

“DR. TASSAWAR HUSSAIN MALIK”

PhD (Agriculture)-Plant Breeding & Genetics

Cotton R&D Lead at Pakistan/ Consultant/ Seed-Technologist

Dr. Tassawar Hussain Malik, Director Research (Headquarters) BPS-20 Pakistan Central Cotton Committee (PCCC) Ministry of Textile Industry, Government of Pakistan, Old Shujabad road, Multan, Punjab, Pakistan Tel: +92-61-9201655 Fax: +92-61-9201656 Cell: +92-3355446888-3005446888 e-mail: dtmalik@gmail.com dr@pccc.gov.pk www.pccc.gov.pk www.textile.gov.pk LinkedIn Profile: http://lnkd.in/pVwBQ3 ResearchGate Profile: http://www.researchgate.net/profile/DrTassawar_Malik/ Orcid Profile: http://orcid.org/0000-0002-9277-1712 Residence: Islamabad, Pakistan	
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Objective:

To excel in the field of agricultural research and development by introducing modern technologies especially in the fields of plant breeding, genetics & genomics, seed science & technology, crop production & protection, in coordination with international and national organizations, institutions and private sector. My ultimate objectives are to ensure crop productivity enhancement at farm and country level to achieve sustained food, feed and fiber security, alleviate rural poverty, and promote economic prosperity on country, region and worldwide basis.

Research Interests (Technical expertise):

- Policy and planning, supervision, monitoring, evaluation and reporting national agricultural research and development program
- Management of Agricultural R&D programs, projects and activities
- Management of coordinated and participatory research and development through public-private partnership
- Cotton breeding, genetics, genomics, biotechnology, production and protection
- Seed science and technology (variety/seed legislation, registration, protection, seed certification and QC, etc.
- Food, feed and fiber security
- Biosafety, biosecurity and bioterrorism
- Development in dry land / rain fed agriculture
- Rural development and improvement of livelihood of small resource poor farmers
- Climate change management
- Sustainable production systems
- Research in Science and technology
- Collaborative work with INGOs/NGOs for various above mentioned causes.

Professional Experience (Public and Private Sector):

1		Director Research (Headquarters) BPS-20 Pakistan Central Cotton Committee (PCCC) Ministry of Textile Industry, Government of Pakistan, Old Shujabad road, Multan, Punjab, Pakistan www.pccc.gov.pk www.textile.gov.pk	March 24, 2010 to continued Regular post
2		Consultant/ Cotton Expert at “ <i>Pak-US Cotton Productivity Enhancement Program (C-PEP)</i> ” 2010-15 (Three years contract) International Center for Agricultural Research in Dry Areas (ICARDA), Pakistan Office, NARC Premises, Park road, Islamabad, Pakistan. Tel: 92-51-9255178-79 Fax: 92-51-9255178 www.icarda.org	15 th July 2011 to 15 th July 2014 (Three years) On deputation basis

3		Deputy Agricultural Development Commissioner (DADC) BPS-18/19 Deputy Advisor Plan (BPS-18) / Cotton Commissioner (BPS-20/ Additional charge), Ministry of National Food Security & Research (MNFS&R), B-Block, Pak Secretariat, Islamabad	June 1, 2008 to March 20, 2010 (One year and ten months) On transfer basis
4		Deputy Director (Seed registration) BPS-18 Seed Certification Officer, BPS-17+SP Seed Certification Assistant/Seed Inspector (Additional charge) BPS-17 Federal Seed Certification & Registration Department (FSC&RD), Ministry of National Food Security & Research (MNFS&R), G-9/4, Mauve Area, Islamabad, Pakistan. Tel: 92-51-9260126; 9261822 Fax: 92- 51-9260234	December 29, 2001 to May 30, 2008 (Seven and half years) Regular post
5		Field Production Supervisor Pioneer Pakistan Seed Limited (PPSL) a subsidiary of DuPont Pakistan Limited, 2 G/4, Canal Bank road, Johar Town, Lahore, Pakistan Tel: 92-42-25300248-51 Fax: 92-42-35301035 Seed Plant: 3-km, Lahore road, Sahiwal Tel: 92-40-4460004-4463633 Fax: 92-40-4463634	July 1, 1996 to December 31, 2000 (Four Years and Five Months) Regular post

EDUCATIONAL HISTORY:

1	PhD Agriculture , Plant Breeding & Genetics(PBG), University of Agriculture, Faisalabad, Pakistan during 2001-06, with 470/600 (78.33% marks)
2	MSc.(Hons)Agriculture (PBG) 1995-97 with 3.80 CGPA and 77.75% marks
3	BSc.(Hons)Agriculture (PBG)1991-95 with 3.62 CGPA and 75.34% marks.

