

## Dr. Zahid Hanif

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Address: Bungalow # 1 Bureau of Agriculture Information (BAI) Directorate of Agriculture Extension, opposite Islamia College, Peshawar, Khyber Pakhtunkhwa, Pakistan



### BRIEF PROFILE

A qualified professional, I hold a Doctor of Philosophy degree in Plant Biotechnology with focus on Plant Protection in the context of Invasive Weed Management from the **University of Queensland, Brisbane, Australia**, and bring over 20 years of proven expertise in the field of agriculture. My specialization includes weed sciences particularly invasive weed management, biotechnology / molecular biology, climate change, plant protection, integrated pest management (IPM), biological control of pests, and extension of modern agricultural technology for adoption in the farming community. I have been involved in the formation of Water User Associations (WUA), emphasizing climate change adaptation and resilience. Functioning as an extension worker, I have successfully disseminated cutting-edge agricultural technology to the farming community through various channels, including workshops, seminars, field days, and Farmer Field Schools (FFS), including involvement of print, electronic and social medias with a primary focus on climate-smart agricultural practices. Additionally, I have played a key role in educating students pursuing a Diploma in Agriculture Sciences (DAS) on the critical aspects of Plant Protection, Farm Management & Irrigation Agronomy. My skill set extends to project formulation, design, implementation, and the monitoring of physical activities at the field level. I have a proven ability to establish and maintain effective engagement with stakeholders, including both government and non-government organizations. Possess excellent skills in MS office, report writing and fluent in **English**, Urdu, and Pashto.

#### Key Skills:

- ✓ Molecularization characterization of weeds, fruits, vegetables, cereals, and cash crops for different purposes.
- ✓ Implementing biological pest control strategies to enhance the effectiveness of crop pest management with particular focus on pasture management & restoration through competitive plant species.
- ✓ implementing strategy regarding pesticides & fertilizers regulatory function including licensing and quality control.
- ✓ Predicting & advocating climate changes under futuristic scenarios and their possible impacts under different ecological interaction regime.
- ✓ As an extension worker, providing education and training to students and farmers on the principles of agricultural extension services.
- ✓ Vigilantly supervising the activities of developmental projects and skillfully crafting comprehensive reports.

### PROFESSIONAL EXPERIENCES

**Director Bureau of Agricultural Information (BPS-19); Directorate of Agriculture Extension Department Khyber Pakhtunkhwa Pakistan.**

**Duration: January 2026 to date**

**Key Responsibilities & Achievements:**

- Strategize, manage, coordinate, and monitor all planned activities regarding agricultural sector with special focus on print, electronic and social media flatworms effectively and successfully accomplished all tasks assigned in Annual Developmental Projects (ADP) and donor-funded agricultural initiatives aimed at enhancing and improving agriculture extension services through ICT interventions, increasing productivity, ensuring food security, and elevating the living standards of farmers in the Khyber Pakhtunkhwa province.
- Formulate the Annual Implementation Program (AIP) in alignment with financial provisions on needful basis and successfully dispersed subsidies to the selected farming community via Kissan Cards digitally.
- Thoroughly scrutinize, process, and seek approval for radio, TV and social media talks on the specialized topics and successfully completed all activities as per approved schedule.
- Conduct regular monitoring and evaluation of both financial and physical progress, promptly identifying and addressing bottlenecks.
- Submit detailed quarterly, monthly, and annual progress reports to the relevant offices.

**Director Plant Protection HQ (BPS-19); Directorate of Agriculture Extension Department Khyber Pakhtunkhwa Pakistan.**

**Duration: May 2025 to December 2025**

**Key Responsibilities & Achievements:**

- Assist the Additional Director General (ADG) in Regulatory Functions enforcement including Registration of firms / distributors/ manufacturers under the relevant rules pertaining to pesticides and fertilizers within the provincial jurisdiction.
- Assist ADG (PP) in Coordination and Policy level support at provincial and federal level to ensure food safety and security on a number of occasions.
- Assist the ADG (PP) in Supervision of Pest / Disease surveillance and Plant Protection related activities for timely and efficient.
- Consolidation and preparation of Monthly plant protection activities Report at provincial level for compliance and necessary action (if required)
- In the realm of precision agriculture, drones have been effectively deployed for pest surveys and pesticide spray applications, accompanied by comprehensive training sessions provided to field officers and officials to ensure proficient utilization.
- Regularly worked with Provincial Disaster Risk Management Authority (PDMA) in preparation of contingency plans, at the time of extreme weather conditions like excessive rain, flood, hailstorm, drought, earthquake, and other climate change related issues.

