

# **Curriculum Vitae**

## **Khadim Hussain**

Scientific Officer

Central Cotton Research Institute, Multan  
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### **Personal Address**

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### **Official Address**

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### **Personal Detail**

*Nationality: Pakistani*

*Passport No.:RW6890821*

*Date of Birth: 06-12-1978*

*Marital Status: Married*

### **Professional outlook**

I initiated my professional career in 2007 as Scientific Officer at Central Cotton Research Institute, Multan. During my employment I got seven different trainings on molecular biology, e.g gene transformation, DNA finger printing, marker assisted selection, Data analysis techniques and many more. I have extensive experience in conducting experiments for evolution and development of new genotypes of cotton. I have a lot of communication with international organizations like ILSI USA, CREA USA. ICGEB Italy. During my job I was also involved in extensive surveys and data collections and genetic data analysis. I also attended 4 international conferences to present my research work.

I served as a Principal Investigator of a project “Bio Safety, Risk Assessment and Management Regarding GM Cotton (Cry1Ac)” funded by CERA USA.

[http://cera-gmc.org/The Biosafety Research in Pakistan Grants Program 2012 Grantees](http://cera-gmc.org/The_Biosafety_Research_in_Pakistan_Grants_Program_2012_Grantees)

I also have international exposure by visiting USA, Italy, Slovenia, UAE, Srilanka and Bangladesh. I have extensive knowledge of MS Office programs, data collection, quality assurance, processing and statistical analysis. My experience includes monitoring designing projects, training new staff and coordinating with the staff and different departments handling each project to ensure all phases of the plan are going according to schedule. It also includes creating new proposals for projects, preparing reports and giving presentations to explain the proposals.

My personal skills include the ability to multi-task, stay organized and to adjust to different work conditions in a fast and timely fashion. I have an influential personality and possess strong communication skills with the ability to convey information clearly.

### Academic data:

<i>Qualifications</i>	<i>Year</i>	<i>Division/ GPA</i>	<i>Major Fields of Specialization</i>	<i>Board/University</i>
M.Sc (Hons)	2005	3.53	Plant Breeding & Genetics	University of Agriculture, Faisalabad <a href="http://www.uaf.edu.pk">www.uaf.edu.pk</a>
B.Sc(Hons)	2003	3.22	Plant Breeding & Genetics	University of Agriculture, Faisalabad <a href="http://www.uaf.edu.pk">www.uaf.edu.pk</a>
F.Sc	1999	2 <sup>nd</sup>	Per-Medical	Faisalabad Board
Matric	1994	1 <sup>st</sup>	Science	Faisalabad Board

### Employment Details

	<b>Name of Organisation/ Institution</b>	<b>Designation</b>	<b>Duration</b>		<b>Place of posting</b>
			<b>From</b>	<b>To</b>	
a.	Central cotton Research Institute, Multan <a href="http://www.ccrim.org.pk/">http://www.ccrim.org.pk/</a>	Scientific Officer (Plant Breeding & Genetics)	22-03-07	To date	Multan, Pakistan

### Projects Achieved

- Served as **Principal Investigator** of a project titled “Bio Safety, Risk Assessment and Management Regarding GM Cotton (Cry1Ac)”

<http://cera-gmc.org/files/cera/BRPGP/2014%20Grantees%20Updates/03.%20Khadim%20Hussain.pdf>

- Served as a co-Principal Investigator of a project titled “Earias spp. survival to transgenic Bt cotton strains having different protein levels.

<http://cera-gmc.org/files/cera/BRPGP/2014%20Grantees%20Updates/09.%20Muhammad%20Naveed.pdf>

### Job Responsibilities

- Conducting different cotton varietal trials of Pakistan Central Cotton Committee.
- Qualitative and Quantitative Testing of transgenic
- Conducting research for improvement cotton varieties
- Conducting different Trials at farmers fields
- Survey in all cotton growing area of Sindh and Punjab
- Maintenance and enhancement of genetic Stock population
- Recording, documentation and statistical analysis of Data
- Scheming and Designing new experiments
- Reports and proposal writing

### **Additional Duties**

- Incharge “Cotton Clinic”
- Member of institutional biosafety Committee
- Member of Biotechnology Group

