

■ **Achievements:**

- **Gold Medal** in B.Sc. (Hons) Agriculture (PBG) Gomal Uni. D.I.Khan.
- **Ph.D Approved Supervisor** since Dec, 2011.
- **Breeder of rapeseed Variety Hasnain 2013.**
- **Successfully completed Project of “Production of high quality canola seed for enhancing productivity” (Rs. 35.970 million cost) of ASPLII MINFAL Federal Govt. at POD, PO DB, NWFP, since 1<sup>st</sup> November 2005 to 31<sup>st</sup> January, 2008 as Project Director of the project.**
- **As PI of Project titled Commercialization of High Quality Rapeseed Variety Hasnain-2013 for Enhancing oilseed Productivity is approved by NRPU with total cost of Rs. 19.509 million.**

■ **Qualification:**

**Ph.D Plant Sciences (2007)** Quaid-e-Azam University, Islamabad.

**M.Phil Plant Sciences (2000)** Quaid-e-Azam University, Islamabad.

**B.Sc. (Hons) Agriculture (PBG) (1997)** Gomal University D.I.Khan

■ **Present Address:**

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■ **Research Activities:**

**M.Phil. (Thesis)** “Selection & Evaluation of local and exotic Sunflower *Helianthus annuus*.L.hybrids”. One year research activities at NARC, NODP Islamabad.

**Ph.D (Dissertation)** “Genetic Regulation of Seed Yield and Oil Quality Attributes in Sunflower *Helianthus annuus*.L.” Two years research activities at POD, PO DB, NWFP Tarnab, Peshawar.

■ **Experience:**

1. Actively worked as **Field Officer** in Provincial Oilseed Directorate, *Pakistan Oilseed Development Board (PODB)*, NWFP, Peshawar. since 1<sup>st</sup> January 2001 to 31<sup>st</sup> October 2005.

2. Worked as **Project Director** of the project “*Production of high quality canola seed for enhancing productivity*” (Rs. 35.970 million cost) at POD, PO DB, NWFP, since 1<sup>st</sup> November 2005 to 31<sup>st</sup> January, 2008.

The job description along with administrative, financial and technical management also includes the objectives of the project i.e:

- To produce/procure process and market 1200 tons certified canola seed.
- To focus on multiplication of certified seed of improved commercial varieties of canola (BULBUL-98 and other promising varieties available in the country).
- To motivate the private sector in seed business particularly in local seed production.
- To establish a net work for the sustainable seed production in the long run.

3. Worked as **Head of Department / Assistant Professor**, Department of Agriculture, Hazara University Haripur Campus, since 1st February 2008.

- Established Department of Agricultural Sciences
- Prepared Scheme of Studies and Course Contents
- Constructed the Department Building
- Worked as Head of the Department
- Developed Department into Faculty of Agriculture.

4. **As Co-PI of the Project Commercialization of High Quality Rapeseed Variety Hasnain-2013 for Enhancing oilseed Productivity of the NRPU HEC worth Rs. 19.509 million** with the objectives to procure, process and market 150 tons certified Rapeseed seed during project three years. To focus on multiplication of certified seed of improved commercial variety of Hasnain 2013. To motivate the private sector in seed business particularly in local seed production. To involve and encourage local extraction industry in the procurement process. To establish a network for sustainable seed production involving all stakeholders in the long run.

5. Presently working as **Associate Professor**, Department of Agricultural Sciences, University of Haripur, Haripur.

■ **Variety Approved:**

<b>Name of Crop/Variety</b>	<b>Area of Adaptation</b>	<b>Year of Release</b>
Rape seed variety Hasnain-2013	Khyber Pukhtunkhwa	2013

