUM VITAE



PERSONAL STATEMENT

- Self-learner having high adoptability and enjoys working as a team member; also able to work independently or with minimal. Excellent written and verbal communication skills in English, Urdu and Pashto and ability to communicate with diversified people of different levels having various backgrounds. Willingness to listen, appreciate to work with the most susceptible, gainer and marginalized people. **Outstanding Presenter recognition** in International Research Conference with the theme: Research: A Response to the Challenge of Globalization held at the Amigo Terrace Hotel, Iloilo City on February 27-29-2008 Philippines. **Appreciation Certificate from University of Illinois on February 19, 2016 at Urbana Champaign USA by sharing my Research, Appreciation Certificate for presentation** of the Conference Coordinator Olivier COLIN Heads of the European and International Affairs and **Excellent Award 2017** of Reviewing Science Domain International in recognition of an outstanding contribution to the quality of the Journal by Chief Managing Editor Dr. M. Basumondal. **Qualified for TTS Professor in 2014** through selection Board and Syndicate with excellent International reviewers' remarks by US Professors and Chairs of the departments in West Virginia and Ohio State Universities but not availed the TTS position.

2. PERSONAL INFORMATION

Name	Dr. Muhammad Zafarullah Khan
Father's Name:	Haji Muhammad Akbar Khan (Late)
Date of Birth:	20 th December 1966
Domicile:	Lakki Marwat (<i>Khyber Pakhtunkhwa</i>)
Nationality:	Pakistani
C.N.I.C. No:	17301-4565269-9
Religion:	Islam
Marital Status:	Married
Address	Professor Department of Agricultural Extension Education and Communication, The University of Agriculture Peshawar.

Phone No's

+92-91-9216891 (Office)

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EDUCATION

Institution/Board	Degree/ Certificate	Session	CGPA/ Marks
Asian Institute of Technology (AIT) Thailand	Post Doctorate	(2008-09)	
The University of Agriculture Peshawar	PhD (Agricultural Extension Education and Communication)	(2003-07)	3.98/4.00 (92.08%)
The University of Agriculture Peshawar	M.Sc (Hons) (Agricultural Extension Education and Communication)	(1990-92)	3.81/4.00 (78.0%)
Faculty of Agriculture Gomal University DI Khan	B.Sc (Hons) (Agronomy)	(1986-90)	678/900 (75.33%)
Board of Intermediate & Secondary Education Peshawar	F.Sc Pre Medical	(1984-86)	578/1100 (54.81%)
Board of Intermediate & Secondary Education Peshawar	SSC Science	(1984)	605/850 (71.17%)

PhD Dissertation Topic: An Investigation into Professional Competencies of Agricultural Extension Agents in NWFP (Now called *Khyber Pakhtunkhwa*)-Pakistan

M.Sc (Hons) Thesis Topic: Role of Farmer Interest Groups (FIGs) In the Adoption of Improved Technology in Malakand Agency NWFP (Now called *Khyber Pakhtunkhwa*) with PATA irrigation Project Netherland

SENIORITY WITHIN THE UNIVERSITY:

Employer	Designation	Duration
The Registrar, University of Agriculture Peshawar	Professor (BS-21)	30. 05. 2012-- ---till Date
The Registrar, University of Agriculture Peshawar	Associate Professor (BS-20)	29.12.2009 --- 29. 05. 2012
The Registrar, University of Agriculture Peshawar	Assistant Professor (BS-19)	01.01.2008 --- 28. 12. 2009
The Registrar, University of Agriculture Peshawar	Assistant Professor (BS-18)	01.01.2005 --- 31. 12. 2007
The Registrar, University of Agriculture Peshawar	Lecturer	16.07.1996 --- 31. 12. 2004
The Registrar, University of Agriculture Peshawar	Lecturer (Contract)	

Experience in Educational Administration:

