

Curriculum Vitae

Dr. Habib Ali (Ph. D. Entomology)

Assistant Professor (IPFP)

Higher Education Commission (HEC) Approved PhD Supervisor

University of Agriculture Faisalabad,

Depalpur Campus, Okara, Pakistan

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Date of Birth: 12 May 1987

Nationality: Pakistani

Permanent Residence: Chak NO. 39/4.L Bhojo-Ana, Tehsil and District **Okara**, Post office Okara cantt, Punjab, Pakistan.

Objective and work Philosophy:

My main objective to do quality research which may create positive impact on human welfare, meanwhile I build myself as great researcher as well as great scientist. I believe if it's not coming from deep inside, it's not going to be impressive & expressive. Discipline, hard work, consistency and passion are the way to success.

Area of Expertise:

- ❖ Rearing of Invasive Palm pests (*Rhynchophorus ferrugineus*, *Brontispa longissima* & *Octodonta nipae*)
- ❖ DNA/RNA extraction
- ❖ PCR
- ❖ Bacterial host association
- ❖ Endosymbiotic bacteria' *Wolbachia pipientis*'
- ❖ Genomic evaluations (genomic sequence analysis)
- ❖ Phylogenetic analysis (MEGA5)

Research interest

My current projects and main areas of research interest are

- ❖ Crop Pests/Invasive species (*Rhynchophorus ferrugineus*, *Brontispa longissima* & *Octodonta nipae*)
- ❖ Microbial symbiosis
- ❖ Molecular research (Genomic studies)
- ❖ Biological insect pest control
- ❖ Bio-pesticides
- ❖ Insect ecology
- ❖ Endosymbiotic bacteria' *Wolbachia pipientis*' and integrated pest management.

Academics:

2018

Ph. D. (Agricultural Entomology and Insect Pest Control)

College of Plant Protection

Fujian Agriculture and Forestry University

Fuzhou, China

Thesis title: Infectious dynamics and phylogeny of endosymbiotic bacteria, *Wolbachia* in three invasive palm beetles

- 2012 M. Sc. (Hons.) Agricultural Entomology**
 1st Division with **77.43%** Marks
 Department of Agricultural Entomology
 University of Agriculture, Faisalabad, Pakistan
Thesis title: Integrated use of different plant extracts as bio-pesticide for the control of wheat pests (Wheat aphid)
- 2010 B. Sc (Hons.) Agriculture**
 1st Division with **65.53%** Marks
 Department of Agricultural Entomology
 University of Agriculture, Faisalabad, Pakistan
- 2006 Higher Secondary School Certificate (HSCC)**
 1st Division with **67.81%** Marks
 Government College Sahiwal (BISE Multan), Pakistan
- 2003 Secondary School Certificate (SCC)**
 1st Division with **71.64%** Marks
 Govt. High School 73/5L Sahiwal (BISE. Multan), Pakistan

Research Publications (164 citations so far):

2019

1. Sanda NB, Hou B, Muhammad A, **Ali Habib** and Hou Y (2019) Exploring the Role of Relish on Antimicrobial Peptide Expressions (AMPs) Upon Nematode-Bacteria Complex Challenge in the Nipa Palm Hispid Beetle, *Octodonta nipae* Maulik (Coleoptera: Chrysomelidae). *Frontier in Microbiology*. 10:2466. doi: 10.3389/fmicb.2019.02466. (**Impact factor 4.259**)
2. **Ali Habib**, Abrar Muhammad, Nafiu Bala Sanda, Ying Huang and Youming Hou (2019). Pyrosequencing uncovers a shift in bacterial communities across life stages of *Octodonta nipae* (Coleoptera: Chrysomelidae). *Frontier in Microbiology*. 10: 466. (**Impact factor 4.259**).
3. Khalid Ali Khan , Ahmad A. Al-Ghamdi, Hamed A. Ghramh, Mohammad Javed Ansari, **Habib Ali**, Saad A. Alamri, Saad Naser Al- Kahtani, Nuru Adgaba, Muhammad Qasim, Muhammad Hafeez. 2019. Structural diversity and functional variability of gut microbial communities associated with honey bee. *Microbial Pathogenesis*. <https://doi.org/10.1016/j.micpath.2019.103793>. 138: 103793 (**Impact factor 2.581**).
4. Zaynab M, Fatima M, Zafar MH, **Ali Habib**, Khan KA. Role of primary metabolites in plant defense against pathogens. *Microbial Pathogenesis* (2019) (**Impact factor 2.581**)., doi: <https://doi.org/10.1016/j.micpath.2019.103728>.
5. Nawaz A, **Ali Habib**, Sufyan M, Gogi MD, Arif MJ, Ranjha MH, Arshid M, Waseem M, Mustafa T, Qasim M, Rizwan M. Comparative bio-efficacy of nuclear polyhedrosis virus (NPV) and Spinosad against American bollworm, *Helicoverpa armigera* (Hubner). *Revista Brasileira de Entomologia*. 2019 Sep 17. <https://doi.org/10.1016/j.rbe.2019.09.001> (**Impact factor 1.101**).
6. Ahmad Nawaz, **Habib Ali***, Muhammad Sufyan, Muhammad Dildar Gogi Muhammad Jalal Arif, Abid Ali, Muhammad Qasim , Waqar Islam, Muhammad Tayab, Imran Bodla. (2019). In-vitro assessment of food consumption, utilization indices and losses promises of leafworm,