### **Professional Trainings**

<b>Institute/Centre</b>	<b>Duration</b>	<b>Title</b>
Centre of Excellence in Molecular Biology	14-10-15 to 16-10-15	Next Generation Sequence Data Analysis
National Institute for Biotechnology and Genetic Engineering, Faisalabad	31-12-12 to 01-01-13	Molecular Genomic Assisted Breeding of Crop Plants
Central Cotton Research Institute, Multan	28-08-13 to 30-08-13	Seed Quality
Agricultural Biotechnology Research Institute, AARI, Faisalabad	14-04-12 to 16-04-12	Testing of GM Crops
Agricultural Biotechnology Research Institute, AARI, Faisalabad	16-04-08 To 19-04-08	Genetic Diversity
National Institute for Biotechnology and Genetic Engineering, Faisalabad	16-01-08 To 15-04-08	Gene cloning and DNA Fingerprinting

### **Workshops and conferences/Seminars**

<b>Organizer/Host</b>	<b>Duration</b>	<b>Title</b>
Bangladesh Academy of Sciences, Bangladesh	19-09-15 to 20-09-15	3 <sup>rd</sup> annual South Asia Biosafety Conference,
Pakistan Central Cotton Committee	31-08-15 to 14-09-15	Cotton Travelling Seminar 2015
South Asia Bio safety Conference, Srilanka	14-09-14 to 15-09-14	2 <sup>nd</sup> annual South Asia Biosafety Conference
International Centre for Genetic Engineering and Biotechnology, Trieste, Italy	30-06-14 to 04-07-14	Risk Assessment: The role of science in GMO decision making
Pakistan Central Cotton Committee	29-09-13 to 09-10-13	Cotton Travelling Seminar 2013
Cotton Incorporated USA	09-10-12 to 12-10-12	International Cotton Genome Initiative (ICGI) Raleigh Research Conference.
NIBGE, Faisalabad	04-05-2011	One day workshop on varietal purity test through DNA Marker

### **Publications**

Hussain, K; Ali, Mehbub; Nazeer, Wajad; Khan, Mueen Alam; Afzal, Muhammad; Khan, Muhammad Idrees. Quantification of Cry1Ac protein at different stages of plant growth in cotton (*Gossypium hirsutum* L.) Albanian j. agric. sci. , (2012), Nr. 4/Vol.11 pp:207-210.

Wajad Nazeer, Tariq Hussain, Mueen Alam Khan, Muhammad Naeem, Muhammad Waqas Amjid and Khadim Hussain "Mechanism of Inheritance for Quantitative Traits in Interspecific Crosses of *Triticum aestivum* L." (2013) World Applied Science Journal Vol:22 pp:1440-1448 (Journal)

Javed Iqbal, Fida Hussain, Muhammad Ali, Muhammad Shahid Iqbal and Khadim Hussain. Trait association of yield and yield components of linseed (*Linum usitatissimum* L). International Journal of Modern Agriculture, Volume 2, No.3, 2013 pp-114-117

M. Afzal, M. Idrees K., K. Hussain, N Illahi, M. Akbar. "Evolution of Indigenous genetically modified, tolerant to Cotton Leaf Curl Virus, high yielding equipped with desirable fibre traits upland cotton variety Bt.CIM-598" Proceeding of International Cotton Genomic Initiative Research conference 2012.

Hussain K., Khan M.I, Akbar M., Haq H.A. (2017). Evolution of Cotton (*Gossypium hirsutum* L.) Variety Bt.CIM-598 Equipped with Wider Adaptability Traits, CLCuV Tolerant and Desirable Fibre Traits. Journal of Agri. and Basic Sciences, Volume 2, No.1, pp-28-36

D. Iqbal, a. Farooq, M. I. Sarwar, K. Hussain, M. A. Mian, A. Hussain, K. Ahmad (2017) Fibre Traits Analysis for Different Planting Times Under Diverse Incidence Levels of Cotton Leaf Curl Disease. Sindh University Research Journal Vol 49, No 4, pp-679-684 <http://sujo.usindh.edu.pk/index.php/SURJ/article/view/3881>

K. Hussain, A. Qayyum, (2017) Generation mean analysis of some Physiological Traits Contributing to heat Tolerance in Upland Cotton (*Gossypium Hirsutum* L.), Sindh University Research Journal Vol 49, No 4, pp-801-806 <http://sujo.usindh.edu.pk/index.php/SURJ/article/view/3908>