**Director Horticulture HQ (BPS-19); Directorate of Agriculture Extension Department Khyber Pakhtunkhwa Pakistan.**

**Duration: July 2022 to April 2025**

**Key Responsibilities**

- Coordinated and supervised / monitored all the horticulture related activities within the province and formulated all relevant action plans for Horticultural Development on seasonal basis within the province by establishing successful liaison with all relevant stakeholders.
- Supervised all the Fruits Nurseries Farms located in different districts in Khyber Pakhtunkhwa, their routine activities and produced more than two hundred thousand certified fruit saplings.
- Represented Director General Agriculture Khyber Pakhtunkhwa on various forums like Tasks Force on Fruits & Vegetables as a lead member both at Provincial and National level.

- Worked as Focal Person with the Pakistan Horticulture Export Development Company (PHDEC) to assess in drafting of Export Policy on G-1 Garlic, and submitted inputs for improvement of the policy with special focus on ground realities of Khyber Pakhtunkhwa.
- Worked as Focal Person with the Pakistan Horticulture Export Development Company (PHDEC) to assess in drafting of Export Policy regarding potential horticultural, and submitted inputs for improvement of the policy with special focus on ground realities of Khyber Pakhtunkhwa.
- Being provincial Director Horticulture at headquarter, assisted the Project In-charge/Project Director of the allied projects to horticultural in Khyber Pakhtunkhwa like “Climate Resilience through Horticultural Intervention & Command Areas Development Project” on a number of occasions.
- Effectively managed the tendering process for diverse procurements, including seed transportation, tele facilitation services, and biofertilizers
- . Served as a member of the technical and financial committee for the tender, successfully navigating the complexities of bid evaluations and contributing to the selection of suppliers.

**Senior Instructor (BPS-18) Agriculture Services Academy (ASA) (formerly Agriculture Training Institute) Department of Agriculture Extension Khyber Pakhtunkhwa Peshawar Pakistan.**

***Assignment: Teaching of Plant Protection, Irrigation Agronomy & Farm Management subjects to the students of Diploma in Agriculture Sciences (DAS)***

**Duration: April 2021 to July 2022**

**Key Responsibilities:**

- Instructing Plant Protection, Irrigation Agronomy & Farm Management subjects to Diploma in Agricultural Sciences (DAS) and effectively guided students of the Diploma in Agricultural Sciences (DAS) curriculum, ensuring their comprehensive understanding and practical application of the knowledge for crop management.
- Contributing to the development and improvement of training curricula and proposed the inclusion of new courses in the curriculum to address the challenges posed by the climate change scenario, ICT based extension services, vertical farming and organic farming practices.
- Organized a fruitful two-week study tour and exposure visit for Diploma in Agricultural Sciences (DAS) students to Punjab province & also organized several intra provincial study tours/ exposures visits programs to various Research Institutes of KP province.
- Providing career counseling and guidance for students regarding future employment opportunities.
- Successfully designed executed and reported training on climate smart agricultural practices to the farming community of Northern Waziristan, Khyber Pakhtunkhwa, Pakistan funded by Islamic Relief-Pakistan
- Executed duties as Public Information Officer (PIO) ASA Peshawar and under the e-Right to Information (RTI) act and provided information to any of the applicant who ever asked for as per rules.
- Acting as Assistant Hostel Superintendent/Warden, overseeing day-to-day operations of hostel or dormitory facilities, and ensuring a safe, supportive, and conducive living environment for students.
- Submitting monthly progress reports and compiling minutes of meetings. Consistently prepared and submitted monthly minutes of meetings reports to the Principal ASA for

circulation and further necessary action. Furthermore, supported the Principal ASA in handling routine office work and managing other office correspondence.

