

# CURRICULUM VITA

<b>Name</b>	<b>Dr. Muhammad Anwar Khan</b>
Father Name	: Muhammad Sadiq Khan
Date of Birth	: 08-03-1962
Domicile	: District Bannu, Khyber Pakhtunkhwa Province
Nationality	: Pakistan
Religion	: Islam
National Identity C.No.	: 17301-4815998-9
Permanent Address	: Post Office Bazar Ahmad Khan, District Bannu
Postal Address	: Department of Plant Protection, Agri. Univ. Peshawar

## Qualifications/Academic Record

Certificate/ Degree	Year	Major Subjects	Marks/CGPA	Division	Board/ University
SSC	1980	Science	601/850 (70.70 %)	1 <sup>st</sup>	BISE, Peshawar
FSc	1982	Pre-Medical	556/1000 (55.60 %)	2 <sup>nd</sup>	--- do ---
	1982	Pre-Engineering	592/1000 (59.20 %)	2 <sup>nd</sup>	--- do ---
BSc (Hons)	1988	Plant Protection	3.88/4.00 (82.73 %)	1 <sup>st</sup>	Agri. Univ. Peshawar
MSc (Hons)	1990	Plant Protection	3.49/4.00 (74.73 %)	1 <sup>st</sup>	--- do----
PhD	2010	Plant Protection	3.85/4.00 (89.09 %)	1 <sup>st</sup>	--- do----

## Employment Record

### i. Teaching

Scale of Pay	Designation	Dates		Name and address of Employer
		From	To	
BPS (17)	Lecturer (Contract)	13-01-1991	30-01-1992	Agri. Univ. Peshawar
BPS (17)	---- do -----	01-02-1992	22-06-1993	----- do -----
BPS (17)	Lecturer/Sub-Editor SJA	23-06-1993	22-04-1996	----- do -----
BPS (17)	Lecturer	23-04-1996	17-01-2005	----- do -----
BPS (19)	Assistant Professor	18-01-2005	29-05-2012	----- do -----

BPS (20)	Associate Professor	30-05-2012	28-12-2015	
BPS (21)	Professor	29-12-2015	To date	

## ii. Administration

Institution	Post	From	To
Agri. University Peshawar	Sub-Editor, SJA	01-02-1992	22-06-1996
----- do -----	Assistant Warden Hostel No. 6	14-06-1993	25-01-1994
----- do -----	Warden Hostel No. 6	26-01-1994	13-09-1998
----- do -----	Assistant Provost	Nov. 1997	Aug. 1998
----- do -----	Sports In-charge (Football/Cricket)	1993	2005
----- do -----	Member School Committee		
----- do -----	Deputy Chief Proctor		

## Distinction

Stood 2<sup>nd</sup> in the department of Plant Protection according to BSc (Hons) examination result declared by Controller of Examination vide notification No. 567/Exam dated 30.08.1988

## Project/s

*Conducted project from 2004 to 2007 on “Participatory Technology Development in Reduction of Post Harvest Grains (wheat and gram) Losses in Draban and Chodwan Zam DIKhan” funded by “PLI (Project for Livelihood Improvement)” of IC (Inter Cooperation) through support of Swiss Agency for Development and Cooperation.*

### *Year wise activities and expenses detail*

Phase	Year	Activity	Cost
1	2004	Technical study of grain storage (Survey)	63,800
2	2005	Technical study of grain storage (Experimentation)	1,71,000
3	2006	Participatory technology development in reduction of post harvest grains (wheat and gram) losses	4,77,900
4	2007	Follow-up and impact study	73,000
<b>Total Cost</b>			<b>7,85,700</b>

## Award/s

Awarded Certificate by SADC (Swiss Agency for Development and Cooperation) and IC (Inter Cooperation) in recognition to the initiatives in PLI (Project for Livelihood Improvement) those have inspired a change process resulting in improved livelihood in rural NWFP (now Khyber Pakhtunkhwa) in often challenging contexts.