## ■ Publications:

1. Iqrasan, Qayyum, A, Khan, S.U., Khan, S.A, Mehmood, A., Bibi, Y., Sher, A., Khan, H., and Jenks, M.A. Sunflower (*Helianthus Annuus*) Hybrids Evaluation for oil quality and yield attributes under spring planting conditions of Haripur Pakistan. *Planta Daninha* 2017; v35:e017161596(**IF:0.0058** )
2. A. Ali, S. A. Khan, Ehsanullah, N. Ali and I. Hussain. Estimation of genetic parameters in soybean for yield and morphological characters. *Pak. J. Agri., Agril. Engg., Vet. Sci.*, 2016, 32 (2): 162-168
3. Ali A., Khan S.A., Ali N., Ali S., Hussain I., Fazlullah, Raza H., Ahmad F., Saleem M., Attaullah. (2016) Evaluation of locally collected germplasm of common bean (*Phaseolus vulgaris* L.) for variability in morphological and yield characters in Swat valley. *Pure and Applied Biology* 5:573-577.
4. Raza H., Khan N.U., Khan S.A., Gul S., Latif A., Hussain I., Khan J., Raza S., Baloch M. (2016) Genetic variability and correlation studies in F4 populations of Upland cotton. *The Journal of Animal & Plant Sciences* 26:1048-1055. (**IF:0.549** )
5. Yousafzai S.K., Khan S.M., Rehman K.u., Khan J., Khan S.A., Hussain I., Naz I. (2016) Response of tomato cultivars to different organic fertilizers under agro-climatic conditions of mingora, swat. *Pakistan Journal of Agricultural Research* 29:60-67.
6. Khan K.M., Ali S., Iqbal M., Khan A., Hussain I., Khan S., Khan S.M., Ali I. (2015) Genetic variation and correlation studies in maize testcrosses under the agro climatic condition of Nowshera. *International Journal of Biosciences* 7:57-64.
7. Bilal M., Khan S.A., Raza H., Ali F., Khan S.M., Ali N., Hussain I., Khan1 J. (2015) Evaluation of some indigenous rapeseed genotypes for adaptability and yield traits in the agro-climatic conditions of Mansehra. *International Journal of Biosciences* 7:127-135.
8. Ali A., Khan S.A., Khan E., Ali N., Hussain I., Ahmad F. (2015) Genetic studies among diverse soybean (*G l y c i n e m a x* L. (Merrill) genotypes for variability and correlation at Swat. *International Journal of Biosciences* 6:165-169.
9. Khalil I.H., Muhammad A., Raza H., Khan S.A., Hussain I., Khan A., Saeed M. (2015) Performance of Winter Wheat under Peshawar Conditions. *American-Eurasian Journal Agriculture & Environmental Sciences* 15:205-209.
10. Ali I., Ali N., Tahira R., Ali S., Hussain I., Khan S.A. (2015) Genetic diversity assessment in brassica germplasm based on morphological attributes. *Pakistan Journal of Agricultural Research* 28.
11. Liaquat M., Mehmood T., Khan S., Ahmed Z., Saeed M., Jehangir M., Khan S.A., Khan J., Ali N., Nawaz M. (2015) Parameters affecting the synthesis of (Z)-3-hexen-1-yl acetate by transesterification in organic solvent. *Journal Chemical Society of Pakistan* 37:323-334. (**IF: 0.612**)
12. Shahzad K., Khan A., Smith J.U., Saeed M., Khan S.A., Khan S.M. (2015) Residual effects of different tillage systems, bioslurry and poultry manure on soil properties and subsequent wheat productivity under humid subtropical conditions of Pakistan. *International Journal of Biosciences* 6:99-108.

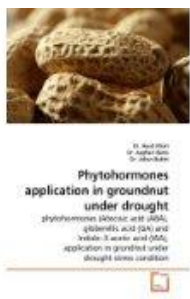
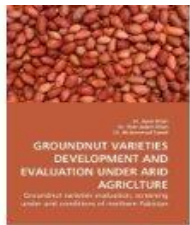
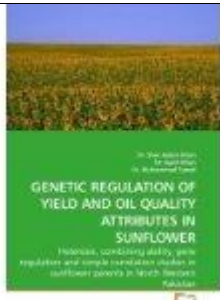
13. Shahzad K., Khan A., Smith J., Saeed M., Khan S.A. (2015) Response of maize to different nitrogen sources and tillage system under humid sub-tropical conditions. *The Journal of Animal & Plant Sciences*, 25:189-197. **(IF:0.549 )**
14. Shah S.W.A., Jahangir M., Qaisar M., Khan S.A., Mahmood T., Saeed M., Farid A., Liaquat M. (2015) Storage Stability of Kinnow Fruit (*Citrus reticulata*) as Affected by CMC and Guar Gum-Based Silver Nanoparticle Coatings. *Molecules* 20:22645–22661. **(IF: 2.416)**
15. Ali N., Bakht J., Naveed K., Liaquat M., Khan S.A., Saeed M., Ali S., Hussain I., Khan S.M., Salim M. (2015) Heterosis studies for some fatty acids composition of indian mustard (*brassica juncea* l ). *Journal of Animal and Plant Science* 25 587-592. **(IF:0.549 )**
16. Sajid M., Ishtiaq M., Khan S.A., Ahamd H., Maqbool M., Azam S., Hussain T. (2015) Taxonomic study of tea cultivars, cultivated in pakistan by using morphogenetic approach. *Pakistan Journal of Botany* 47:2283-2288. **(IF:0.872 )**
17. Ahmad N.U.D., Bhatti K., Ali I., Khan K., Khan S.A., Shah A., Rehman Z., Siddiqi E., Akbar M., Ying L. (2014) Microbial diversity analysis in malachite green dye treating sequencing batch reactor. *Journal of Applied Environmental and Biological Science* 4:185-191. **(IF:0.702 )**
18. Khan H., Rehman H.U., Bakht J., Khan S.A., Hussain I., Khan A., Ali S. (2013) Genotype × environment interaction and heritability estimates for Some agronomic characters in sunflower. *The Journal of Animal & Plant Sciences* 23:1177-1184. **(IF:0.549 )**
19. Khan S.M., Ahmad H., Nisar M., Aslam S., Inamullah, Niaz A. (2013) Genetic Diversity in Pea Germplasm Using Randomly Amplified Polymorphic DNA Markers. *Pakistan Journal of Botany* 45:1259-1264. **(IF:0.947 )**
20. Siddiqi M.H., Ali S., Bakht J., Khan A., Khan S.A., Khan N. (2012) Evaluation of sunflower lines and their crossing combinations For morphological characters, yield and oil contents. *Pakistan Journal of Botany* 44:687-690. **(IF:0.947 )**
21. Liaquat M., Khan S., Khan S.A., Khan A., Khan H., Khan S.M., Ali S., Wahab S., Bhatti H.N. (2012) Rape Seedling Lipase Catalyzed Synthesis of Flavor Esters through Transesterification Reaction). *Journal of Chemical Society of Pakistan* 34:144-150. **(IF: 0.750)**
22. Khan M.A., Kulsoom U., Khan M.I., Khan R., Khan S.A. (2011) Screening the allelopathic potential of various weeds. *Pakistan Journal of Weed Science Research* 17:73-81.
23. Aslam S., Khan S.M., Saleem M., Qureshi A.S., Khan A., Islam M., Khan S.M. (2010) Heterosis for the improvement of oil quality in sunflower (*Helianthus annuus*). *Pakistan Journal of Botany* 42:1003-1008. **(IF:0.947 )**
24. Khan S.A., Ahmed H., Khan S.M., Khan A., Ali S., Saeed M. (2010) Confirmation of sunflower F1 hybrids using SDS-PAGE. *African Journal of Biotechnology* 9:4516-4520. **(IF: 0.520)**
25. Khan A., Bano A., Bakht J., Khan S.A., Malik N.J., Naz I. (2009) Effects of sowing geometry on pod yield and its attributes In groundnut under sub-mountainous conditions of Northern NWFP (swat valley), pakistan. *Sarhad Journal of Agriculture*