**Subject Matter Specialist Agronomy / Horticulture (BPS-18); Districts Kohat, Karak and Peshawar in Agriculture Extension Department Khyber Pakhtunkhwa Pakistan.**

**Duration: July 2016 to April 2021**

**Key Responsibilities**

- Coordinated and supervised / monitored all the agronomic and horticulture related activities within the district jurisdiction and formulated all relevant action plans for Agronomic as well Horticultural Development on seasonal basis within the district by establishing successful liaison with all relevant stakeholders.
- Supervised all the certified seed producing farms as well as Fruits Nurseries Farms located within the districts, their routine activities and produced & distributed certified wheat seed and fruit saplings to the needy farmers of the relevant district
- Represented District Director Agricultural Extension on various forums both at Provincial and National level.
- Successfully organized farming community and different wings of the provincial agricultural departments under single umbrellas of the Model Farm Services Centre (MFSC) for one window operation with aim to empower them to discuss and resolve their issues accordingly and ensure timely supply of essential agri-based inputs like seed, fertilizer, pesticides and machineries etc.
- Worked as Focal Person Public Sector Development Program (PSDP) titled “Productivity Enhancement of Wheat / Rice / Sugarcane / Oil Seed crops in KP” and effectively focused on enhancing the productivity of these crops in the KP province to ensure food security of the province.
- Performed duties as Co-Administrator of Peshawar Market Committee (PMC) and assisted in controlling the quantity and quality including the auction of fruits & vegetables to be available in the main centralized huge market of the Metropolitan city, Peshawar

**Agriculture Officer (BPS-17) Department of Agriculture Extension Khyber Pakhtunkhwa Peshawar Pakistan**

**Duration: March 2006 to August 2016**

**Key Responsibilities & Achievements:**

- Actively disseminating cutting-edge agricultural technology directly to the farming community, ensuring accessibility and promoting the adoption of innovative practices at their doorstep.
- Organizing workshops, seminars, field days, and farmer field schools (FFS), along with setting up demonstrations to raise awareness and encourage the adaptation of new technologies.
- Serving as a facilitator in the Farm Services Center (FSC), ensuring the provision of quality agricultural inputs (certified seed, fertilizers, pesticides etc.) and machinery to registered growers at controlled rates.

- Educating farmers on the balanced use of organic and synthetic fertilizers, botanicals and biopesticides, promoting awareness about organic farming, compost preparation and fermenter technology.
- Introduction of off seasonal tunnel farming practices through walking tunnels for vegetables i.e., cucumber, tomato, bitter gourd, and chilies.
- Advocating for organic urban farming and raising awareness about the judicious use of pesticides.
- Regulating market quality control regarding fertilizers, seeds and pesticides.
- Field adaptive trails of biofertilizers i.e., Trichoderma Specie application in cereals, vegetables, and orchards for improving soil fertility and nutrients availability.
- Conducting regular pest scouting and monitoring, reporting findings to higher authorities.
- Focal Person for parthenium weed control cell at District Karak and Lunched various awareness campaigns for the identification, hazards and control of parthenium weed in district Karak
- Compiling monthly minutes of meetings at the district level.

**Research Fellow (Project Based) “Wheat Improvement through DNA based Markers Assisted Selection” at Institute of Biotechnology & Genetic Engineering (IBGE), the University of Agriculture KP Peshawar from January to March, 2006.**

**Key Responsibilities & Achievements:**

- Conduct extensive research regarding transformation of three different types of genes from wild grass origin into existing cultivated wheat varieties with aim to insert rust resistance
- Cultivation of germplasm in Glasshouse followed by DNA extraction
- Screening of the germplasm through PCR via different markers
- Crossing of different desired cultivars of wheat to insert rust resistance
- Data collection, analysis, interpretation and submission of report to the Principal Investigator of the project concerned

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**EDUCATIONAL QUALIFICATIONS**

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**Doctor of Philosophy (Plant Biotechnology) (2014)**  
The University of the Queensland, Brisbane, Australia

**M. Phil (Biotechnology & Genetic Engineering) (2006) CGPA 3.87/4.00**  
The University of Agriculture Peshawar, Pakistan