- 1. Chairman Department of Agricultural Extension Education & Communication w.e.f. March, 03, 2010 till July, 07, 2013.** The University of Agriculture Peshawar, Pakistan.
- 2. Warden (Hostel-7) from 21st December, 1997 to 25th September, 1998** The University of Agriculture Peshawar, **Pakistan.**
- 3. A Warden (Hostel –7) from 1st May, 1994 to 20th December 1997.**
- 4. HEC approved Supervisor.**
- 5. MEMBER:** The Higher Education Commission-National Curriculum Revision Committee in Agricultural Extension Education and Communication at Graduate and Post Graduate level from 2000-2005.
- 6. MEMBER:** Various Scholarships including USAID Scholarship Committee.
- 7. Member of the Advisory committee of in Agricultural Extension and Rural Development of the University of Sargodha, Sargodha-Punjab.**
- 8. Capacity Building of Faculty and Staff of Higher Education Institutions Training Workshop on **Quality Assurance & Governance** by HEC, May 23-25, 2017**

TRAVEL AWARDS:

(15 National travel grant awards and 3 international travel awards)

- **1st PhD in the Faculty of Rural Social Sciences 2007.**
- **Travel grant Award to PHILIPPINES** by Higher Education Commission, Islamabad to present Research Paper on Assessment of the professional competencies of Agriculture officers in NWFP-Pakistan in the “International Conference on Challenges to globalization” West Visayas State University, Iloilo city, PHILIPPINES (29 Feb-02 Mar. **2008**).
- **International Swiss Award to SWITZERLAND** for International Course on Vocational Education & Teaching in agriculture (CIEA) in Switzerland at International Centre for Agricultural Education, SWITZERLAND (11-23/08/**2008**).
- **Travel grant Award to PHILIPPINES** by Higher Education Commission, Islamabad to present Research Paper on “Professionalism: Assessment of the professional competencies of Agriculture officers in NWFP-Pakistan” in the International Conference at de Davao University in Davao city, PHILIPPINES (24-25/08/**2008**).
- **Travel grant Award to THAILAND** by Higher Education Commission, Islamabad to present Research Paper in “International Conference on Innovations in Food Processing Technology and Engineering” Asian Institute of technology (AIT), THAILAND (19-20/01/**2009**).
- **Travel grant Award to FRANCE** by Higher Education Commission, Islamabad to present Research Paper in “**International Conference on Agricultural and Biological Sciences**” at Paris, FRANCE (28-30/07/**2010**).
- **Travel grant Award to MALAYESIA** by Higher Education Commission, Islamabad to present Research Paper on “Self Perceived Knowledge gaps of Pakistan’s Agricultural Extension Personnel in Audio Visual aids” in the **International Conference (AGREX, 10)** at Universiti Putra, MALAYESIA (26-28/10/ **2010**).
- **Travel grant Award to THAILAND** by Higher Education Commission, Islamabad to present Research Paper on “Knowledge of Livestock Management Skills of Agricultural Extension Agents in Khyber Pakhtunkhwa-Pakistan” in the International Conference at Suranaree University of Technology Nakhon, RATCHASIMA, THAILAND (26-29/7/ **2011**).
- **Travel grant Award to CROATIA** by Higher Education Commission, Islamabad to present Research Paper on “Knowledge Gap & Training Needs of Pakistan’s Agriculture Extension Agents in Agricultural Plant breeding and Genetics technology” in the International Conference at University of Zagreb, CROATIA (13-17/02/**2012**).
- **Travel grant Award to USA** by Higher Education Commission, Islamabad to present Research Paper on “Self Assessment of Pakistan's Agriculture Extension

Agents in Human Behavior/ Public Relation” in the International Conference on Sustainable Development at, USA (31.07-02 /8/**2012**).