PROJECTS – AGRICULTURAL R&D:

1	Completed projects: Consultant/ Cotton Expert, <i>“Pak-US Cotton Productivity Enhancement Programme (C-PEP)”</i> Cost: US\$ 6 million approx. with 13 local 6 foreign (US) partners/leads Duration: 15 th July, 2011 to 15 th July, 2014 (Three years) Donor: US Agency for International Development (USAID) a grant under Kerry Lugar Bill Technical leads: Agricultural Research Service (ARS), United States Department of Agriculture (USDA) Executing agency: ICARDA-Pakistan Office, National Agricultural Research Center (NARC) Premises, Park Road, Islamabad - 45500, Pakistan. Tel/Fax: 92.51.9255178 a.majid@cgiar.org
2	Project Director , <i>“Cotton Cultivation in Mirani Dam Command area and promotion of Organic Cotton Cultivation in Khuzdar, Lasbella and Sibbi districts of Balochistan”</i> . PKR 40 million PSDP project (2008-2011) Pakistan Central Cotton Committee (PCCC), Ministry of Textile Industry, Govt. of Pakistan, Multan, Pakistan.
3	Project Director/DDO , <i>“Establishment of cultivars adaptability testing and registration system-ECATRS”</i> PKR 24 million project of PSDP executed by FSC&RD, MinFA during December 4, 2007 to March 22, 2010 (Two years and 3 months). FSC&RD, G-9/4, Mauve area, Islamabad.
4	PhD thesis & research (2003-2005): “Breeding potential for high temperature tolerance in Corn, <i>Zea mays L.</i> ” in collaboration with International Maize and Wheat Improvement Center (CIMMYT), Mexico. Department of Plant Breeding and Genetics, University of Agriculture, Faisalabad, Pakistan.
5	MSc.(Hons) thesis & research (1995-96): “Genetic analysis of various plant traits in upland cotton, <i>Gossypium hirsutum L.</i> ” in collaboration with Cotton Research Institute (CRI), Faisalabad. Department of Plant Breeding and Genetics, University of Agriculture, Faisalabad, Pakistan.

FOREIGN VISITS

Sr	Purpose of Tour	Location/City/Country	Date/Duration	Activities
1	Attended “2012 US Belt wide Cotton Conferences” while coordinating a delegate of ten cotton breeders/biotechnologists	Orlando World Center Marriot, Orlando, Florida, USA	3-6 January 2012	Attended various conferences and post conferences project specific meetings
2	Attended Regional workshop on “Quality Seeds in SAARC Countries” organized by SAARC Agricultural	NASC Complex, Indian Agricultural Research Institute (IARI), New Delhi,	16-18 December 2009 (Three days)	Prepared and presented Country Report on “Quality