**BSc (Hons) (Weed Sciences) (2004) CGPA 3.92/4.00**  
The University of Agriculture Peshawar, Pakistan

**\*\*PHD THESIS TITLE " CHARAZTERIZATION OF GENETIC DIVERSITY & INVASIVE POTENTIAL OF PARTHENIUM WEED IN AUSTRALIA)".**

**\*M. PHIL THESIS TITLE" CHARACTERIZATION OF GENETIC DIVERSITY OF AVENA SPECIES ECOTYPES IN NWFP-PAKISTAN”.**

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**EXECUTED MISCLINIOUS TASKS IN DIFFERENT DEVELOPMENTAL**

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## PROJECTS FROM TIME TO TIME DURING SERVICE CARRIER

S.No	Name of Projects	Cost (million)
1.	Tele-Farming & Digital Services Platform under Agriculture Transformation Plan (ADP)	2320.482
2.	ICT Based improvement in Agriculture Extension Services in Khyber Pakhtunkhwa under Agriculture Transformation Plan (ADP)	2000.000
3.	Soil Fertility Mapping of Khyber Pakhtunkhwa under Agriculture Transformation Plan (ADP)	603.828
4.	Wheat Productivity Enhancement Project in Khyber Pakhtunkhwa (PSDP)	2118.967
5.	Productivity Enhancement of Rice in potential areas of Khyber Pakhtunkhwa (PSDP)	331.097
6.	Productivity Enhancement of Sugarcane in Khyber Pakhtunkhwa (PSDP)	421.210
7.	National Oil Seed Enhancement Program in Khyber Pakhtunkhwa (PSDP)	514.440
8.	Strengthening & Improvement of Government Fruit Nursery Farm (ADP)	59.700
9.	Climate Resilience Through Horticultural Interventions in Khyber Pakhtunkhwa (NDRMF-MoCC) (World Bank Assisted Project)	2899.672

## RESEARCH PROFILE

### RESEARCH PUBLICATIONS

1. N Khan, D George, A. Shabbir, **Z Hanif** and S. W Adkins. Rising CO<sub>2</sub> can alter fodder-weed interactions and suppression of *Parthenium Hysterophorus*. 2014. Published in Weeds Research. 55(2):113-117. ISSN 431737-3653180.
2. S.W. Adkins, C O'donnell, N Khan, T Nguyen, I Khan, A Shabbir, K Dhileepan, D George, **Z Hanif**, R Toh, A Belgeri Garcia, S Navie, L Strathie, A Mcconnachie, L Nigatu, G Hassan, G Nasim, W Mersie. Towards The Sustainable Management of Parthenium Weed (*Parthenium Hysterophorus* L.) under a Changing Climate: An International Collaborative Approach. 2011. Phytopathology. 101 (6); S238-S238. ISSN 0031-949x.
3. Boyang Shi, **Z. Hanif** and Steve Adkins. The Allelopathic Nature of Parthenium Weed Leaf Litter: Will this Change under a Changed Climate of CO<sub>2</sub> Enrichment? 25<sup>rd</sup> Asian Pacific Weeds Science Weed Science Conference, Hyderabad, India. 13-16 October 2015. Pp 77.
4. N. Khan, **Z. Hanif**, I.A. Khan, K. Naveed, A. Shabbir and S.W. Adkins. Root Growth Response of Parthenium Weed and Different Pasture Plants under Elevated Carbon Dioxide. 2018. Journal of the National Science Foundation of Sri Lanka. 46(3): 303-310. eISSN 2362-0161.
5. Asad Shabbir, Kunjithapatham Dhileepan, Myron P Zalucki, Chris O Donnell, Naem Khan, **Zahid Hanif** and Steve W. Adkins. The Combined Effect of Biological Control with Plant