Spodoptera litura (Fab.), on Okra crop. Journal of Asia Pacific Entomology.60-66 (**Impact factor 0.978**).

7. Muhammad T. Rasheed, I. Bodlah, A G-Fareen, **Habib Ali** and Muhammad Asghar Bodlha Distribution and trophic accociations of ant genus *Monomorium mayer* (1855) (Hymenoptera: Formicidae: Myrmicinae) with aphids in pothwar region of pakistan. The journal of Animal and Plant Science 30(2) 2020. (**Impact factor 0.529**).

2018

8. **Ali Habib**, Muhammad A, Bala NS, Wang G, Chen Z, Peng Z, Hou Y. (2018). Genomic evaluations of Wolbachia and mtDNA in the population of coconut hispine beetle, *Brontispa longissima* (Coleoptera: Chrysomelidae). Molecular phylogenetics and evolution. 127:1000-1009. (**Impact factor 4.412**).
9. **Ali Habib**, Muhammad A, Bala NS, Hou Y. (2018). The endosymbiotic Wolbachia and host COI gene enable to distinguish between two invasive palm pests; coconut leaf beetle, *Brontispa longissima* and hispid leaf beetle, *Octodonta nipae*. Journal of Economic Entomology. 111(6):2894-2902. [toy233](https://doi.org/10.1093/jee/toy233), <https://doi.org/10.1093/jee/toy233>. (**Impact factor 1.932**).
10. **Ali Habib**, Abrar Muhammad, Waqar Islam, and Youming Hou. (2018). A novel bacterial symbiont association in the hispid beetle, *Octodonta nipae* (Coleoptera: Chrysomelidae), their dynamics and phylogeny." Microbial pathogenesis. 118:378-386. (**Impact factor 2.581**).
11. **Ali Habib**, Abrar Muhammad and Youming Hou* (2018). Infection density dynamics and phylogeny of *Wolbachia* associated with coconut hispine beetle, *Brontispa longissima* (Gestro) (Coleoptera: Chrysomelidae) by multilocus sequence type (MLST) genotyping. Journal of Microbiology and Biotechnology. 28(5):796-808. (**Impact factor 1.975**).
12. Bala NS, Muhammad A, **Ali Habib**, Hou Y. (2018). Entomopathogenic nematode *Steinernema carpocapsae* surpasses the cellular immune responses of the hispid beetle, *Octodonta nipae* (Coleoptera: Chrysomelidae). Microbial Pathogenesis. 124: 337-345. (**Impact factor 2.581**).
13. **Ali Habib**, Abrar Muhammad and Youming Hou*. 2018. Absence of *Wolbachia* in Red Palm weevil, *Rynchophorus ferrugineus* Olivier (Coleoptera: Curculionidae): A PCR based approaches. Applied Ecology and Environmental Research 16(2):1819-1833. (**Impact factor 0.723**).
14. Arif M, Islam SU, Adnan M, Anwar M, **Ali Habib**, Wu Z. (2018). Recent progress on gene silencing/suppression by virus-derived small interfering RNAs in rice viruses especially Rice grassy stunt virus. Microbial pathogenesis. 125: 210-218. (**Impact factor 2.581**).
15. Islam, Waqar, Wenzhong Lin, Muhammad Qasim, Saif Ul Islam, **Ali Habib**, Muhammad Adnan, Muhammad Arif, Zhenguo, Fangfei Wang, and Liande Wang. "Temperature-dependent development of Asian citrus psyllid on various hosts, and mortality by two strains of Isaria." Microbial Pathogenesis. (2018). 119: 109-118. (**Impact factor 2.581**).
16. Muhammad Shakeel, Hussain Ali, Sajjad Ahmad, Fazal Said, Khalid Ali Khan, Muhammad Amjad Bashir, Syed Ishtiaq Anjum, Waqar Islam, Mohammad Javed Ansari, **Ali Habib**.

