

NAZIR AHMAD

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PERSONAL STATEMENT

I am a young individual looking for a challenging job to utilize my research experience, and to accomplish with excellence, by leading and within an efficient teamwork, even in a high-pressure environment. I am curious to learn new techniques and apply them for the well-being of my fellow human beings.

RESEARCH OBJECTIVES

- ✦ **Molecular Markers, Marker Assisted Selection.**
- ✦ **Application of next generation sequencing of small RNAs.**
- ✦ **RNA-seq to study of biotic and abiotic stresses in field crops.**
- ✦ **Biotechnology/ Plant Biotechnology, Molecular Plant Breeding, Tissue culture.**
- ✦ **Molecular Biology/ Molecular Genetics, Genetic Engineering/Genetic Transformation.**
- ✦ **Development of tools for identifying disease resistance/Abiotic stress tolerance in field crops.**
- ✦ **Exploration and characterization of Genetic Diversity in different crop germplasm through Agro-Morphological, Biochemical and Molecular Markers Medicinal Plants collection**

PERSONAL INFORMATION

✦	Father's Name	Ghulam Muhammad
✦	Date of Birth	15-03-1990
✦	C.N.I.C #	16202-2164278-5
✦	Passport#	MY1162781
✦	Nationality	Pakistani
✦	Religion	Islam

ACADEMIC QUALIFICATION

✦	DOCTOR OF PHILOSOPHY (PH.D.)	In Progress
	Oil Crops Research Institute, The Graduate School of Chinese Academy of Agricultural Sciences, Haidian, Beijing-People Republic of China	
	Major: Crop Genetics & Breeding	
✦	MASTER OF AGRICULTURE (HONS)	2013-2014
	The University of Agriculture, Peshawar-Pakistan	
	Major: Plant breeding & Genetics , Current GPA: 3.79/4.00	
	<u>Thesis: Genetic analysis in white maize (<i>Zea mays</i>. L) using 6 × 6 diallel mating design</u>	
✦	BACHELOR OF AGRICULTURE (HONS)	2009-2012
	The University of Agriculture, Peshawar-Pakistan	
	Major: Plant breeding & Genetics , CGPA: 3.72/4.00	
	<u>Thesis: Evaluation of half-sib families derived from maize variety Sarhad White for grain yield and agronomic traits.</u>	
✦	INTERMEDIATE	
	Board of Intermediate & secondary education, Mardan-Pakistan	
	Major: Pre-Engineering , 68.72%	2008
✦	MATRIC	
	Board of Intermediate & secondary education, Mardan-Pakistan	
	Major: Science , 82.0%	2006

WORK EXPERIENCE

- ✚ Worked as a Lecturer in Al-Muslim Science College-Swabi. **Aug, 2015-March, 2016**
- ✚ Previously having experience as Surveyor in a World Bank Project. **April, 2015-Aug, 2015**
- ✚ Master of Philosophy (M.Phil.) Research: "Genetic analysis in white maize (*Zea mays*. L) using 6 × 6 diallel mating design". Cereal Crops Research Institute (CCRI) Pirsabak, Nowshera-Pakistan.
- ✚ Worked as Internee in Higher Education Commission (HEC) funded project "Development and Hybrid Seed Production of Local Maize Hybrids in Pakistan". **July-Dec, 2012**
- ✚ B.Sc. (Hons) Research Report. "Evaluation of half-sib families derived from maize variety SW.

SKILLS AND ACCOMPLISHMENTS

- ✚ Agro-morphological characterization of crops germplasm for various quantitative and qualitative traits, under field conditions.
- ✚ Hybrid seed production and breeding techniques in different crops.
- ✚ Application of various farm operations, field layout methods, scientific agronomic practices, and crop husbandry.
- ✚ Excellent verbal and non-verbal Communication and interpersonal skills as a team leader.
- ✚ Excellent report writing and competency to document in-depth analysis.
- ✚ Multivariate analysis of agro-morphological genetic diversity in crop populations.
- ✚ Germplasm collection, characterization, evaluation, conservation and Gene bank management.
- ✚ Employing breeding techniques for hybrid seed production and crop improvement i.e. biotic and a biotic stress resistance, higher yield, early maturity etc.
- ✚ Biochemical analysis of plants through total seed protein variation study using SDS-PAGE technique.
- ✚ Assessment of variability for High Molecular Weight Glutenin Subunits (HMW-GS) in wheat germplasm.
- ✚ Planning field experiment, layout designing and application of various crop husbandry techniques.
- ✚ Application of molecular markers i.e. RAPD, SSR for genetic variation assessment in crop populations.
- ✚ Employing a set of software packages for different statistical procedures on a broad range of data i.e. Statistica 7.0, Statistix 8.1, NTsys PC 2.1, MSTAT-C, and GenStat.