- Competition on the Management of Parthenium weed. 2015. *Pakistan Journal of Botany*. 47(Si): 157-159. ISSN 0556-3321.
6. **Zahid Hanif**, Zahoor A. Swati, Imtiaz Khan, Gul Hassan, K. B. Marwat, Sabz Ali and M. Ishfaq Khan. 2019. RAPD and SSR analysis of Wild Oats Ecotypes (*Avena* Species) from North West Frontier Province of Pakistan. *International Journal of Plant Breeding and Genetics*. Vol. 6 (5): 001-007. ISSN 1819-3595.
  7. Sabaz Ali Khan, **Zahid Hanif** , Usman Irshad , Rafiq Ahmad , Muhammad Yasin , Muhammad Fayyaz Chaudhary , Amber Afroz , Muhammad Tariq Javed , Umer Rashid and Hamid Rashid. Genetic Transformation of Sugarcane Variety HSF-240 with Marker Gene Gus. 2014. *International Journal of Agriculture & Biology*. 15: 1258–1264. ISSN Print: 2522–6584; ISSN Online: 1560–8530.
  8. Hamid Rashid, Sabaz Ali Khan, Muuhammad Zia, M. Fayyaz Chaudhry , **Zahid Hanif** and Zubeda Chaudhry. Callus Induction and Regeneration in Elite Sugarcane Cultivar Hsf-240. 2009. *Pakistan Journal Botany*. 41(4): 1645-1649. ISSN 0556-3321.
  9. Muhammad Jamal Khan, Muhammad Rashid, Shamsheer Ali, Inayat Khattak. Shahida Naveed and **Zahid Hanif**. Mapping of Variability in major and micronutrients for Site Specific Nutrient Management. 2014. *International Journal of Plant and Soil Sciences*. 3(3): Xx-Xx, 2014; Article No. Ijps.008. Sciencedomain International ([Www.Sciencedomain.Org](http://www.Sciencedomain.Org)).
  10. **Zahid Hanif**, Steve W. Adkins, Peter J. Prentis, Sheldon C. Navie and Chris O'donnell. Characterization of the Reproductive Behaviour and Invasive Potential Of Parthenium Weed In Australia. 2011. 23<sup>rd</sup> Asian Pacific Weeds Science Weed Science Conference, Sebels Cairns, Australia. 25-30 September 2011, Vol 2. Published In *Pakistan Journal of Weed Science Research*. Vol 18767-776. 2012. 157-159. ISSN 2225-7942.
  11. Imtiaz Khan, Muhammad Ashfaq Khan, Muhammad Saeed, **Zahid Hanif**, Shah Masaud Khan and Murad Ali. Weed Management in Maize through different control strategies. 2016. Published in *Pakistan Journal of Weed Sciences Research*. 2016. ISSN 2225-7942.
  12. S. W. Adkins, Z. Hanif & Others. 2015. Biology, Ecology and Management of Parthenium Weed. 2015. 25<sup>th</sup> Asian Pacific Weeds Science Weed Science Conference, Hyderabad, India. 13-16 October 2015. Pp 136-151, Vol 1.
  13. Khalid Iqbal, Sulaiman M, Imtiaz Khan, Khan I. A, Khan M. I. and **Zahid Hanif**. The Effect and Cost Benefit of Different Weeding Methods on the yield of Chick Pea under Agro-Climatic Conditions of District Karak. 2010. *Pak. J. Weed Sci Res*. 16 (4): 431-442. ISSN 2225-7942.

14. Gul Hassan, **Zahid Hanif**, Mehboob-Ul-Lateef, Muhammad Ishfaq Khan and Sabz Ali Khan. Tolerance of *Avena fatua* and *Phalaris Minor* to Some Graminicides. Pak. J. Weed Sci. Res. 11 (1-2): 69-73, 2005. ISSN 1815-2225-7942.
15. **Zahid Hanif**, Sabz Ali Khan, Khan Bahadar Marwat, Ijaz Ahmad Khan and Ikramullah. Important Weeds of Wheat Crop of Malakandher Farm, NWFP Agricultural University. Pak. J. Weed Sci. Res. 10(3-4): 109-112, 2004. ISSN 1815-1094.
16. Khan Bahadar Marwat, Ijaz Ahmad Khan, **Zahid Hanif** and Muhammad Ishfaq Khan. Efficacy of Different Herbicides for Controlling Grassy Weeds in Chickpea. Pak. J. of Weed Sci. Res. 10 (3-4):139-144' ISSN 2225-7942.
17. **Z. Hanif**. Review Paper on "Development of Herbicide Resistance in Transgenic Crops. Submitted to the KP, Agricultural University Peshawar for Partial Fulfillment as B.Sc (Hons) Degree Requirement, 2003.
18. **Z. Hanif**. Review Paper on "Cuscuta Species (Dodder) Control in Leguminous Crops. Submitted to the KP, Agricultural University Peshawar for Partial Fulfillment as B.Sc (Hons) Degree Requirement, 2003.

#### PARTICIPATION IN INTERNATIONAL CONGRESS/CONFERENCE

1. 4<sup>th</sup> International Weed Science Conference 06-08 September, 2012 held at KP Agricultural University Peshawar Pakistan.
2. 23<sup>rd</sup> Asian Pacific Weeds Science Weed Science Conference 25-30 September 2011 held at Sebel Carins, Australia.
3. 22<sup>nd</sup> Asian Pacific Weeds Science Weed Science Conference 08-12 March 2010 held at the University of Punjab Lahore Pakistan.
4. 6<sup>th</sup> National Weed Science Conference 28-30 March, 2005 held at KP Agricultural University Peshawar Pakistan.
5. 1<sup>st</sup> International Weed Science Conference 23-25 October, 2003 held at KP Agricultural University Peshawar Pakistan.