- **Travel grant Award to JAPAN** by Higher Education Commission, Islamabad to present Research Paper on “Analysis of Farmer, Field Schools as a Tool of Capacity Building for Resource Poor Farmers in Khyber Pakhtunkhwa - Pakistan” in the International Conference on *Environmental, Cultural, Economic and Social Sustainability* at, JAPAN (23-25.01.2013).
- **Travel grant Award LATVIA** to by Higher Education Commission, Islamabad to present Research Paper on “Bridging the Knowledge Gap of Possessed and Required Professional Competencies of Pakistan’s Agriculture Officers” in the International Conference at Latvia University of Agriculture faculty of Economics, LATVIA (25-26/4/ 2013).
- **Travel grant Award to JAPAN** by Higher Education Commission, Islamabad to present Research Paper on “The Importance of Administration to Agriculture Extension Officers for Rural Development” in the International Conference at Economics and Social Sustainability at TOKYO, JAPAN (30-31/09/ 2013).
- **Post-Doctoral Fellowship Award for 1 Year to Asian Institute of Technology (AIT) THAILAND** under the supervision of Eminent Scholar Dr. Soparth Pongquan by Higher Education Commission, Islamabad 2008-09.
- **Travel grant Award to MALAYESIA** by Higher Education Commission, Islamabad to present Research Paper on “Environmental Management Awareness as Professional Competency of Agricultural Extension Officers for their Plans Implementation” in the International Conference at Centre of Post Graduate Studies International Islamic University College Selangor Bandar Seri Putra 43000 Kajang, Selangor Darul Ehsan, MALAYESIA (01-02/12/ 2014).
- **International Travel award by the Head of European and international Affairs for 38th** International Colloquium “ Innovation for Prevention” organized by Section of the International Social Security Association on Prevention in Agriculture on 12th – 14th October 2016, PARIS, FRANCE.
- **International Travel award to MALAYESIA by AGREX 17** to present Research Paper in the **International Conference (AGREX, 17)** organized by Universiti Putra, MALAYESIA (14-16/02/ **2017**).
- **Travel grant Award to Bosnia-Herzegovina** by Higher Education Commission, Islamabad to present Research Paper in the V111 International Agricultural Symposium Agrosym 2017 at Sarajevo Bosnia (05-08/10/ 2017).
- **Travel grant Award to Solo Indonesia** by Higher Education Commission, Islamabad to present Research Paper in the V111 International Conference on Climate Change 2018 at Surakarta, Indonesia (27-28/11/ 2018).

SPECIAL ACHIEVEMENTS:

- **1st PhD in the Faculty of Rural Social Sciences 2007.**
- **Outstanding Presenter recognition** in International Research Conference with the theme: Research: A Response to the Challenge of Globalization held at the Amigo Terrace Hotel, Iloilo City on February 27-29'2008 Philippines
- Chair the conference at “International Conference on Innovations in Food Processing Technology and Engineering” Asian Institute of technology (AIT), **THAILAND** (19-20/01/2009).
- **Qualified for TTS Professor in 2014** through selection Board and Syndicate with excellent remarks by **US Professors and Chairmen** of the departments in **West Virginia and Ohio State** Universities.
- **Appreciation Certificate from University of Illinois on February 19, 2016 at Urbana Champaign USA** by sharing my Research.
- **Appreciation Certificate of presentation in November, 2016** from the Conference Coordinator Olivier COLIN **Heads of the European and International Affairs.**
- Excellent Award 2017 of Reviewing Science Domain International in recognition of an outstanding contribution to the quality of the Journal by Chief Managing Editor Dr. M. Basumondal.
- Speaker to the 38th International colloquium of the International Section on Prevention in Agriculture of the International social Security Association 12th – 14th October **2016, PARIS, FRANCE.**
- Chair the conference at V111 International Agricultural Symposium Agrosym 2017 at Sarajevo **Bosnia (05-08/10/ 2017).**
- Speaker in the V111 International Conference on Climate Change 2018 at (27-28/11/ 2018), **Surakarta, Indonesia.**
- Attended Capacity building of Faculty and Staff of Higher Education Institutions on Quality Assurance and Governance (May 23-25) at **Higher Education Commission Islamabad Pakistan**

RESEARCH EXPERIENCE

Ongoing Project as PI:

An Assessment of Professional Competencies of Agricultural Extension Agents towards Poverty Alleviation through Agriculture in Khyber Pakhtunkhwa Funded by HEC: 2019 (Rs. Rs. 2,753,235 /- (two million seven hundred fifty three thousand two hundred thirty five)

- **Research Associate** with Provincially Administered Tribal Area (PATA) Integrated Agricultural Development Project on the role of Farmers Interest Groups (FIGs) in the

adoption of improved technology in Malakand Division during Rabi season of 1991 to 1992 sponsored by Government of Netherlands