	Centre (SAC), Dhaka, Bangladesh with the cooperation of Government of India	India		Seeds in Pakistan” on the nomination of Focal Person by SAARC Governing Board Member of Pakistan and SAC, Dhaka
3	Attended second stakeholders workshop on the “Contingency planning for rapid variety release, seed multiplication and distribution of wheat rust resistant varieties Ankara, Turkey, convened by IFAD funded project implemented by FAO in collaboration with ICARDA, CIMMYT and Government of Turkey	International Agricultural Training Centre, Ankara, Turkey	7-10 December 2009 (4 days)	Representation of Government of Pakistan as a “ Seed Quality Control/Policy Expert ”
4	Attended first stakeholders workshop on “wheat rust” convened by IFAD funded project implemented by FAO in collaboration with ICARDA and CIMMYT	International Centre for Agricultural Research in Dry Areas (ICARDA), Tel Hadaya, Aleppo, Syria	21-22 April 2009 (Two days)	Representation of Government of Pakistan as a “ Seed Quality Control/Quarantine Expert ”
TRAININGS				
International training/courses/Workshops/Seminars:				
Sr.	Title of Training/Course	Offered By	Duration/Date	Location
1	“DNA – from structure to therapy”	Online course offered by Iversity and taught by Dr.Susanne Illenberger, Dr.Nicole Kuhl and Prof. Sebastian Springer https://iversity.org/	April-June, 2014	Online
2	“International seminar on Seed production and supply system”	Department of Plant Breeding & Genetics, Univ.of Agriculture, Faisalabad, Pakistan.	Dec 26, 2013	STC Hall, Univ.of Agriculture, Faisalabad, Pakistan
3	“Compliance management of (Guidelines and SOPs for) confined field trials of regulated genetically engineered (GE) crops/plants”.	http://cft.biotech.co.in	21-24 Nov 2013	Online e-learning course
4	“A manager’s guide to Project Management” training based on Project Management Body of Knowledge (PMBOK) edition 5 th 2013 by CEO, Sohail Iqbal.	COMSATS Institute of Information Technology (CIIT), Islamabad www.ciit.edu.pk in collaboration with SysComp International Private Limited, Islamabad www.syscompk.com (PM consultants and trainers) and Project Management Institute (PMI), USA www.pmi.org	Oct 28- Nov 1, 2013	National Institute for Banking and Finance (NIBAF), H-8/4, Islamabad.
5	DAAD International Summer School on “Recent advances in plant biotechnology for sustainable development (exploring the hidden potential of microorganisms)	Department of Plant Sciences, Quaid-e-Azam University, Islamabad	March 26-30, 2012	Auditorium, Quaid-e-Azam University, Islamabad, Pakistan
6	International workshop on application of modern biotechnology in Muslim	OIC Standing Committee on Science & Technology	February 27-29, 2012	Comstech Secretariat, 33-Constitution

	countries-specific issues & challenges	(Comstech) www.comstech.org and Pakistan Biotechnology Information Center (PABIC), Karachi www.pabic.org.pk		avenue, G-5/2, Islamabad
7	Successful Organic Production and Export	United Nations Institute for Training & Research (UNITAR), Switzerland www.unitar.org	November 2-27, 2009	Online course from UNITAR, Switzerland
8	Introduction to Intellectual Property	WIPO Academy www.wipo.int	November 2009	online course from WIPO Academy
9	Introduction to UPOV System of Plant Variety Protection under UPOV Convention	Worldwide Intellectual Property Office (WIPO) Academy with collaboration of UPOV (International Union for Protection of New Varieties of Plants), Geneva, Switzerland	April 16 to May 20, 2007	online course from WIPO Academy www.wipo.int
10	First ECO (Economic Cooperation Organization) Workshop on Harmonization of Regional Seed Regulations	Federal Seed Certification & Registration Department (FSC&RD) / Ministry of Food, Agriculture & Livestock (MINFAL), Food & Agriculture Organization (FAO) of United Nations and International Center for Agricultural Research in Dry Areas (ICARDA)	January 17-19, 2007	National Agricultural Research Centre (NARC), Islamabad
11	National Workshop on Plant Variety Protection (PVP) under the UPOV (International Union for Protection of New Plant Varieties) Convention	Federal Seed Certification & Registration Department (FSC&RD) / Ministry of Food, Agriculture & Livestock (MINFAL), in cooperation with the International Union for the Protection of New Varieties of Plants (UPOV) and Pakistan Agriculture research Council (PARC).	January 20, 2007	National Agricultural Research Centre (NARC), Islamabad
National training/courses/Seminars/Workshops/Meetings:				
Sr.	Title of Training/Course	Offered By	Duration/Date	Location
1	Workshop on “Capacity building in seed technology”	Pakistan Seed Academy, Department of Crop Physiology, University of Agriculture, Faisalabad	June 7, 2014	New Senate Hall, University of Agriculture, Faisalabad
2	Sustainable Consumption and Production (SCP)	National Multilateral Environment Secretariat (MEAS), Climate Change Division, Government of Pakistan	March 25-27, 2014	Ramada Hotel, Islamabad
3	Testing and development of Transgenics for Cotton leaf curl virus (CLCuV) disease resistance	(As Coordinator) organized by Center of Excellence for Molecular Biology (CEMB), University of Punjab, Lahore through ICARDA/USDA cotton	March 18-19, 2014	Center of Excellence for Molecular Biology (CEMB), University of Punjab, Lahore.