#### RESEARCH OUTCOMES

- Research articles published in peer reviewed journals: 17
- RG score on Research Gate: **65.4**
- Reads on Research Gate: 3565
- Items on Research Gate: 19
- Research Gate Citations: 111

- Total research interest Score: 68.1
- Items on Google scholar: 18
- Google Scholar Citations: 173
- h-index 08
- i10-inex 08

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[zahid hanif | LinkedIn](#)

<https://www.researchgate.net/profile/Zahid-Hanif-4>

## ACADEMIC DISTINCTIONS, HONOURS AND AWARDS

- Obtained Presidents of Pakistan Award 2004 from Agricultural University, Peshawar.
- Awarded with University of Queensland Research Scholarship (UQRS) and University of Queensland International Tuition Awards (UQIRTA) by Govt. of Australia for completion of PhD Program (2009-2013) and have successfully completed my doctoral study from The University of Queensland Brisbane St Lucia campus Australia.
- Medalist for obtaining 2<sup>nd</sup> position overall at university of Agriculture Peshawar level.
- 1<sup>st</sup> position Holder Department of Weed Sciences.
- Obtained 2<sup>nd</sup> position in SSC Examination in the Govt; High School Mitha Khel.
- Awarded with University of Queensland Research Scholarship (UQRS) and University of Queensland International Tuition Awards (UQIRTA) by Govt of Australia for completion of PhD Program (2009-2013).
- Awarded Scholarship by Higher Education Commission of Pakistan for completion of M. Phil Program (2004-2006).
- Awarded with Travel Award by “Kirkhouse Trust” of England for attending 22<sup>nd</sup> Asian Pacific Weeds Science Weed Science Conference.
- Awarded with Travel Award by “International Weed Science Society” for attending 23<sup>rd</sup> Asian Pacific Weeds Science Weed Science Conference.
- Awarded with cash prize of Rs. 5000 for best oral research paper presentation as under-grade student during 1<sup>st</sup> International Weed Science Conference 23-25 October, 2003.
- Merit scholarship holder for 4 years at BSc (Hons) level, The Agricultural University Peshawar.
- HEC scholarship holder at M. Phil level, IBGE Agricultural University Peshawar.

## MEMBERSHIPS

- Member of the Weed Science Society of Pakistan. It publishes PAKISTAN JOURNAL OF WEED SCIENCES RESEARCH having ISSN print No 2225-7942.
- Focal Person of the project titled “Community Based Drone Project for Climate Resilient Agriculture”, 2024 at funded by GIZ & implemented by MS Worldwide to support the flood affected farming community of the District Nowshera KP-Pakistan in building resilience to climate change and climate related risks since August 2023.
- Focal Person of the project titled “Community Based Drone Project for Climate Resilient Agriculture”, 2024 at funded by Helvetas & implemented by FRD to support the flood the

vegetable growers in different eight union councils of the District Peshawar KP-Pakistan in building resilience to climate change and climate related risks in 2023.

- Focal Person of the project titled “Strategic Collaboration in the Areas of Livelihoods, Agricultural Skills Development, and Resilience Building for Afghan Refugees and Host Communities in Khyber Pakhtunkhwa. 2025-26.

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**WORKED AS HR CONSULTANT / RESOUCÉ PERSON TO RECURTE  
AGRICULTURAL OFFICER FOR AGRICULTURE DEPARTMENT OF KP PAKISTAN**

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1. “Interviewed more than three thousand candidates to select 213 Agricultural Officers under a Project titled “ICT based improvement in Agriculture at KP” from 01 October to 07 November, 2022 at Agricultural Extension Department, Peshawar, Pakistan.
2. “Interviewed 350 candidates to select 50 Agricultural Officers on permanent basis from 02 October to 15<sup>th</sup> November, 2023 at Public Service Commission of KP, Peshawar, Pakistan.