Insect pollinator's diversity and abundance in *Eruca sativa* Mill. (Arugula) and *Brassica rapa* L. (Field mustard) crops. Saudi Journal of Biological Science (2018) 27(7): 1704-1709. **(Impact factor 2.825).**

17. Islam, Waqar, Wenzhong Lin, Muhammad Qasim, Saif Ul Islam, **Ali Habib**, Muhammad Adnan, Muhammad Arif, Zhenguo Du, and Zujian Wu. "A nation-wide genetic survey revealed a complex population structure of *Bemisia tabaci* in Pakistan. *Acta tropica* **(Impact factor 2.629)**. (2018). 183:119-125.
18. Islam, Saif Ul, Muhammad Qasim, Wenzhong Lin, Waqar Islam, Muhammad Arif, **Ali Habib**, and Zujian Wu. 2018. "Genetic interaction and diversity of the families Libellulidae and Gomphidae through COI gene from China and Pakistan." *Acta Tropica*. 182: 92-99. **(Impact factor 2.629)**.
19. Qasim, Muhammad, Dilbar Husain, Saif Ul Islam, **Ali Habib**, Waqar Islam, Mubasher Hussain, Fangfei Wang, and Liande Wang. "Effectiveness of *Trichogramma chilonis* Ishii against spiny bollworm in Okra and susceptibility to insecticides." *Journal of Entomology and Zoology Studies*. 2018; 6(1): 1576-1581.

2017

20. Muhammad Arif, Muhammad Siddique Aasi, Muhammad Farooq, **Ali Habib**, Saif-ul Islam, Wu Zujian, Muhammad Asad, Muammad Shakeel. (2017). Spatio-temporal distribution of the peach fruit fly, *Bactrocera zonata* (Diptera: Tephritidae) infesting citrus orchards at Sargodha, Pakistan. *Acta Entomologica Sinica* 60 (12):1457-1466.
21. Manzoor, M., Ahmad, J. N., Sharif, M. Z., Majeed, D., Kiran, H., Jafir, M., & **Ali, Habib**. (2017). Comparative effectiveness of entomopathogenic nematodes against red palm weevil (*Rhynchophorus ferrugineus*) in Pakistan. *Journal of Entomology and Zoology Studies*. 2017; 5(5): 756-760.

2016

22. **Ali Habib**, Youming Hou*, Baozhen Tang, Zhanghong Shi, Abrar Muhammad and Nafiu Bala Sanda (2016). A way of reproductive manipulation and biology of *Wolbachia pipientis*. *Journal of Experimental Biology and Agricultural Sciences* 2016; 4(2) 156-168.
23. Malik, M.A., Manzoor, M., **Ali, Habib**, Muhammad, A., ul Islam, S., Qasim, M., Ahmad, N., Idrees, A., Muhammad, A. and Saqib, H.S.A., 2016. Evaluation of imidacloprid and entomopathogenic fungi, *Beauveria bassiana* against the red palm weevil *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae). *Journal of Entomology and Zoology Studies* 2016; 4(1): 262-268.
24. Atif I, M. Qasim, **Ali Habib**, Z .A.Qadir, A. Idrees, M. H. Bashir, J. Qing e (2016) Acaricidal potential of some botanicals against the stored grain mites, *Rhizoglyphus tritici*. *Journal of Entomology and Zoology Studies* 2016; 4(1): 611-617.