		project.		
4	OIC training programme on Cotton seed quality improvement	(As Coordinator) OIC, Turkey Office, Ankara, Turkey	August 28-30, 2013	Central Cotton Research Institute (CCRI), Multan
5	Cotton leaf curl virus (CLCV) disease – diagnostics & resistance	(As Coordinator) Institute of Agricultural Sciences (IAGS), University of Punjab, Lahore	August 26-28, 2013	IAGS, UOP, Lahore
6	SAARC regional conference on new frontiers in agricultural genomics and biotechnology	National Institute for Genomics and Advanced Biotechnology INIGAB), NARC, PARC, Islamabad	June 5-7, 2012	Hotel Marriot, Islamabad
7	“National symposium on Frontiers in Nanotechnology”	NUST (National University of Science & Technology) Science Society, Islamabad	19 th May 2012	NUST University, Islamabad www.nust.gov.pk
8	Modern techniques in Biotechnology 2012	National Institute for Agriculture & Biotechnology (NIBGE), Faisalabad	February 13-17, 2012	NIBGE, Faisalabad
9	“DNA barcoding: a promising tool for species identification and biodiversity digitization”	NIBGE with the cooperation of International Barcode of Life (iBOL) project	January 30 th , 2012	NIBGE, Faisalabad
10	Cotton Plant Genetic Resources Conservation and Gene bank Management	(As Coordinator) ICARDA-Pakistan Office and National Agricultural Research Centre (NARC), Islamabad	December 18-20, 2012	Plant Genetic Resources Program (PGRP), NARC, Islamabad
11	Training on Global Organic Textile Standards (GOTS)	ICEA, Pakistan	July 24, 2010	Hotel Sheraton, Karachi
12	Time Series Analysis of Crop Area & Production	Federal Bureau of Statistics (FBS), Islamabad with coordination of FAO Pakistan	November 3-8, 2008	Training Wing, Federal Bureau of Statistics (FBS), Islamabad
13	Data Mining Course	Centre for Agriculture Information Research (CAIR), National University, Islamabad	May 28, 2008	National University, Islamabad
14	Tools for Agriculture Decision Support System (ADSS)	Centre for Agriculture Information Research (CAIR), National University, Islamabad	January 23, 2008	National University, Islamabad
15	Training courses on Defensive Driving & Safety Management etc.	Pioneer Pakistan Seed Limited, Lahore	June 9, 2000	Hotel Alpine, Lahore (Consult & Train, Karachi)
16	Seed Certification and Enforcement of Seed Act, 1976	Federal Seed Certification & Registration Department	March 14, 2000	Ayub Agricultural Research Institute, Faisalabad
17	Seed Certification and Enforcement of Seed Act, 1976	Federal Seed Certification & Registration Department	February 28, 2001	Agricultural Research Institute, Tandojam, Sind
18	Seed Pathology and Seed Health Testing	Federal Seed Certification & Registration Department	May 16-20, 2006	Federal Seed Certification & Registration Department
19	Short Computer Courses (MS Office & Internet etc.) for data handling & processing and management and preparation of presentation etc.	University of Agriculture, Faisalabad	3-11-1996 to 3-1-1997	Department of Computer Sciences/ Division of Education &