- **Research Associate** and collected data from all the Seven agencies in Research Project entitled “Strengthening of Extension Activities in Federally Administered Tribal Areas (FATA)” Sponsored by Government of Khyber Pakhtunkhwa, Pakistan in 1993
- **Co-Principal Investigator** in Project on “ An Investigation into Professional Competencies of Extension Agents in NWFP under AUP- HEC for Rs. 2,00000/-
- **Principal Investigator** in Project on “Impact of farm services center approach on empowerment of farming community in Khyber Pakhtunkhwa- Pakistan by HEC for Rs. 17, 91255/ for two years.

LIST OF PhDs SCHOLARS SUPERVISED COMPLETED AS MAJOR SUPERVISOR

1. Role of Extension Services on Production of Sugarcane in district Mardan and Charsadda: Khyber Pakhtunkhwa-Pakistan by Faheem Khan November, 2015
2. Investigating Competency Level of Field Assistants for Agricultural Development in Khyber Pakhtunkhwa, May, 2019.

LIST OF PhD SCHOLARS SUPERVISED COMPLETED AS MAJOR MEMBER

1. **Perceptions and adaptation strategies of farmers regarding climate change in Baluchistan with special reference to Agricultural Extension activities.**
2. **Investigating into Health and Environmental hazards of Pesticides use to Farming community in Khyber Pakhtunkhwa Pakistan.**

LIST OF M.Phil SCHOLARS SUPERVISED

COMPLETED AS MAJOR SUPERVISOR

1. Contribution of Model Farm Services Centres in Promoting Peach Production in District Swat, 2019
2. The Effect of Farm Services Center Approach on selected vegetables’ yield in District Charsadda by Shah Saud Ahmad, 2017
3. The Role Farm Services center in Enhancing wheat production in Kurram Agency by Mohsin Ali, 2015

4. A study of the Role of Agricultural Extension Agents in Transfer of Onion Production Technology in District Swat, Khyber Pakhtunkhwa, Pakistan by Laila Khurshid, 2015
5. Constraints and gap analysis of Model Farm Services center's performance from farmers perspective in District Dera Ismail Khan by Rehmat Ullah, 2015
6. Analysis of Livestock Extension Services regarding Dairy Development in District Peshawar by Asif Nawaz, 2015.
7. Analysis of the Extent of Diffusion of Recommended Agricultural inputs of Public and Private Sectors in District Mansehra Khyber Pakhtunkhwa Province- Pakistan by Khawaja Jawad Manzoor, 2014.
8. An Analysis of Poultry Extension Services Provided by Strengthening Participatory Organization (SPO) in Disstt. Hattian: AJ&K by Aamir Khalid, 2013.
9. The Role of Agricultural Extension Services in Tomato Production in District Mansehra Khyber Pakhtunkhwa by Ahmad Abrar Khan, 2013.
10. Role of Agricultural Extension Services in Expansion of Date Palm Orchards in District D.I.Khan by Muhammad Mumtaz, 2013.
11. Effect of Farmers field School on Vegetables production and Technology adoption in District Peshawar, Khyber Pakhtunkhwa by Summera Abbasi, 2012
12. Need assessment of change agents with agricultural Extension Perspective in NWFP. (A case study of Peshawar, Abbotabad, and swat Districts) by Mubashar Habib 2007.
13. Role of extension Agents in the Diffusion of Onion and Tomato crops. (A case study of 4 selected villages of Union Council Skhakoat Malakand agency) by Safdar Zaman 2005.
14. The effect of community Management skills Training (CMST) provided by National Rural Support Program (NRSP) to CBO,s in District Mardan by Asif Khurshid 2005.
15. Impact of Tobacco Agencies Extension activities on the Productivity of Tobacco crop of Upper and Lower Swat canals command areas by Farooq Ali Khan 2001.
16. More than 60 students have been supervised in writing their review and Internship reports.