2015

25. **Ali, Habib***, Qasim, M., Saqib, H.S.A., Arif, M. and Islam, S.U., 2015. Synergetic effects of various plant extracts as bio-pesticide against Wheat Aphid (*Diuraphis noxia* L.)(Hemiptera:

Aphididae). African Journal of Agricultural Science and Technology (AJAST), 3(7), pp.310-315.

26. Manzoor M, **Ali Habib**, S hahzada Hasnain Khalid, Atif Idrees, Muhammad Arif. 2015. Potential of Moringa (*Moringa oleifera*: Moringaceae) as plant growth regulator and bio-Pesticide against wheat aphids on wheat crop (*Triticum aestivum*; Poaceae). Journal of Biopesticides 8(2):120-127.

Submitted/Under-review paper:

27. **Habib Ali**, Mazhar Hussain Ranjha, Tariq Mustafa and Ahamd Nawaz. 2020. Temperature and diet have a great role in shaping the host bacterial community. A systematic review on Red Palm Weevil, Microbial Pathogenesis. (**Impact factor 2.581**), XXXX
28. **Habib Ali**, Mazhar Hussain Ranjha and Sajid Fiaz.2020. An overview of date palm tree, *Phoenix dactylifera* L: Production challenges and future protectives. Acta tropica (**Impact factor 2.592**). XXXX
29. **Habib Ali***,*,†, Muhammad Qasim*,*,†, Muhammad Arif , , Khalid Ali Khan, Muhammad A. Impact Factor Plant-mediated extracts effect on population dynamics of cotton aphid *Aphis gossypii* Glover (Hemiptera; Aphididae) and its natural enemies, Asia pacific entomology journal, (**Impact factor 0.897**), XXXX
30. Qasim, M, **Habib Ali**.,Y. Lin, M. Zaynab, C.K. Dash & L. Wang, 2018. Entomopathogenic Fungi; An efficient tool to manage psyllid pests. Journal of Insect Science, (**Impact factor 2.321**), 17:XXX
31. Goraya .M.U., C.K. Dash, **Habib Ali**, Qasim, M & L. Wang, 2018. Fungal Approaches for Management of Mosquitoes. Acta Parasitologica, (**Impact factor 1.923**), XXXX
32. Ahmad Nawaz*, Muhammad Sufyan, **Habib Ali***, Muhammad Dildar Gogi, Muhammad Jalal Arif, Muhammad Atiq, Muhammad Arfan, Muhammad Waseem Biochemical markers as a source of resistance in Okra, *Abelmoschus esculentus* against whitefly, *Bemisia tabaci* and its co-relation with environmental factors. Journal of Integrative Agriculture. (**Impact factor 1.043**), XXXX

Research Citations

- Around **165 Research Citations** so far

Research Project completed/Ongoing

- Completed a Project as **Research Associate** entitled ***Wolbachia* mediated species and insect pests of palm trees** funded by National Key Research & Development Program of China (2017YFC1200605) and Fujian Science and Technology Special Project (2017NZ0003-1-6) at Plant Protection College, Fujian Agriculture and Forestry University, China
- Completed **3-Months and two weeks** Internship research at Entomological Research Institute, **Nuclear Institute for Agriculture & Biology (NIAB)** Faisalabad. Pakistan
- Submitted and under progress a project as a **Principle Investigator** entitled **Identification, prevalence, and infestation of Red Palm Weevil (RPW) *Rhychophorus***

ferrugineous (Olivier) from different agro-ecological locations of punjab, Pakistan under the Start up research grant program, **Higher Education Commission** (HEC), Pakistan

- Submitted and under progress a project as a **Principle Investigator** entitled **Bio-Pesticiadal implications on gene expression, silencing, and olfactory receptors of Red Palm Weevil (RPW), *Rhynchophorus ferrugineus*** by King Saud University, Deanship of Scientific Research, Research Chair Program, Saudi Arabia.
- Submitted and under progress a project as a **Co-Principle Investigator** entitled '**Pink bollworm alternative host plants: An emerging continuous source of threat to cotton industry**' by Endowment Fund Secretariat, UAF.

