

# Curriculum Vitae

## Personal data

SURNAME,FIRST NAME: Tayeb Muhammad

Academic degree: Master of sciences

Place and Date of Birth: kohistan | 01 January 1994

Phone: +923156660057

Address: Village Eleel Kandia, kohistan

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## Work Experience

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DATES: 02-Jan-2017

NAME AND ADDRESS OF EMPLOYER: Pakistan Civil Defense training school, Peshawar

TYPE OF BUSINESS OR SECTOR: Government

POSITION HELD: General Instructor

MAIN ACTIVITIES AND RESPONSIBILITIES: Arranging different safety training in school and colleges

DATES: 02-Jan-2016- 26-01-2016

NAME AND ADDRESS OF EMPLOYER: Pakistan Civil Defense training school, Peshawar

TYPE OF BUSINESS OR SECTOR: Government

POSITION HELD : Fireman

MAIN ACTIVITIES AND RESPONSIBILITIES: Ensure different safety measures as fireman in public places

DATES: 15-Jul-2016 – to 30-Aug-2016

NAME AND ADDRESS OF EMPLOYER: Department of Plant and Environmental Protection, NARC

TYPE OF BUSINESS OR SECTOR: Government

POSITION HELD: Research Fellow Bsc (Hons)

MAIN ACTIVITIES AND RESPONSIBILITIES: I worked on the research project, which was related to biological control of insect pests, a management tool in the integrated pest management in plant protection research. **Research Topic:** Concentration of Stem Injury in Maize Fields by *Chilo partellus* and Effect of *Trichogramma chilonis* on *Chilo partellus* Eggs under Laboratory Conditions

SUPERVISOR: Dr Habib Iqbal Javeed

DATES: 2018-2019

TYPE OF BUSINESS OR SECTOR: Government

POSITION HELD: Research Fellow Msc (Hons)

NAME AND ADDRESS OF EMPLOYER: Agriculture Research Institute Tarnab Farm Peshawar

MAIN ACTIVITIES AND RESPONSIBILITIES: I worked on the research project, which was related to check the population trend of aphids and their Associated Natural Enemies. **Research Topic:** response of different wheat cultivars/genotypes towards the population of wheat aphid (*rhopalosiphum padi* l.) and its associated natural enemies

SUPERVISOR : Dr Hayat Badshah

## Education

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DATES 2018-2019

TITLE OF QUALIFICATION Master of Science (Honors.) Agriculture( Plant Protection)

AWARDED:

NAME OF ORGANIZATION: The university of Agriculture, Peshawar Pakistan

PRINCIPALSUBJECTS: Research Methods in plant protection, Host Plant Resistance, Pesticides toxicology, Plant bacteriology, Community IPM, Plant Protection and Environment, SPS measures and Quarantine, Experimental Design and analysis and integrated weed management.

ENTOMOLOGICAL LAB SKILLS: Rearing and culturing of insects, Bioassay for insecticide residue  
Insect collection methods in Lab, Field collection of insects pest  
Preservation of insects pests in lab, Identification of insects pests in Lab  
Exercises in microtomy for cutting insect sections, micrometry  
Permanent and temporary slide preparation, microscopes, Formation of insect killing jars and bottles, refractometer, DNA extraction, PCR  
Gel electrophoresis , Use of aspirator and suction devices,  
malaise traps, pitfall traps, light traps, pheromone traps, bait traps,  
pinning of insects, ultra-centrifugation, Autoclave, P.H meter, field work  
Experience, Different methods of pest scouting for sucking insects and chewing insects, Soxhlet hot water extractor , sugar roll method for mites  
Monitoring.

CGPA: 3.7/4.00

**ABSTRACT:** To investigate population of wheat aphids and its natural enemies with respect to different wheat genotypes, an experiment was carried out at Agriculture Research Institute (ARI) Tarnab, Peshawar-Pakistan during rabi season 2018-2019. Fourteen wheat genotypes i.e Wadaan-17, Paseene-17, Khaista-17, Ghaneemat, KT-2017, Pakhtunkhaw-15, PS-15, NIFA-Insaf-15, NIFA-Aman-15, Pakistan-13, PS-13, Shahkaar-13, PS-5, NIFA-lalma were planted in Randomized Complete Block design (RCBD) having three (3) replications. Data regarded population density of aphids and its natural enemies were recorded on weekly basis. The result showed significant differences among fourteen different wheat genotypes and weeks for most of the characters. Aphid's population was on its peak during the 3<sup>rd</sup> week of February but later on the aphid's population decreased as population of its natural enemies increased. Based on mean population of aphids leaf<sup>-1</sup>, variety Pakhtunkhwa-15 recorded maximum mean value (5.48), while PS-13 recorded minimum mean value (4.09) for aphids leaf<sup>-1</sup>. Data regarding the natural enemies showed that Khaista-17 had maximum population of coccinellid spp (1.00), Paseene-17 had maximum population of syrphid spp plant<sup>-1</sup> (0.84), and Pakhtunkhwa-15 had maximum lacewings plant<sup>-1</sup> (0.81). Overall results revealed that PS-13 showed relatively greater resistance to aphid's population with maximum wheat yield (3412.5 kg ha<sup>-1</sup>) as compared to other wheat genotypes/cultivars.