COMPLETED AS MEMBER SUPERVISORY COMMITTEE:

1. Job related constraints faced by working women in Rural Area of District Nowshera (A case study of Akbar Pura by Saira Naz Rural Development: 2012
2. Cost and revenue of wheat production in District Kohat by Arifullah department of Agricultural Economics. December 2012

RESEARCH PUBLICATIONS

IMPACT FACTOR JOURNALS:

1. Ayesha Khan, Urooba Pervaiz, Khalid Nawab and **Muhammad Zafarullah Khan**. **2017**. Information Sources as Tool for Solving Farmers Problems in Khyber Pakhtunkhwa (Pakistan) *J. Asian Dev. Stud*, Vol. 6, Issue 2 PP 6-14 . *Index Copernicus (IC Impact 5.81), Global Impact Factor (0.298)*
2. Tariq Shah, Jianping Tao, **Muhammad Zafarullah Khan**, Amjad Iqbal, Abdullah, Farooq Shah. **2017**. Analyzing the Performance of Member and Non-member Farming Community of Model Farm Services Center in District Dera Ismail Khan, Pakistan. *J. Appl. Environ. Biol. Sci.* 7(3): 220-229. ISSN: 2090-4274. (Impact Factor=0.702)
3. Faheem Khan, **Muhammad Zafarullah Khan**, Malcolm Wengener and Zelle Huma .**2016**. Association of Agricultural Machineries and Nitrogen Application with Sugarcane Crop at Selected Districts of Khyber Pakhtunkhwa Province: Pakistan. *Thai Journal of Agricultural Science* 2016, 49(2):27-39 *www.thaiagj.org*
4. Rehmatullah, Muhammad Zafar Ullah Khan, Kalimullah and Tahir Munir Butt. **2015**. Model Farm Services Center Approach: An Implication to Boost Farmer's Yield. *Agricultural Sciences* (6): 953-960. ISSN: 2156-8553. (Impact Factor = 0.73)
5. Wisal, S., J. Ullah, A. Zeb and Muhammad Zafarullah Khan (**2013**). Effect of Refrigeration Temperature, Sugar Concentration and Different Chemicals Preservatives on the Storage Stability of Strawberry Juice. *International Journal of Engineering & Technology IJET-IJENS* Vol: 13 No: 02: 160-168. ISSN: 2077-1185. (Impact Factor = 0.4462)
6. Qasim, M; Khan, Muhammad Zafarullah Khan.; Naz, A; and Khalid, S. (**2013**). An Insight of Ecosystem Capitals and Services of the Kaghan Valley: A Himalayan Region of Pakistan. *Natural Resources* Published Online June 2013 (<http://www.scirp.org/journal/nr>). Vol 4. No. 2: 163-169. ISSN: 2158-7086. (Impact Factor = 0.450)
7. Qasim, M; Khalid, S.; Naz, A.; Khan, Muhammad Zafarullah Khan and Khan, S.A., (**2013**). Effects of Different Planting Systems on Yield of Potato Crop in Kaghan Valley; a Mountainous Region of Pakistan. *Agricultural Sciences*. Vol. 4 No.4:175-179. ISSN 2156-8561 (Impact Factor=0.191)
<http://www.scirp.org/journal/PaperInformation.aspx?paperID=30754&#.Ut52yNKDpdg>
8. Muhammad Arif., Muhammad Tariq Jan, Muhammad Jamal Khan, Muhammad Saeed, Iqbal Munir, Zia Ud Din, Habib Akbar, Shaheen Shah and Muhammad Zafarullah Khan. (**2011**). Effect of Cropping System and Residue Management on Maize. *Pak. J. Bot.* 43 (2): 915-920. ISSN: 0556-3321. (Impact Factor = 0.93)
9. Naqibullah K., G. Hassan, K.B. Marwat, Farhatullah, M.B. Kumhhar, A. Perveen, U. Aiman, Muhammad Zafarullah Khan, and Z.A. Soomro. (**2009**). Diallel Analysis of some Quantitative Traits in *Gossypium Hirsutum L.* *Pak. J. Bot.* 41 (6):3009-3022. ISSN: 0556-3321. (Impact Factor = 0.93)

10. Naqibullah K., G. Hassan, K.B. Marwat, M.B. Kumbhar, I. Khan, Z.A Soomro, M.J. Baloch and Muhammad Zafarullah Khan, 2009. Legacy Study of Cotton Seed Traits in Upland Cotton using Griffing,s Combining ability model. Pak. J. Bot. 41 (1): 131-142. ISSN: 0556-3321. (Impact Factor = 0.93).