## Trainings

1. “National Cadet Course” from 15<sup>th</sup> September 1980 to 18<sup>th</sup> March 1982 offered by National Cadet Corps and Women Guards, D.I.Khan during FSc studies in DIK.
2. “Teaching skills in higher education” workshop from 15<sup>th</sup> to 23<sup>rd</sup> July 1992 offered by Khyber Pakhtunkhwa Agricultural University Peshawar at Abbottabad.
3. “Quality control and quality assurance of pesticides in agriculture” training course from 13<sup>th</sup> to 24<sup>th</sup> July, 1998 at Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad.
4. “Mushroom cultivation course” from 16<sup>th</sup> to 17<sup>th</sup> February, 1999 offered by the Department of Plant Pathology, Khyber Pakhtunkhwa Agricultural University Peshawar.
5. “Office Automation Course” from 23<sup>rd</sup> January to 14<sup>th</sup> March, 2006 offered by Abasyn Institute of Management Sciences.
6. “International Course on Vocational Education and Teaching in Agriculture (CIEA)” from 14<sup>th</sup> to 25<sup>th</sup> August, 2006 in Grangeneuve Switzerland offered by International Centre for Agricultural Education Switzerland.
7. “One day training workshop on IPM of maize crop” on 11<sup>th</sup> November, 2006 offered by Department of Plant Protection, Khyber Pakhtunkhwa Agricultural University, Peshawar, Pakistan.
8. “Staff Development Course” from 26<sup>th</sup> February to 22<sup>nd</sup> March, 2007 held at Khyber Pakhtunkhwa Agricultural University, Peshawar and offered by National Academy of Higher Education, Pakistan.
9. Training of Presiding Officers” on 30<sup>th</sup> January, 2008 offered by United Nation Development Program (UNDP) and Election Commission of Pakistan.
10. “Awareness workshop for familiarization of teachers on farmer field school approach and training of facilitators” offered by PARC under National IPM program NARC, Islamabad

## Post Graduate Students/Thesis Supervised

### i. Major Supervisor

1. Mr. Nadir Ali Khan. **1994**. Management of Maize Stem Borer *Chilo partellus* Swinhoe.
2. Miss Sadia Umbreen. **1999**. Assessment of losses in wheat grain and screening of resistant cultivars of wheat against rice weevil *Sitophilus oryzae* L.
3. Mr. Syed Bilal Shah. **2003**. Screening of various insecticides at two different doses against *Helicoverpa armigera* on tomato.
4. Mr. Lal Marjan. **2009**. Scrutiny of potato varieties against green peach aphid (*Myzus persicae* Sulzer) and incidence of its natural enemies.
5. Miss Zell-e-Huma. **2010**. Behavioral changes of *Heterotermes indicola* (Isoptera Rhinotermitidae) against some natural products.
6. Mr. Imran Shinwari. **2011**. Evaluation of artificial diet for the mass rearing of fruit fly larvae in laboratory condition.

## ii. Co-Supervisor

1. Miss Sadia Kanvil. **2005**. Repellent and growth inhibiting effects of indigenous plant extracts on the Red Flour Beetle *Tribolium castaneum* (Herbst) (Tenebrionidae : Coleoptera).
2. Mr. Abdul Samad Khan Khajjak. **2005**. Impact of various artificial diets on the efficiency and development of *Trichogramma chilonis* (Ishii).
3. Mr. Kamran Khan. **2007**. Integrated management of green peach aphid, *Myzus persicae* in potato crop.
4. Mr. Walayat Khan. **2008**. Management of sugarcane stem borer (*Chilo infuscatellus*) (Snellen) (Lepidoptera: Pyralidae) through *Trichogramma Chilonis* (Ishii) (Hymenoptera: Trichogrammatidae) and selective use of insecticides.
5. Mr. Mushtaq Ali. **2009**. Impact of light traps on population density of gram pod borer (*Helicoverpa armigera*)
6. Mr. Muhammad Salim. **2010**. Field Application of *Trichogramma chilonis* (Ishii) for the management of sugarcane borers.

## Under Graduate Students Supervised as Major Supervisor

### i. Review Papers

1. Mr. Nadir Khan. **1992**. Chemical Weed Control in “Onion”.
2. Mr. Sadrud-Din. **2000**. Use of Pheromone for the management of tobacco budworm.
3. Miss. Shehla Ahmad. **1997**. Conservation, colonization and augmentation of natural enemies.
4. Mr. Yasar. **2000**. Biology and control of desert locust.