**SUPERVISOR:** Prof. Dr. Ahmad ur Rahman Saljoqi

**FINAL YEAR PROJECT:** Response of different wheat cultivars/genotypes towards the population of wheat aphid (*rhopalosiphum padi* l.) and its associated natural enemies

**DATES:** 2013-2016

**TITLE OF QUALIFICATION** Bachelor of Science (Honors.) Agriculture

**AWARDESD:**

**NAME OF ORGANIZATION:** The university of Agriculture , Peshawar Pakistan

PRINCIPAL SUBJECTS: Basic Agriculture, Communication skills, Functional English, Introductory Information technology, Mathematics, Instrumentation and Laboratory techniques, Experimental designs, Farm Mechanization and water conservation engineering , scientific writing and presentation  
Introductory Agricultural Economics , Genetics, Soil Science , Plant Pathology, Entomology, Horticulture, Food Science, Agricultural Extension, Education And Communication, Plant Breeding, Forestry, and Agri Business Management, plant protection.

GPA: 3.43/4.00

FINAL YEAR PROJECT: Concentration of Stem Injury in Maize Fields by *Chilo partellus* and Effect of *Trichogramma chilonis* on *Chilo partellus* Eggs under Laboratory Conditions.

SUPERVISOR: Prof. Dr. Ahmad ur Rahman Saljoqi

DATE: 2011-2012

QUALIFICATION: HSSC

MARKS: 817/1100

DATE: 2009-2010

QUALIFICATION: SSC

MARKS: 784/1050

COMPUTER SKILLS: MS office, networking, data analysis software's and content writing

#### Training Workshops

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- a. **Three days' workshop on apiculture training course** (11-April to 13-April 2015) at Entomology section Agriculture research institute Tarnab Peshawar in collaboration with HEC learned cell formation, Hive management, Honey harvestation, Measuring moisture content in Honey, making wax candles , wax polishes , wax cream, wax lip balm.
  - b. **One day training on Management strategies for insect pest of agriculture importance with special emphasis on Bio-control technology** (April 2017) in nuclear institute of food and agriculture (NIFA Peshawar)

#### Languages

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Kohistani : Mother tongue

Other Languages : Pashto, Kohistani (Native Language), Shinna and  
Fluent in all aspects of English and Urdu.

## Achievements

- a. **USAID Funded Scholarship** awarded by higher education commission of Pakistan (**HEC**) during bachelor program, 2013-2016.
- b. **Prime Ministers fee Reimbursement Scholarship** awarded by government of Pakistan during Master Program, 2018-2019.
- c. **Awarded with Laptop** merit basis by Govt. of KPK (Nov, 2015).
- d. **Got 1<sup>st</sup> position** in semester 5<sup>th</sup> during bachelor program 2013-2016
- e. **Got 2<sup>nd</sup> position** in master of science program during 2018-2019

## Reference

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Name: **Prof. Dr. Ahmad ur Rahman Saljoqi**

Position: Professor (Dean Faculty of crop protection sciences)

Organization: The University of Agriculture, Peshawar

Email: drsaljoqi@yahoo.com

Relation: Supervisor

Name: **Dr. Muhammad Salim**

Position: **Lecturer**

Organization: The University of Agriculture, Peshawar

Email: muhammadsalim@aup.edu.pk

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Relationship: Co Supervisor

## Publications

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1. **Tayeb, M.**, Sajid, Z., Alam, S., Ahmad, Z., Mustafa, A., & ul-Haq, I. (2021). Concentration of Stem Injury in Maize Fields by *Chilo Partellus* and Effect of *Trichogramma chilonis* on *Chilo Partellus* Eggs under Laboratory Conditions, Ind. J. Pure App. Biosci. 9(1), 18-23. doi: <http://dx.doi.org/10.18782/2582-2845.8523> .
2. Sajid, Z., M.A. Ul Haq, Q. Farooq, Y. Sultan, U. Shaer, **M. Tayeb** and M. Ramzan. 2021. Comparative Toxicity of Nitenpyrem and Neem Oil Against *Amrasca biguttula biguttula* in Okra. Arab Journal of Plant Protection, 39(3): 210-214. <https://doi.org/10.22268/AJPP-039.3.210214> .