HEC RECOGNIZED JOURNALS:

1. Abdus Salam, **Muhammad Zafarullah Khan**. 2019 Farmers 'perceptions of ICT use regarding agricultural crops production in district Mansehra (A case study of Himalayan region, Khyber Pakhtunkhwa, Pakistan). International Journal of Biosciences [IJB] Vol. 15, No. 4, pp.289-295. ISSN: 2220-6655 (Print) 2222-5234 (Online), DOI: <http://dx.doi.org/10.12692/ijb/15.4.289-295>.
2. Ejaz Ashraf, Hafiz Khurram Sharjeel, Umar Mumtaz, **Muhammad Zafarullah Khan** and Abdul Naveed. 2019. Perception of Senior Farmers Regarding their Advisory Role in capacity building of Young Farmers in Sargodha District, Punjab , Pakistan. Sarhad Journal of Agriculture. 35(4): 1045-1053. DOI <http://dx.doi.org/10.17582/journal.sja/2019/35.4.1045.1053>
3. Abdus Salam, **Muhammad Zafarullah Khan**. 2019 Role of Information and Communication Technology in Sustainable Agricultural Production-A case study of Khyber Pakhtunkhwa, Pakistan. International Journal of Biosciences [IJB] Vol. 15, No. 3, pp.282-292. ISSN: 2220-6655 (Print) 2222-5234 (Online), DOI: <http://dx.doi.org/10.12692/ijb/15.3.282-292>
4. Arshad Farooq, **Muhammad Zafarullah Khan**, Abdul Hassan, Muhammad Ishaq, Asif Nawaz. 2019. Knowledge gap analysis of sugarcane growers in recommended sugarcane production technology in Khyber Pakhtunkhwa, Pakistan. International Journal of Biosciences [IJB] Vol. 15, No. 1, pp. 87-98. ISSN: 2220-6655 (Print), 2222-5234 (Online) DOI: <http://dx.doi.org/10.12692/ijb/15.1.87-98>
5. **Muhammad Zafarullah Khan**, Abdul Khaliq, Rahmatullah, Mehmmod Iqbal, Urooba Pervaiz, Ayesha Khan. 2019. Model farm service centers' contribution in enhancing peach production: evidence from remote areas of Northern Pakistan. International Journal of Biosciences [IJB] Vol. 15, No. 1, p. 302-309. ISSN: 2220-6655 (Print), 2222-5234 (Online) DOI: <http://dx.doi.org/10.12692/ijb/15.1.302-309>
6. Arshad Farooq and **Muhammad Zafarullah Khan**. 2019. Knowledge gap of Improved Management Practices of Sugar cane Growers in Khyber Pakhtunkhwa, Pakistan. Sarhad Journal of Agriculture. 35(2): 513-522. DOI | <http://dx.doi.org/10.17582/journal.sja/2019/35.2.523.531>
7. Faheem Khan, Malcolm Wegner and **Muhammad Zafarullah Khan**. 2018. Engagements with extension services by small-acreage sugarcane farmers in selected districts of Pakistan. Rural Extension and Innovation Systems Journal. 14(2) ISSN: print 2204-8757 ISSN: online 2204-8766.