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**PROFESSIONAL TRAININGS IMPARTED**

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1. As a Master trainer, delivered a complete three days raining course on "Tunnel Faring & Management” to the officers of Agricultural Extension Department-KP in joint collaboration with Helvetas Germany and Foundation for Rural Development “at Agricultural Services Academy, Peshawar on dated 22-24 May 2024.
2. Delivered a presentation on "Climate Change & Climate Smart Agriculture Practices” in one day training for the farmers of the of the Districts Peshawar and Khyber at Agricultural Services Academy under the capacity building component of the project “Climate Resilience through Horticultural Intervention in KP” on dated 18-05-2023.
3. Delivered a multimedia presentation /lecture on " Weeds identification, classification and their integrated management tactics " in five days training course to the field staff of district North Waziristan, organized by Agriculture Services Academy Peshawar and Funded by Islamic Relief (IR) of Pakistan at Agriculture University, Peshawar from dated 13<sup>th</sup> to 17<sup>th</sup> June 2022.
4. Delivered a multimedia presentation /lecture on " Climate Change, Global Warming, Green House Gases & Consequences " in five days training course on to the field staff of district North Waziristan, organized by Agriculture Services Academy Peshawar and Funded by Islamic Relief (IR) of Pakistan at Agriculture University, Peshawar from dated 13<sup>th</sup> to 17<sup>th</sup> June 2022.
5. Delivered a multimedia presentation /lecture on " Water, Irrigation Systems and their efficient utilization" in five days training course on to the field staff of district North Waziristan, organized by Agriculture Services Academy Peshawar and Funded by Islamic Relief (IR) of Pakistan at Agriculture University, Peshawar from dated 13<sup>th</sup> to 17<sup>th</sup> June 2022.
6. Delivered presentation on "Weeds identification, classification and management tactics" of district Khyber on June16, 2022 in two days training on "Pesticides Safe Handling & Business" at Agriculture Services Academy, Peshawar from dated July 15-16<sup>th</sup> 2022.
7. Delivered presentation on "Pesticide’s labeling, packing under pesticides Act and Toxicity Rating of Pesticides" of district Khyber on June12, 2021 in two days training on "Pesticides

Safe Handling & Business" at Agriculture Services Academy, Peshawar from dated October 12-13<sup>th</sup> 2021.

8. Delivered two different presentations on "Dormant management in Orchards and Integrated Control of Fruit Fly" during two days training under the project Sustainable development of Agriculture in KP. District Karak from dated July 24-25<sup>th</sup> 2015.
9. Delivered presentation on "Invasive Weeds & their Management" on Sep12, 2014 during a training session for academic staff and students of Agricultural University Peshawar.
10. Delivered presentation on "Off season vegetables" in two days training for the Research and Field Staff of Rain-fed Research Center" at District Kohat in August, 2008.
11. Delivered presentation on "Weed Management & Kitchen Gardening" in two days training for the domestic women of District Swabi" at Town Hall Swabi from dated July 21-22<sup>th</sup> 2008.

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### **PROFESSIONAL TRAININGS ATTENDEED**

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1. "Agricultural Extension and Rural Development", from 12 – 16 March, 2007 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.
2. Integrated Management of Fruit Fly and Termites from 28-31 May, 2007 at Agricultural Extension Department, Peshawar.
3. Communication Skills for Agricultural Extension from 4-6 September, 2007 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.
4. Establishment & dissemination of Fermentation Technology for organic farming in KPK on 04.06.2014 at DDA Office Bannu.
5. Awareness Teaching & Training on Weed Management Techniques for farmers, faculty members, students & researchers across KPK from 11-12 September 2014 at KPK Agriculture University Peshawar.
6. Effective communication skills from 25-27 March 2014 at Pakistan Rural Academy for Rural Development (PARD) Peshawar Pakistan.
7. Skill enhancement of Rural Artisan from 12-15 September 2006 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.
8. Ethics at work from 26-27 September 2006 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.
9. Functional English from 16-28 Feb 2009 at Secretariat Training Institute (STI), Islamabad.
10. Negotiation & communication skill from 7-9 July 2008 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.