PUBLICATIONS

- ✚ "Evaluation of half-sib families derived from maize variety Sarhad White for grain yield and agronomic traits".
- ✚ "Colony color and texture of different isolates of *Fusarium Solani*, the cause of root rot disease of okra (*Abelmoschus esculentus* L.) in Peshawar".
- ✚ "Heterotic response of three-way cross maize hybrids for grain yield and yield components".
- ✚ "Evaluation of Wheat Advance Lines under Rainfed Conditions".
- ✚ "Evaluation of imidacloprid and entomopathogenic fungi, *Beauveria bassiana* against the red palm weevil *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae)".
- ✚ Genetic potential and traits association in desi and Kabuli chickpea genotypes.

CONFERENCES & WORKSHOPS

- ✚ Attended actively a two weeks workshop on "Genomic Assisted Breeding in Cotton Improvement" organized by Plant Genomics & Molecular Breeding Lab, National Institute for Biotechnology & Genetic Engineering (NIBGE) Faisalabad, Pakistan. **(March 2-13, 2015)**
- ✚ Actively participated in one-day training workshop on "Getting ready for foreign scholarship" organized by Agriculture University Teachers Association (AUTA) Peshawar. The University of Agriculture, Peshawar-Pakistan. **(Sep 26, 2014)**
- ✚ Actively participated in Higher Education Commission (HEC) funded training on "Awareness, teaching and training on weed management techniques for farmers, faculty members, students, researchers and extension workers across the province Khyber Pakhtunkhwa (KPK)" organized by Department of Weed Science, The University of Agriculture, Peshawar-Pakistan. **(Sept 11-12, 2014)**
- ✚ Participated in the 1st International Online Biological Congress (OIBC 2014) organized by "By Science it Will Be a Paradise 'Scientific Group', in collaboration with International Science Congress Association, Indore, India and Innovare Academic Sciences, India" under theme of "New Aspects in Biological Researches. **(Aug 26-Sept 3, 2014)**
- ✚ Attended one day "Peshawar Youth Conference 2014", organized by Youth Centre Peshawar, Government of Khyber Pakhtunkhwa. **(May 16, 2014)**
- ✚ Attended one-day seminar on "Scientific writing & publication in journals", organized by Climate Change Centre University of Agriculture, Peshawar-Pakistan. **(May 14, 2014)**
- ✚ Attended a two days workshop on "How to write a worth publishing research paper/thesis", organized by Agriculture University Teachers' Association (AUTA) Peshawar. The University of Agriculture, Peshawar-Pakistan. **(April 3-4, 2014)**
- ✚ Attended a 5 days training on "Essential life skills for adolescents, health and development" organized by UNICEF. **(July 18-22, 2005)**

LAB SKILLS

- ✚ DNA extraction, Gel analysis, PCR Amplification of SSR markers, GEL ANALYSIS OF RNA SAMPLE
- ✚ Total RNA extractions, Western blot technique, Membrane Transferring and Blotting
- ✚ Total Protein Extraction, Gel Analysis of PCR Product

COMPUTER SKILLS

- ✚ XP Professional, Window 7, Window 8, MS Office, PowerPoint, MS. Excel
- ✚ Photoshop, Photo Filter, Paint, Internet surfing, Internet Browsing

LANGUAGES

	Reading	Writing	Listening
✚ English	Excellent	Excellent	Good
✚ Urdu	Excellent	Excellent	Excellent
✚ Pashto	Excellent	Excellent	Excellent

STRENGTHS & ABILITIES

- ✚ Self-motivated, High energy level
- ✚ Attendance Punctuality, Upholds organizational values
- ✚ Have the ability to work with team as well as in isolated environment
- ✚ Adventurous and Quick learner, Balance team and individual responsibilities
- ✚ Able to build morale and group commitment, Able to work under pressure and meet deadlines

REFERENCES

- ✚ **Prof. Dr. Hidayatur Rahman (Chairman & Supervisor)**
Department of Plant Breeding & Genetics
The University of Agriculture Peshawar
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- ✚ **Prof. Dr. Iftikhar Hussain Khalil**
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