<https://www.researchgate.net/publication/331481444> Engagement with extension services by small-acreage sugarcane farmers in selected districts of Pakistan

8. **Muhammad Zafarullah Khan**, Noor Paio Khan and Khalid Nawab. **2018**. Farmer's Perception of Climate Change and Adaptation in Khyber Pakhtunkhwa-Pakistan. Gontor AGROTECH Science Journal of Agriculture. 4(2): 107-124
DOI: <http://dx.doi.org/10.21111/agrotech.v4i2.2550>
9. Asif Nawaz and **Muhammad Zafarullah Khan**. **2018**. Climate Change Competencies Assessment of Field Assistants in Khyber Pakhtunkhwa, Pakistan. Sarhad Journal of Agriculture. 34(4): 924-931.
<http://dx.doi.org/10.17582/journal.sja/2018/34.4.924.931>
10. **Muhammad Zafarullah Khan**, Rehmatullah, Asif Nawaz and Ijaz Ashraf. **2018**. Farmer's Empowerment by Farm Services Centers: A Pedagogic Approach for Sustainable Development. Sarhad Journal of Agriculture. 34(2): 225-232.
DOI | <http://dx.doi.org/10.17582/journal.sja/2018/34.2.225.232>
11. **Muhammad Zafarullah Khan**. **2017**. Assessment of Extension Agents' Knowledge and Skills Regarding Pest Management in Khyber Pakhtunkhwa Province -Pakistan. AGROFOR International Journal. 2(2): 132-141. DOI: 10.7251/AGRENG1702132K
12. Rehmat Ullah, Kalim Ullah, Inam Ullah, **Muhammad Zafarullah Khan** and Asif Nawaz. **2017**. Field Assistants Impact on Agricultural Extension Activities: A Case Study of District Dera Ismail Khan, Khyber Pakhtunkhwa Pakistan. Pakistan Journal of Agriculture. 30(3): 287-293.
DOI | <http://dx.doi.org/10.17582/journal.pjar/2017.30.3.287.293>
13. **Muhammad Zafarullah Khan**, Shah Saud and Asif Nawaz. **2017**. To Study the Effectiveness of Farm Services Center Regarding Provision of Agricultural Inputs to its Member Farmers in Khyber Pakhtunkhwa, Pakistan. Sarhad Journal of Agriculture. 33(4): 519-525.
DOI | <http://dx.doi.org/10.17582/journal.sja/2017/33.4.519.525>
14. Faheem Khan, Muhammad Tahir Ali Shah and **Muhammad Zafarullah Khan**. **2017**. Role of Various Factors in Sugarcane Production in Selected Area of Khyber Pakhtunkhwa, Pakistan. Journal of Agriculture Research. 55(3): 577-584.
15. **Muhammad Zafarullah Khan**. **2017**. The Competencies regarding Administrative and Supervisory Role of the Agricultural Extension Officers in the Rural and Agricultural Development of Pakistan. Sarhad Journal of Agriculture. 33(3): 412-418.
DOI | <http://dx.doi.org/10.17582/journal.sja/2017/33.3.412.418>
16. Shah Saud Ahmad and **Muhammad Zafarullah Khan**. **2017**. Role of Farm Services Center regarding Empowerment of Vegetables Growers in District Charsadda. Sarhad Journal of Agriculture. 33(3): 377-384.
17. **Muhammad Zafarullah Khan**. **2017**. Feasibility Study for Strengthening Agricultural Mechanization Competencies of Agricultural Extension Officers of Khyber Pakhtunkhwa, Pakistan. Sarhad Journal of Agriculture. 33(2): 263-268.
18. **Muhammad Zafarullah Khan**, T. Shah, A. Nawaz, R. Ullah, I.U. Haq, A. Khattam and A. Rahman. **2017**. Farmers' empowerment under FSC approach regarding

selected agricultural inputs in Khyber Pakhtunkhwa, Pakistan. *Int. J. Agri. and Env Res.* 3(2): 250-259.