11. Short term training course on Social Mobilization, HR, FFS, Marketing, and Business Dev: Credit, Accounts & Transfer of Technology from 24-25 July 2008 organized by Crop Maximization Project (CMP-II), Peshawar.
12. Training on Orchard Management from 24-25 March, 2015 at Tarnab Farm Peshawar under project Sustainable Agricultural Development for Food Security through Integrated approaches in KP.
13. Training of District Officials on Budgeting from 8-9 March, 2016 at Town Hall District Karak organized by Deputy Commissioner Karak under Sub-National Governance program.
14. Capacity development for Agricultural Extension Staff from 7-26 February, 2016 in KPK at Agriculture Polytechnic Institute (API), National Agricultural Research Council (NARC), Islamabad funded by JICA Japan.
15. Different Propagation Techniques of Guava Plant on 16 May, 2017 at Barani Agriculture Research Center Kohat organized by Directorate of Outreach Agricultural Research System Khyber Pakhtunkhwa, Peshawar.
16. Agricultural marketing problems and prospects from 18 – 19 April, 2017 at Pakistan Academy for Rural Development (PARD) Peshawar Pakistan.
17. TOTs training to be a certified PLANT DOCTOR (Module I&II) sponsored by CABI, Pakistan from 18-22 February, 2019 at Ambassador Hotel, Islamabad.
18. TOTs training for the management of Parthenium Weed sponsored by CABI, Pakistan held on 18 April, 2019 at Agricultural Services Academy (ASA), Peshawar.
19. TOTs training to be a certified GLOBAL GAP leader on Introduction of certification facilities for quality assurance & creation of market linkages for agriculture interventions in Khyber Pakhtunkhwa, sponsored by CABI, Pakistan from 29-31 March, 2021 at Directorate General Agricultural Extension Peshawar.
20. Public Sector Financial Management from 23<sup>rd</sup> to 25<sup>th</sup> May, 2022 at Pakistan Manpower Institute under Ministry of Federal Education and Professional Training, Islamabad, Pakistan.
21. Participated in one day workshop on “Improvement/revision in Ecological Zonation, Soil Fertility Mapping and Mitigation Strategies for Climate Change concerning Khyber Pakhtunkhwa province” organized by International Water Management Institute (CGIAR) at Crop Reporting Services, Govt; of KP on dated 9<sup>th</sup> Feb 2023.
22. Participated in two days training on “Monitoring & Evaluation” organized jointly by UNDP-USAID at Serena Hotel, Peshawar from dated 27-28 Feb 2023.
23. Participated in four days training on “Public Procurement Policies and Rules” organized by Pakistan Planning and Management Institute, Islamabad from dated 25-18 Aug 2023.

24. Participated in four days training on “Public Procurement Policies and Rules” organized by Pakistan Planning and Management Institute, Islamabad from dated 25-18 Aug 2023.
25. Participated in four days training on “National GHG Inventory Management & MRV System” organized by Global Climate Change Impact Study Centre, Islamabad in collaboration with CITEPA France from dated 4-7 Sep 2023.
26. Participated in two days training on “Climate Smart Agriculture to Mitigate Drought in Drylands of Khyber Pakhtunkhwa” Organized by CEWRI, PARC, Islamabad at Climate Change Centre University of Agriculture, Peshawar from dated 4-5 June 2024.
27. “Food Security Issues & Mitigation Strategies” from 11-15 Nov, 2024 at AKH National Centre for Rural Development, Islamabad.
28. “Community Based Drone Project for Climate Resilient Agriculture” on 10 Dec, 2024 at GIZ / MS Worldwide at Directorate General Agricultural Extension, Peshawar.

### **INTERNATIONAL TRAINING COMPLETED**

1. Attended two weeks (14 days) Zoom Online Training Course on “Skill Development Tropical Fruit Cultivation in Organic Agriculture and Integrated Farming for Sustainable Development” sponsored by the International Institute, Rambhai Rajabhat University, Thailand from 3-16 June, 2024.
2. Attended three weeks (21 days) Zoom Online Training Course on Cultivation of Oilseed crop production for Pakistan sponsored by the Ministry of Commerce of China and organized by Hunan Agricultural Group Co., Ltd China from 10-30 August, 2021.
3. Obtained certificate for the Quarantine Approved Premises for Accredited Persons dated 5-12-2012 from the Australian Department of Quarantine and Inspection Services.
4. One day training on "Endnote" in the University of Queensland St Lucia Campus Australia during my Doctoral studies from August 2009 to October 2013.
5. One day training on "Advanced Research Skills" in the University of Queensland St Lucia Campus Australia during my Doctoral studies from August 2009 to October 2013.
6. One day training on "Research Data Management" in the University of Queensland St Lucia Campus Australia during my Doctoral studies from August 2009 to October 2013.
7. One day training on "Microsoft Word Advanced" in the University of Queensland St Lucia Campus Australia during my Doctoral studies from August 2009 to October 2013.

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