25:537-543.

26. Khan A., Bano A., Bakht J., Khan S.A., Malik N.J., Naz I. (2009) Response of exotic groundnut genotypes to environmental diversities at higher altitude of northern Pakistan. Sarhad Journal of Agriculture 25:545-550.

27. Khan S.A., Qureshi A.s., Ashraf M., Ajmal S., Khalil I.H. (2008) Estimate of hetrosis for seed yield and oil content in sunflower. Sarhad Journal of Agriculture 24:43-48.

### BOOKS PUBLISHED

Year	Book	Title & Authors	Publisher & /ISBN No.
2010		<u>PHYTOHORMONES APPLICATION IN GROUNDNUT UNDER DROUGHT: Phytohormones (Abscisic acid (ABA), gibberellic acid (GA) and Indole<sup>3</sup>-acetic acid (IAA), application in groundnut under drought stress condition</u> by Dr.SherAslam Khan, Dr.AsghariBano and Dr.JehanBakht	VDM Germany, 978-3-639-27259-8
2010		<u>GROUNDNUT VARIETIES DEVELOPMENT AND EVALUATION UNDER ARID AGRICULTURE: Groundnut varieties evaluation, screening under arid conditions of northern Pakistan</u> by Dr.Ayub Khan, Dr. Sher Aslam Khan and Dr. Muhammad Saeed	VDM Germany 978-3-639-26205-6
2010		<u>GENETIC REGULATION OF YIELD AND OIL QUALITY ATTRIBUTES IN SUNFLOWER: Heterosis, combining ability, gene regulation and simple correlation studies in sunflower parents in North Western Pakistan</u> by Dr.SherAslam Khan, Dr.Ayub and Dr.M.Saeed	VDM Germany 978-3-639-24430-4

Conferences/Workshops/Seminars/Symposium/Trainings, attended/Received:

<b>Title</b>	<b>Organizer</b>	<b>Location</b>	<b>Date</b>	<b>Sponsor ing Agency</b>
One-Day Symposium on healthy soils for Food security and sustainability.	UoH, HEC	University of Haripur	November 05, 2015	HEC
One-Day Training on Production Techniques in Some Selected Fruit Plants	UoH, HEC	University of Haripur	October 20, 2015	HEC
Biosafety Training Workshop For Young Scientists	UoH, HEC	PASTIC and NAYS with ORIC, UoH	September 02, 2015	HEC
Project Proposal Writing under Agricultural Linkages Programme of PARC	UoH, HEC	UoH, KP, Pakistan	April 17, 2015	HEC
Field Day on Production Technology for Crops and Orchards	UoH, HEC	UoH, KP, Pakistan	April 27, 2015	HEC
Reference Management Through Endnote	UoH, HEC	ORIC, UoH	April 15, 2015	HEC
The Himalayas of Pakistan; Resources and conservation issues	HU, HEC	Multipurpose hall, Hu, Mansehra	November 27-30, 2014	HU, HEC
Project Formulation Workshop	Pakistan Science Foundation	Conference Hall, UoH, Haripur.	September 17-18, 2014	UoH, PSF
Seminar on Innovative Tec. For Floriculture Developing Flower industry.	Deptt. of Agriculture , UoH, Haripur.	Conference Hall, UoH, Haripur.	Oct, 3 <sup>rd</sup> 2013	UoH, PASTIC . IRP,
Training on Faculty Development Program	UoH, Haripur.	Conference Hall, UoH, Haripur.	Sep 9-13, 2013	UoH, Haripur.
Ist National conference on Prospects and opportunities for agricultural development in Pakistan	Deptt. of Agriculture , UoH, Haripur.	KhanaispurAyubi a	June, 25-27, 2013	UoH, Haripur.
International conference on prospects & Challenges to sustainable Agriculture	Faculty of Agriculture , Uni. of AJ & K	Faculty of Agriculture, Rawa lakot	July 16-17, 2011	FAO, Uni. of AJ & K
2 <sup>nd</sup> International Conference of Plant Scientists & 11 <sup>th</sup> National Meeting of Plant Scientists	Pakistan Botanical Society	Department of Botony, GC University Lahore Pakistan	February 22-24, 2011	Pakistan Botanical Society
Basic Techniques in research, Dissertation and Paper Writing in Life Sciences.	Hazara University, Mansehra	Hazara University, Mansehra	27-29 July 2010.	IRP, HEC and HU, Mansehra.
International conference on	PODB,	Pearl	12-13 June,	MINFA

Olive and Saffron Cultivation of D-8 countries	ARI Tarnab, Peshawar	Continental, Peshawar	2009	L, Islamabad
Cultural & Biological Resources of Pakistan	Hazara University, Mansehra	Bara Gali,	22-26 Aug. 2009	Hazara University, Mansehra
National Workshop on Crop Improvement: Conventional and Biotechnological Approaches.	Deptt. of PBG, University of Arid Agriculture, Rawalpindi	University of Arid Agriculture, Rawalpindi	28-30 August, 2006.	HEC, UAAR, NCBP.

■ **Conferences/Workshops/Seminars/Symposium/Trainings, Organized:**

<b>Title</b>	<b>Organizer</b>	<b>Location</b>	<b>Date</b>	<b>Sponsoring Agency</b>
Two-Days Training on domestic processing of fruits and Vegetables	Department of Agricultural Sciences UoH, Haripur	University of Haripur	Decemeber 6 <sup>th</sup> -7 <sup>th</sup> 2016	Shezan Industries Hattar
One-Day Training on Ikebana Flower Arrangement.	Department of Agricultural Sciences UoH, Haripur	University of Haripur	Decemeber 28 <sup>th</sup> 2016	UoH

Students Supervised/ Under Supervision:

<b>M.Sc Students Supervised.</b>			
<b>S.#</b>	<b>Student name</b>	<b>Roll No.</b>	<b>Title</b>
01	Muhammad Sajid		Morphogenetic study of tea genotypes grown in Pakistan
02	Sidra jamil		Effect of invasive spp. on habitat degradation
03	Hina rasheed abbasi		Effect of invasive spp. on Pollen allergy
<b>M.Phil/ M.Sc (Hons) Students Supervised.</b>			
<b>S.#</b>	<b>Student name</b>	<b>Roll No.</b>	<b>Title</b>
01	Ahmad Ali	3787-HRP	Evaluation of soybean accessions for yeild and yield related attributes under the agro climatic conditions of Swat
02	Irfanullah	3779-HRP	Evaluation of maize genotypes for some quantitative traits in the agro climatic conditions of Swat Valley

03	Muhammad Bilal	3431- HRP	Evaluation of some indigenous rapeseed genotypes for adoptability and yield traits in the agro climatic conditions of Mansehra
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**Ph.D Scholars Under Supervision.**

<b>S.#</b>	<b>Student name</b>	<b>Father Name</b>	<b>Roll No.</b>	<b>Title</b>
01	Izharhussain	Muhammad ghufan	2691- HRP	Genetic and biochemical characterization of tomato accessions their yield and disease Performance across location
02	Amjid Ali	Muhammad Irshad	3806- HRP	Repeatibility, Genetic gain and path co-efficient analysis in sugarcane.
03	Muhammad Farooq	Arshadmehmood	2461- HRP	Diallel analysis of some quantitative traits in maize over environments