				Extension, U.A.Faisalabad
20	Tarteel-ul-Quran Course (Roll No.15)	University of Agriculture, Faisalabad	15-10-1992 to 6- 1-1993	Central Jamia Mosque, U.A.Faisalabad
21	National Cadet Corps (NCC) Training Certificate (Book/NCC No. 3804/380315) Roll No.R-244321	Government Degree College, Chakwal	23-9-1986 to 23- 3-1988	Government Degree College, Chakwal
CO-CURRICULAR ACTIVITIES/ MEMBERSHIPS:				
Sr	Title of activity/ membership and Address			
1	Member, Round Table for Biotechnology in Cotton, International Cotton Advisory Committee (ICAC), International Cotton Advisory Committee (ICAC), NW Suite 702, Washington, D.C. 20006, USA www.icac.org			
2	International Cotton Genome Initiatives (ICGI), ARS/WSU, USDA, USA www.cottongen.org			
3	Member National Stakeholder Council (NSC), Better Cotton Initiative (BCI) Program, WWF, Pakistan www.wwf.org			
4	Member, National Academy of Young Scientist (NAYS), www.nays.org			
5	“South Asian Network for Sustainability, Accountability and Responsibility (SANSAR)” Sustainable Development Policy Institute (SDPI), 38-embassy road, G-6/3, Islamabad P.O.Box 2342 www.sdpi.org			
6	Member, Projects/Inquiry Committee of Higher Education Commission (HEC), Islamabad www.hec.gov.pk			
7	Member (Agricultural Expert), Young Pakistani Thinkers’ (YPT) Forum, COMSATS, Islamabad Young Pakistani Thinkers’ (YPT) Forum, COMSATS Headquarter Building, 4th Floor, Shahr-e-Jamhuriat, G-5/2, Islamabad, Pakistan. Phone: +92-51-9214515-7 Ext: 204 http://youngpakistanithinkers.org/			
8	“Society of Plant Breeders & Geneticist” Department of Plant Breeding & Genetics, University of Agriculture, Faisalabad, Pakistan.			
9	Pakistan Phytopathological Society (PPS), Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan www.pakps.com			
10	“Agrics” – A Society of Agri. Alumni of Federal Capital, Islamabad, National Agriculture Research Centre (NARC), Islamabad			
11	Weeds Science Society of Pakistan, Peshawar			
12	Agriculture Foundation of Pakistan (AFP), Islamabad			
HONOURS AND AWARDS				
1	Member of project proposals review committee of Higher Education Commission (HEC) National Research Program for Universities.			
2	Reviewer of research papers and articles of various Journals like; - “Pakistan Journal for Agricultural Research (PJAR)”, Univ. of Agriculture, Faisalabad - “Pakistan Journal of Seed Science and Technology (PJST)”, FSC&RD, Islamabad - “Pakistan Cotton”, Pakistan Central Cotton Committee (PCCC) - Few online journals			
3	Honorary Presenter/Co-Producer of the daily agricultural programme “Sarsabz Pakistan” broadcasted during December 29, 2008 to March 22, 2010 by National broadcasting service (NBS) of Radio Pakistan, Islamabad.			
➤ Job descriptions; Publications; References and other information can be furnished on demand				

Following (3) Books, (1) Chapter in book (2) Reports, (5) Journals, (5) International and (12) National peer reviewed research articles published:

- 1) **Hussain, T. and J.Farooq.** 2016. “A compendium of Cotton leaf curl virus disease (CLCuVD) of Pakistan”. 2015. Part-I (Cotton leaf curl virus) and Part-II (Whitefly carrier of the virus). Directorate of Agricultural Research, Pakistan Central Cotton Committee and International Center of Agricultural Research in Dry Areas (ICARDA) Pakistan (Not commercial publication). **Book.**
- 2) **Hussain, T. and J.Farooq.** 2016. “Book of abstracts of cotton leaf curl virus disease (CLCuVD) of Pakistan”. 2015 Directorate of Agricultural Research, Pakistan Central Cotton Committee, Multan, Pakistan (Not commercial publication). **Book.**
- 3) **Hussain, T. and Qureshi, R.** 2015. “Potentially important food plants of Pakistan”. Food Plant Solutions, Australia. <http://foodplantsolutions.org/programs/pakistan/> **Book.**
- 4) **Hussain, T.** 2011. Quality Seed in Pakistan. In Huda N.D. and I.M. Saiyed (Eds.). Quality Seed in SAARC Countries – Production, Processing, Legal and Quality Control & marketing system (PP: 217-299). Dhaka, Bangladesh. SAARC Agricultural Centre (SAC), BARC Campus. **Chapter in Book.**
- 5) **Hussain.T.** and I.Sultana. 2015. *Report of 2014 National coordinated varietal trials (NCVT).* Pakistan Central Cotton Committee (PCCC), Multan. **Report**
- 6) **Hussain.T.** and I.Sultana. 2010. *Report of 2010 National coordinated varietal trials (NCVT).* Pakistan Central Cotton Committee (PCCC), Karachi. **Report.**
- 7) **Hussain, T.** 2017. “The Pakistan Cotton” – 2017 (57) 1-4. Annual print research journal of Pakistan Central Cotton Committee, Multan. **Journal.under-print**
- 8) **Hussain, T.** 2015. “The Pakistan Cotton” – 2014 (56) 1-4. Annual print research journal of Pakistan Central Cotton Committee, Multan. **Journal.**
- 9) **Hussain.T.** and I.Sultana. 2011. *Report of 2010 National coordinated varietal trials (NCVT).* Pakistan Central Cotton Committee (PCCC), Karachi. **Journal.**
- 10) **Hussain, T.** 2011. “The Pakistan Cotton” – 2010 (55) 1-4. Annual print research journal of Pakistan Central Cotton Committee, Karachi. **Journal.**
- 11) **Hussain, T.** 2010. “The Pakistan Cotton” – 2009 (54) 1-4. Annual print research journal of Pakistan Central Cotton Committee, Karachi. **Journal.**
- 12) **S.I.A. Shah, M.T. Jan, M. Rafiq, T.H. Malik, I.R. Khan and Z. Hussain.** 2016. “Efficacy of different group of insecticides against dusky cotton bug, *Oxycarenus laetus* Kirby in field conditions of Pakistan”. *Journal of Agri. And Res.* 2(3): (3)2016. **National.**
- 13) **S.I.A. Shah, M. Rafiq, T.H. Malik, I.R. Khan, S.Awais, S.Shah and Z. Hussain.** 2016. “Comparison of the newly introduced rearing methods of Cotton stainer, *Dysdercus koenigii* (Hemiptera: Pyrrhocoridae) with classical methods”. *Pakistan J.Zool.*;48(3); 781-787; 2016. **National**
- 14) Saeed, F., J. Farooq, A. Mahmood, M. Riaz, **T. Hussain** and A. Majeed. 2014. Assessment of genetic diversity for Cotton leaf curl virus (CLCuD), fiber quality and some morphological traits using different statistical procedures in *Gossypium hirsutum* L. *Aust. J. Crop. Sci.* 8(3): 442-447. **International.**
- 15) Farooq, J., A. Farooq, M. Riaz, M.R. Shahid, F. Saeed, M.S. Iqbal. **T. Hussain**, A. Batool, and A. Mahmood. 2014. Cotton leaf curl virus disease a principle cause of decline in cotton productivity in Pakistan (a mini review). *Canadian Journal of Plant Protection* 2(1): 9-16. **International.**
- 16) **Hussain, T.,** I.A. Khan and Z. Ali. 2007. Study on gene action and combining abilities for thermo-tolerant abilities of corn (*Zea mays* L.) *Int.J.Pl. Production.* 1(1): 1-12. **International.**
- 17) Menchey, K., F. Ardila, A. Kay, P.A.V. Barroso, E. Roman, L.A. Fonseca, O.A. Momtaz, K.R. Kranthi, **T.H. Malik**, H.J. Bruwer. 2013. Report of the “Round Table for

Biotechnology in Cotton. International Cotton Advisory Committee (ICAC). Washington, D.C. Library of the congress. **International.**

- 18) **Hussain, T.** 2012-13. *Case studies of use of agricultural biotechnologies in developing countries*. FAO proposal from Pakistan. Plant Genetic Resources and Seed Team, Plant Production and protection Division, Food and Agriculture Organization (FAO) of the United Nations, Vialledelle Terme di Caracalla, 00153, Rome, Italy. **International.**
- 19) Saeed, F., J. Farooq, A. Mahmood, **T. Hussain**, M. Riaz and S. Ahmed. 2014. Genetic diversity in upland cotton for cotton leaf Curl virus disease, earliness and fiber quality. Pak. J. Agric. Res. 27(3): 226-236. **National.**
- 20) Sheikh, S.H. and **T. Hussain**. 2011. Organic Cotton. The Pakistan Cotton. 55(1-2): 32-44. **National.**
- 21) Kalroo, A.M. and **T. Hussain**. 2010. Improving the productivity of cotton. The Pakistan Cotton. 54(14): 16-28. **National.**
- 22) Ahmed, M. and **T. Hussain**. 2010. Significance of enhanced efficiency fertilizers to mitigate impact of climate change. The Pakistan Cotton. 54(14): 51-56. **National.**
- 23) **Tassawar Hussain**. 2014. Particulars of Bt. cotton varieties approved by "Punjab Seed Council" for cultivation in Punjab. The Pakistan Cotton. 55(14): 65-67. **National.**
- 24) Khan, M.I., M. Afzal, A. Khan, H.M. Saeed and **T. Hussain**. 2010. Genotypic exploitation of commercial cotton cultivars under the agro-climatic condition of Multan, Pakistan. The Pakistan Cotton. 54(14): 57-63. **National.**
- 25) Atif, M., M.B. Sarwar and **T. Hussain**. 2010. A novel Arrow-head technology for low cost hybrid Bt. cotton seed production. The Pakistan Cotton. 54(14): 64-68. **National.**
- 26) Khan, L.A. and **T. Hussain**. 2011. Impact of picking, handling and ginning process on the quality of raw cotton in district Mirpurkhas. The Pakistan Cotton. 55(1-2): 23-31. **National.**
- 27) **Hussain, T.**, I.A. Khan, M.A. Malik and Z. Ali. 2006. Breeding potential for high temperature tolerance in corn (*Zea mays L.*) Pak. J. Bot. 38(4):1185-1195. **National.**
- 28) **Tassawar Hussain**. 2010. Pakistan Central Cotton Committee (PCCC) - Functions and achievements. The Pakistan Cotton. 54(14): 69-75. **National.**
- 29) **Tassawar Hussain**. 2011. Standard Operating Protocols (SOPs) for testing, evaluation, monitoring, approval, release and registration of genetically modified (GM) crop varieties in Pakistan with emphasis on Bt Cotton. The Pakistan Cotton. 55(1-2):45-60. **National.**