5. Mr. Pir Raza Shah. **2000**. Weeds of tomato crop and their management.
6. Mr. Adnan Qasim. **2000**. Management of mango mealybug (*Drosicha stebbingii* Gr.).
7. Mr. Syed Bilal Shah. **2000**. Biological control of Lepidopterous pests with reference to fungi and bacteria.
8. Mr. Ikram-ud-Din. **2000**. Post harvest losses in fruit, vegetables and other crops.
9. Mr. Muhib-ur-Rehman. **2000**. Biological control of insect pests with special reference to Order Coleoptera and Order Hymenoptera.
10. Mr. Lal Marjan. **2004**. Natural enemies of green peach aphid.
11. Mr. Nasir-ud-din. **2006** Mammal pests of Agricultural importance and their management.

## **ii. Special Problem**

1. Mr. Yasar. **2000**. Pink Bollworm (*Pectinophora gossypiella*) control through pheromone.
2. Mr. Sadrud Din. **2000**. Households pests, their damages and management strategies.
3. Mr. Adnan Qasim. **2000**. Chemical weed control in onion.
4. Mr. Pir Raza Shah. **2000**. Management of insect pests of sunflower seeds in store houses.
5. Mr. Ikram-Ud-Din. **2000**. Whitefly as a vector of diseases.
6. Mr. Syed Bilal Shah. **2001**. Factors affecting the use of pathogen in insect control.
7. Lal Marjan. **2004**. Management of gram pod borer
8. Mr. Nasir-Ud-Din. **2005**. Management of the insect pests of rice.

## **iii. Internship Reports**

1. Miss Zell-e-Huma. **2007**. Toxicity of different insecticides against *Chrysoperla carnea* (Neuroptera: Chrysopidae) larva.
2. Mr. Naveed Khan. **2007**. Preferences and non preferences of cigarette beetle (*Lasioderma serricorne*) to different types of tobacco.
3. Mr. Imran Shinwari. **2007**. Effect of *Sitotroga cerealella* fresh and frozen eggs on the biology of *Chrysoperla carnea*.
4. Mr. Nadeem. **2008**. Foliar application of urea at various doses against *Citrus psylla* (Hemiptera : Psyllidae).

5. Mr. Wasim-ud-Din. **2009**. Effect of spinosad on the walking behavior of *Trichogramma chilonis* (Ishii) (Hymenoptera, Trichogrammatidae).
6. Mr. Azhar Hussain. **2010**. Effect of various oils on larval mortality and food on adults longevity of *Culex quinquefasciatus* mosquitoes.
7. Mr. Kamran Ahmad. **2011**. Rearing of pulse beetle on mungbean in laboratory condition.
9. Mr. Mukaram Shah. **2011**. Comparative anesthetic effect of CO<sub>2</sub> and chloroform and topical toxicity of fipronil, hexaflumuron and imidacloprid against subterranean termites (*Heterotermes indicola*).
10. Mr. Fawad Ahmad. **2011**. Peach flat-headed borer *Sphenoptera dadkhani* (Oben.) infestation and its chemical control in plum at Peshawar.

## Publications

1. Khalil, S.K., **M.A. Khan**, M. Naeem, Inamullah, I. Ali, F. Shah and A. Jabbar. 1991. Studies on the population dynamics, host preference and chemical control of Brown Garden Snail (*Helix aspersa* M). Sarhad Journal of Agriculture. 7(2): 83-88.
2. Hussain, T., M. Iqbal, Farmanullah and **M.A. Khan**. 1997. Population trends, varietal preference and chemical control of Garlic thrips (*Thrips tabaci*). Sarhad J. of Agric. 13(2): 175-180.
3. **Khan, M.A.**, W. Yamin, G.S. Shah, I. Ali, and M. Liaquatullah. 2004. Effect of different insecticides formulations and doses against maize stem borer in corn fields. Sarhad J. Agric. 20(4): 609-612.
4. Sadia K., J. Ghulam, A.U.R. Saljoqi, H. Naseer and **M.A. Khan**. 2006. Effects of plant extracts on oviposition and egg hatching of *Tribolium castaneum* Herbst (Coleoptera: Tenebrionidae). Sarhad J. of Agric. 22(3): 504-515.
5. **Khan, M.A.**, A.U.R. Saljoqi, H. Naseer. Response of *Myzus persicae* (Sulzer) to imidacloprid and thiamethoxam on susceptible and resistant potato varieties. 2011. Under process in Sarhad J. of Agric. 27(2): 263-270
6. Anwar, S., F. Ullah, H. Badshah, Q. Zeb, **M.A. Khan**, M. S. Shah, S. Sattar and A. Sadozai. 2011. Study of different sowing dates of maize crop on maize aphids. *Rhopalosiphum maidis*. Sarhad J. Agric 27 (2): 274-271
7. Khan, M.Z., Z. U. Haq, N. U. Khan, U. Pervez and **M.A. Khan**. 2011. Training needs of Agricultural extension agents in Khyber Pakhtunkhwa. Sarhad J. Agric. 27(1): 133-137
8. Amanullah, S. Jehan, M. Mansoor and **M.A. Khan**. 2011. Heterosis studies in diallel crosses of maize. Sarhad J. Agric. 27(2): 207-212