19. **Muhammad Zafarullah Khan**, Shah Saud Ahmad U. Pervaiz, and A. Nawaz. **2017**. Effect of farm services center approach on yield of selected vegetables in district Charsadda *Int. J. Agri. and Env Res.* 3(1): 56-71
20. Khurshid, L., **Muhammad Zafarullah Khan**, U. Pervaiz, A. Khan and A. Nawaz. **2017**. Role of agricultural extension agents in transfer of onion production technology in district Swat. *Int. J. Agri. and Env Res.* 3(1): 158-164.
21. **Muhammad Zafarullah Khan**, R. Ullah and A. Nawaz. **2016**. Agriculture trainings arranged by farm services centers and its impact on farmer's yield. *Int. J. Agri and Env. Res.*, 2(4): 309-318. ISSN 2414-8245.
22. Muhammad Zafarullah Khan, Asif Nawaz, Rehmat Ullah, and Mubashir Habib, **2016**. Assessment of Agricultural Biotechnology Competence and Training Needs of Agriculture Extension Officers in Khyber Pakhtunkhwa, Pakistan. *Asian Journal of Agricultural Extension, Economics & Sociology.* 13(3): 1-7. ISSN: 2320-7027
23. Asif Nawaz, **Muhammad Zafarullah Khan**, Abdur Rehman and Rehmat Ullah. **2016**. Descriptive Analysis of the Effectiveness of Livestock Extension Services Delivery among Dairy Farmers in District Peshawar. *Asian Journal of Agricultural Extension, Economics & Sociology.* 13(4): 1-6. ISSN: 2320-7027.
24. Rehmat Ullah, Kalim Ullah, **Muhammad Zafarullah Khan**, Iftikhar Ali, Fazal Yazdan Saleem and Yosuf Imran. **2016**. Agricultural Extension Activities; Emperical Evidence From District Lakki Marwat, Khyber Pakhtunkhwa, Pakistan. *Int. J. Agric. Appl. Sci.* Vol. 8, No.1: 101-107. ISSN: 2072-8409.
25. Rehmat Ullah, **Muhammad Zafarullah Khan** and Kalim Ullah. **2016**. Constraints and Gap Analysis of Model Farm Services Center. *Sarhad Journal of Agriculture*, 32(1): 29-30. ISSN: 1016-4383.
26. Fahim Khan and **Muhammad Zafarullah Khan**. **2015**. Role of Education in Enhancing Sugarcane Yield in Mardan and Charsadda Districts of Khyber Pakhtunkhwa Pakistan *Sarhad J. of Agric.* 31(2) 123-130. ISSN: 1016-4383.
27. Ahmad Abrar Khan, **Muhammad Zafarullah Khan**, Muhammad Mumtaz, Inamullah, Laila Khurshid, Muhammad Binyamin, Fazal Rabi and Nadia Bostan. **2015**. The Role of Agricultural Extension Services in Tomato Production in District Mansehra Khyber Pakhtunkhwa. *ARPN Journal of Agricultural and Biological Science.* 10 (5): 200-205. ISSN 1990-6145.
28. Fahim Khan and **Muhammad Zafarullah Khan**. **2015**. Weeds and weed control methods in sugar cane: A case study of Khyber Pakhtunkhwa Pakistan: *J. of Weed Sci. Res.* 21(2):217-228. ISSN: 1815-1094.
29. Rehmat Ullah, Kalim Ullah, **Muhammad Zafar Ullah Khan**, Sami Ullah, Fazal Yazdan Saleem and Shahid Iqbal Khttak. **2015**. An Insight of Pakistan's Bio-Statistical Proficiency in Plant Husbandry Sciences. *International journal of Agriculture and Applied Sciences*, 7(1): 14-19. ISSN: 2072-8409.

30. Rehmat Ullah, Kalim Ullah, **Muhammad Zafarullah Khan** and Inam Ullah. **2015**. Influence of Agricultural Extension Services and Farmers Socio-Economic Characteristics on Adoption of Date Palm (*Phoenix dactylifera* L.) in District Dera Ismail Khan, Pakistan. Journal of Resources Development and Management. Vol. 11:98-106. ISSN: 2422-8397.
31. Rehmat Ullah, Kalimullah and **Muhammad Zafar Ullah Khan**. **2014**. Extension Services and Technology Adoption of Date Palm (*Phoenix Dactylifera* L.) in District D.I. Khan. Pakistan Journal of Agriculture Research 27(2) 160-166. ISSN: 0251-0480.
32. Ihsan Mabood Qazi, Sudip Kumar, Theirry Tran, Javidullah and **Muhammad Zafar Ullah Khan**. **2014**. Impact of Blending Selected Tropical Straches on Pasting Properties of Rice Flour. Sarhad J. of Agric. 30(3) 357-368. ISSN: 1016-4383.
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