Conferences, Trainings and workshops:

- Abstract accepted for oral presentation as a **Speaker** of **12th International Virology Summit**, during June 24-25, 2020 at **Rome, Italy**.
- Abstract accepted for oral presentation as a **Speaker** of **International Conference on Food Processing Technology** during September 14-16, 2020 at **Hampton by Hilton Paris Clichy, Paris, France**.
- Actively participated in the '**Farmers Meeting Cum workshop on Poultry farm litter and dead birds compost**' at 24 September 2019 Organized by Punjab Agricultural Research Board & Depalpur sub campus, University of Agriculture Faisalabad, Pakistan.
- Actively participated in the '**National forum for international doctoral candidates studying in China**' organized by Higher Education Expo China (HEEC) held at 18-20 October 2018, Chengdu, China.
- Completed the training of '**Asia-Pacific Forest Invasive Species Network (APFISN) Symposium and Workshop on Forest Invasive Species**, held at 18-22 October 2016, Haikou, Hainan, China.
- Actively participated, **The International Conference on Biological Sciences and Technology (BST2016)** January 8th - 10th, 2016, Guangzhou, China.
- Actively participated, **The 5th international Symposium on insect Physiology, Biochemistry and Molecular Biology**, held at Guangzhou, China, June 15-18, 2015.
- To attend the '**International Conference on Insect Molecular Ecology and Pest Management**' held at Fujian, China, 28-31 October, 2014.
- One day training '**The Journey to Excellence**' organized by Four Brothers Group of Pakistan.
- Successfully completed course of **Apiculture** from Division of Education & Extension, University of Agriculture Faisalabad, Pakistan.
- Certificate of participation in "**Basic Unit Leader Course** at Ghora Galli Murree" By Punjab Boy Scouts Associations, Ghora Galli Murree, Pakistan.

Professional organization/Societies/Journals

Affiliated with various professional organizations/Societies as

- Member of **Young Entomology Society**, UAF
- Member of **Agri-Varasity Scouts Group**, UAF
- Affiliated as Associate **Editorial Board member** of ‘Current Investigations in Agriculture and Current Research’ <https://lupinepublishers.com/agriculture-journal/editorial-committee.php>
- Affiliated as **Editorial Board member** of ‘EC Agriculture (ECAG)’ United kingdom <https://www.ecronicon.com/agriculture-editorial-panel.php>
- Affiliated as a **Leading Guest Editor** of American Journal of Entomology
<http://www.sciencepublishinggroup.com/specialissue/specialissueinfo?journalid=547&specialissueid=547002>
- Affiliated as a **Editorial board member** of Journal of Agriculture And Research (<http://www.ijrdo.org/index.php/ar/about/editorialTeam>)
- Affiliated as a **Editorial board member** of Journal of plant biology and crop research (<http://www.meddocsonline.org/journal-of-plant-biology-and-crop-research-editorial-board.html#X>).
- Affiliated as **Editorial board member** of American journal of Entomology (<http://www.sciencepublishinggroup.com/journal/editorialboard?journalid=547>)
- Affiliated as **Editorial board member** of International Journal of Agriculture Innovations and Research TM (<https://www.ijair.org/index.php/editors/editorial-board>).

Paper Reviewing for International/ National Journals

Affiliated with various National/International journal as ‘**Reviewer**’

- Environmental Pollution
- Journal of Oil Palm Research
- International journal of Tropical insect science
- Pakistan Journal of Agricultural Sciences, Faisalabad, Pakistan
- Pakistan Journal of Zoology, Pakistan
- The Journal of Animal and Plant Sciences (JAPS), Lahore, Pakistan
- Journal of Entomology and Nematology
- Journal of Ecology and the Natural Environment
- Journal of Ecology and the Natural Environment
- Excellent Word Journal of Agricultural Science
- International journal of advanced and innovative research
- African Journal of Agricultural Research
- Journal of Agricultural Science and Food Technology

- International Research Journal of Agricultural and Food Sciences
- African Journal of Microbiology Research
- International Journal of Agricultural Policy and Research
- Stroom Journal of Agricultural Policy and Research

Honours and awards:

- ❖ Awarded the status of **HEC Approved PhD Supervisor** by Higher Education Commission, Pakistan
- ❖ Achieved **Chinese Government Outstanding International Student** in the Year 2018 presented by China Scholarship Council, China
- ❖ Achieved best **Thesis award in the year 2018** from College of Plant Protection, Fujian Agriculture and Forestry University, China
- ❖ Won the **Scholarship for doctoral degree** from Fujian Agriculture and Forestry University Scholarship, Fujian China in the year 2014
- ❖ Awarded Punjab educational endowment fund (PEEF) merit scholarship by Punjab Government, Pakistan.
- ❖ Awarded a **laptop** on basis of 100% merit by Punjab Government, Pakistan.
- ❖ Excellent award to participate in **Exhibition of multi-culture and Ethnic cuisine, 2nd international culture festival**, organized by international cooperation and exchange office, communist youth league and overseas education college, November 6, 2014 at Fujian Agriculture and Forestry University, China.
- ❖ Certificate of participation in ‘**39th Annual Function and Grand Campfire 2012**’ University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of participation in ‘**38th Annual Function and Grand Campfire 2011**’ University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of Appreciation in “**Entomological Week on the eve of Golden Jubilee 2011**” By Department of Agri-Entomology University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of participation in “**Winter Scouting Celebration, 2011**” By Agriversity Scout Group University of Agriculture Faisalabad Pakistan.
- ❖ Certificate of Appreciation in “**Pakistan Day Celebration, 2011**” By Hall Senate and Office of the Hall Warden, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of participation in “**Inter Unit Football Tournament, 2011**” By Agriversity Scout Group University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of Appreciation in “**Pakistan Day Celebration, 2010**” By Hall Senate and Office of the Hall Warden, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of Excellence in “**Excellent Management in Annual Function, 2010**” By Department of Agri-Entomology, University of Agriculture Faisalabad, Pakistan.

- ❖ Certificate of participation in “**One day unit Camping 2010**” By Agriversity Scout Group University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of participation in **37th Annual Function and Grand Campfire 2010**, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of participation in **Three Day Scouting & Peace Celebration 2009** on the Eve of National Scouts Week, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of appreciation On “**Pakistan Day Celebrations 2009**” University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of **1st position in Football Inter-unit Competition** by Agriversity Scouts Group 2010, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of **2nd position in Football Pakistan** by society of Horticultural Science (PSHS) Sports Gala 2009, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of **2nd position in Football** by Agrarian Society Sports Gala, 2009, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of Distinction in **1st Annual Iftikhar Ahmad Mian Cycle Race 2008** by Agriversity Scout Group, University of Agriculture Faisalabad, Pakistan.
- ❖ Certificate of **1st position in Football** by Agrarian Society Sports Gala, 2007, University of Agriculture Faisalabad, Pakistan.

Statistical Skills:

- ❖ SPSS
- ❖ BioEdit
- ❖ MEGA-7 (Phylogenetic analysis)
- ❖ DnaSP-5.10.01

Interpersonal Skills:

- ❖ Proved to be a Good Team Player & a Quick Learner
- ❖ Have Excellent Communication & Presentation Skills
- ❖ Can work efficiently in time constraints & can shoulder responsibilities entrusted
- ❖ Have leadership qualities and can work in any circumstances in an organization.
- ❖ Have managerial skills required to work in a smooth manner

Computer Skills:

- ❖ Windows XP, Microsoft Word, Microsoft Excel
- ❖ Installations and some experience of hardware
- ❖ Worldwide communication through Internet

Communication Skills:

- ❖ Fluent in English, Urdu, Punjabi, Medium in Chinese and other local languages.

Work Experience:

- ❖ Working as **Assistant Professor (Entomology department)** continue to date in the University of Agriculture Faisalabad, Depalpur Campus, Okara, Pakistan.
- ❖ More than **3 years** of work experience a **Research Associate** at Plant Protection College, Fujian Agriculture and Forestry University, China
- ❖ **3-Months and two weeks** Internship research at Entomological Research Institute, Nuclear Institute for Agriculture & Biology (NIAB) Faisalabad. Pakistan
- ❖ **Two Weeks** Wheat Campaign at Jhang, directed by Punjab Government, Pakistan.
- ❖ **6 month** Punjab Youth internship directed by Punjab Government, Pakistan
- ❖ **1 year** working experience as **Assistant Development Officer** at Four brother Group of Pakistan.

References

- ❖ **Dr. Tariq Aziz**
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University of Agriculture Faisalabad,
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- ❖ **Dr. Mazhar Hussain Ranjha**
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- ❖ **Dr. Youming Hou**
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