- Few articles, journals, books and chapters are under publication.
- Many other small technical pamphlets, brochures, guidelines, SOPs, literature etc. also published.
- Dozens of project proposals (PC-1), Concept paper of government and private sector also reviewed.

General References of Dr.Tassawar Hussain Malik

Academic Referees		
Category	Particulars of Referees	Contacts
University of Agriculture, Faisalabad	Prof.Dr.Iftikhar Ahmed Khan (PhD/MS(Hons) Supervisor) Ex-Chairman, Department of Plant Breeding and Genetics, University of Agriculture, Faisalabad, Pakistan.	Tel: Fax:..... Cell: 92(300)-6649610 piak@scientist.com www.uaf.edu.pk
MNS_Univ.of Agriculture, Multan	Prof.Dr.Zulfiqar Ali (PhD Co-Supervisor) Chairman, Department of Plant Breeding & Genetics Muhammad Nawaz Sharif University of Agriculture, Multan, Punjab, Pakistan.	Tel: 92(61)9201684 Fax:92(61)9201682 Cell:92(300)6842206 zulfiqar.ali@mnsuam.edu.pk www.mnsuam.edu.pk
MNS_Univ. of Agriculture, Multan	Prof.Dr.Asif Ali, Vice Chancellor, Muhammad Nawaz Sharif University of Agriculture, Multan, Punjab, Pakistan.	Tel: 92(61)9201680-81 Fax:92(61)9201682 Cell:92(300)9651941 vc@mnsuam.edu.pk www.mnsuam.edu.pk
Professional Referees		
Category	Particulars of Referees	Contacts
Pioneer/Dupont Pakistan Pvt Limited/ WWF	Dr.Shafiq Ahmad (Ex-Quality Control Officer, Pioneer Pakistan Seed Limited) Head, Better Cotton Initiative (BCI) Program WWF, Lahore, Punjab, Pakistan	Tel: 92(42)..... Fax:92(42)..... Cell:92(300)6334908 shafiq.ahmad@bettercotton.org biotpk@yahoo.com
FSC&RD, Islamabad	Dr.Akhlaq Hussain, (Ex-Director General, FSC&RD) c/o Federal Seed Certification & Registration Department (FSC&RD), c/o CIMMYT Pakistan Office, NARC Premises, Park road, Islamabad, Pakistan.	Tel: 92(51)9260126 Fax:92(51)9260234 Cell:92(300)5186541 akhlaq7@hotmail.com www.cimmyt.org
Pakistan Central Cotton Committee (PCCC)	Ch.Muhammad Arshad, Ex-Vice President, Pakistan Central Cotton Committee (PCCC), Consultant, ICARDA Pakistan Office, NARC Premises, Park road, Islamabad, Pakistan.	Tel: 92(51)92..... Fax: 92(51)92..... Cell: 92(302)7350131 marshad65ag19@yahoo.com www.icarda.org