9. Awan, H., I. Awan; M. Mansoor; E.A. Khan and **M.A. Khan**. 2011. Effect of sowing time and plant spacing on fiber quality and seed cotton yield. *Sarhad J. Agric.* 27(3): 411-413.
10. Mashwani, A.M., Farman Ullah, S. Sattar, S. Ahmad and **M.A. Khan**. 2011. Efficacy of different insecticides against maize stem borer, *Chilo partellus* Swinhoe (Lepidoptera; Pyralidae) at Peshawar and Swat valleys of Khyber Pakhtunkhwa, Pakistan. *Sarhad J. Agric.* 27(3): 459-465.
11. Zeb, Q., I. Khan, M. Inayatullah, Y. Hayat, A. R. Saljoqi and **M.A. Khan**. 2011. Population dynamics of citrus whiteflies, aphids, citrus *Psylla* leaf miner and their biocontrol agents in Khyber Pakhtunkhwa. 27(3): 451-457.
12. Sajid, M; A. Rab; Wahid, F; Shah, S.N.M; M.A. Khan and **M.A. Khan**. 2011. Influence of rhizobium inoculation on growth and yield of groundnut cultivars. *Sarhad J. Agric.* 27(4): 573-576.
13. Nawab, K; Amanullah; M. Arif; P. Shah; A. Rab; M.A. Khan; **M.A. Khan**; K. Khan. 2011. Effect of FYM, potassium and zinc on phenology and grain yield of wheat in rainfed cropping systems. *Pak. J. Bot.* 43(5): 2391-2396
14. Khan, M. A., A.N. Khan, R. Khan, Umm-e-Kalsoom and **M.A. Khan**. 2011. Weed control efficiency of intercropping legumes in maize. *Pak. J. Weed Sci. Res.* 17(4): 303-312
15. Rahman, H.U., K. Ullah, M. Sadiq, M. Zubair, S. Javaria, **M.A. Khan** and A.M. Khattak. 2011. Relative efficacy of different weed control methods in onion (*Allium cepa* L.) crop. *Pak. J. Weed Sci. Res.* 17(4): 343-350.
16. **Khan. M.A.**, A.U.R. Saljoqi, I. A. Khan, S. Khan, Q. Zeb, M. Sajid, M. Mishwani, S.Z. Khan and S.F. Shah. 2012. Toxicity of foliar insecticides to syrphidfly predator of green peach aphid, *myzus persicae* (sulzer), on potato varieties. *Sarhad J. Agric.* 28(2): 291-296.
17. **Khan. M.A.**, A.U.R. Saljoqi, I. A. Khan, S. Khan, Q. Zeb, M. Sajid, M. Mishwani, S.Z. Khan and S.F. Shah. 2012. Toxicity of foliar insecticides to ladybird beetle predator of green peach aphid, *myzus persicae* (sulzer), on potato varieties. *Sarhad J. Agric.* 28(2): 283-290.
18. Sajid, M; A. Rab, N. Amin; Fazaliwahid, I. Jan, I. Ahmad, I.A. Khan and **M.A. Khan**. 2012. Effect of herbicides and row spacing on the growth and yield of pea. *Pak. J. Weed Sci. Res.* 18(1): 1-13.