

Curriculum Vitae

Dr. Habib Ali (Ph. D. in Agricultural Entomology & Pest Control)

Work experienced as **Assistant Professor & Lecturer**

Higher Education Commission (HEC) Approved PhD Supervisor

Contact: +92-310-6084708

Email: habib_ali1417@yahoo.com habib.ali@kfueit.edu.pk



Date of Birth: 12 May 1987

Nationality: Pakistani

Home Address: Chak No. 39/4.L Bhojo-Ana, Post office Okara Cantt, Tehsil and District, Okara, Pakistan

Objective and Work Philosophy:

My primary objective to carry out problem oriented research which may create positive impact on humanity, meanwhile I build myself as great researcher as well as a great scientist

Areas of Expertise:

- ❖ Rearing of Invasive pests species
- ❖ DNA/RNA extraction
- ❖ PCR
- ❖ Real Time and quantitative PCR (qPCR)
- ❖ Bacterial host association
- ❖ Endosymbiotic bacteria' *Wolbachia pipientis*'
- ❖ Genomic evaluations (genome sequence analysis)
- ❖ Phylogentic analysis (MEGA5)

Research Intrests

- ❖ Agricultural Pest Management
- ❖ Forest Pest Management
- ❖ Microbial symbiosis
- ❖ Molecular research (Microbial Genomics)
- ❖ Biological insect pest control
- ❖ Insect ecology
- ❖ Grasshopper/ Locust management
- ❖ 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

Publications (First/Corresponding author)

- 1. Ali Habib**, A. Muhammad, N.B Sanda, Y. Huang, Y. Hou (2019). Pyrosequencing uncovers a shift in bacterial communities across life stages of *Octodonta nipae* (Coleoptera: Chrysomelidae). 2019. Frontier in Microbiology. 10: 466.
Impact Factor: 5.640
- 2. 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: 4.286
- 3. 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>.
Impact Factor: 2.381
- 4. Ali, Habib**, A Muhammad, W 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: 3.738
- 5. Ali Habib**, A. 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: 2.351
- 6. 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: 3.738
- 7. Ali Habib**, A 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
- 8. Ali Habib***, A. Nawaz, S. Fiaz, M. Qasim, KA Khan. Analysis of food resources, host availability and insecticidal impacts on the fecundity, longevity and parasitism efficiency of *Diaertiella rapae* (M'intosh). DOI: 10.1007/s42690-021-00472-0. International Journal of Tropical Insect Science.
Impact Factor: 0.921

9. **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.
Impact Factor: 0.40
10. **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 (*Diuraphous noxia* L.)(Hemiptera: Aphididae). African Journal of Agricultural Science and Technology (AJAST), 3(7): 310-315.
11. Nawaz A, **Ali Habib***, MD Gogi, S. Fiaz, M. Arfan, MA Khan, M. Qasim, M. Atiq, KA. Khan. Resistance assessment of different cultivars of okra (*Abelmoschus esculentus*) against whitefly (*Bemisia tabaci*). Gesunde Pflanzen. 2020. 72(4).1-9.
<https://doi.org/10.1007/s10343-020-00518-2>.
Impact Factor: 1.102
12. Nawaz A, **Ali Habib***, M. Sufyan, M.D. Gogi M.J. Arif, A. Ali, M. Qasim, W. Islam, M. Tayab, I. Bodla. (2020). In-vitro assessment of food consumption, utilization indices and losses promises of leafworm, *Spodoptera litura* (Fab.), on Okra crop. Journal of Asia Pacific Entomology (ISSN: 1226-8615). 23(1) 60-66
Impact Factor: 1.303
13. 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 (ISSN: 0085-5626). 2019 Sep 17.
<https://doi.org/10.1016/j.rbe.2019.09.001>. 63(4): 277-282
Impact Factor: 1.1033
14. Wqar Islam, M. Adnan, Asad Shabbir, Hassan Naveed, Muhammad Qasim, **Habib Ali***. Insect-fungal-interactions: A detailed review on entomopathogenic fungi pathogenicity to combat insect pests. Microbial Pathogenesis. 2021.
<https://doi.org/10.1016/j.micpath.2021.105122>
Impact Factor: 3.738
15. Munawar, S., Sagir, M., Mustafa, G., Ali, M.A., Niazi, A.K., Parvaiz, A., Yasmin, F., Mansoor, F., Kanwal, S., Rasheed, M. and Kehfulvara, H. Ali Hbaib S. Ullah i, AG. Al-Sehemi, MS Khan, FA Joyia (2021). In silico analyses of predicted substitutions in fibrinolytic protein ‘Lumbrokinase-6’ suggest enhanced activity. *Process Biochemistry*. 110: 292-301 <https://doi.org/10.1016/j.procbio.2021.08.022>
Impact Factor: 3.757
16. Mirza AQ, H Bilal, U NU, Habib Ali, H Raza, and M Wajid. 2021. Factors Affecting the Epizootics of Entomopathogenic Fungi-A Review. Journal of Bioresource Management
17. Umar Zeb, Xiukang Wang, Aziz Ullah, Sajid Fiaz, Habib Ali, Khuruam Shzad. 2021. Comparative genome sequence and phylogenetic analysis of chloroplast for evolutionary relationship among Pinus species. (Accepted) Saudi journal of Biological Sciences
Impact Factor: 4.223
18. Habib Ali et al. 2021. Diet impacts on the biological aspects of pink bollworm, *Pectinophora gossypiella* (Lepidoptera: Gelechiidae) under controlled laboratory conditions. PLOS ONE. 10.1371/journal.pone.0258431. **Impact Factor: 3.242**
19. A. Mahmood, MI Awan, S Sadaf, A Mukhtar X Wang, S Fiaz, SA Khan, **Habib Ali**, F Muhammad, Z Hayat, F Gul, S Fahad. 2021. Bio-diesel production of sunflower through sulphur management in a semi-arid subtropical environment. Environmental Science and Pollution Research. <https://doi.org/10.1007/s11356-021-16688-z> **Impact Factor: 4.223**

Research Publications (Co-author)

20. G. Wang, Y Zhou, B Tang, **Ali Habib**, Y Hou 2021. Immune function differences between two color morphs of the red palm

- weevil *Rhynchophorus ferrugineus* (Coleoptera: Curculionidae) at different life-stages. Ecology and Evolution. DOI: 10.1002/ece3.7474. 1-11. **Impact Factor: 2.912**
21. 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: 5.640**
 22. S Fiaz, X Wang, A Younas, B Alharthi, A Riaz, **Ali Habib**. Apomixis and strategies to induce apomixis to preserve hybrid vigor for multiple generations. GM Crops & Food. 2020. 12 (1).50-57. <https://doi.org/10.1080/21645698.2020.1808423>. **Impact Factor: 3.444**
 23. A. Rashid, A. Farid, L. Huo, **Ali Habib**, X. Wang. 2020. The genus *Cryptogonus* Mulsant (Coleoptera: Coccinellidae) from Pakistan, with description of a new species and a new record. Zootaxa (ISSN: 1175-5326) 4861(1): 145–150. <https://doi.org/10.11646/zootaxa.4861.1.11>. **Impact Factor: 1.099**
 24. M. Qasim, J. Ronliang, W. Islam, **Ali Habib**, K.A Khan, CK. Dash6, ZA. Jamal, L. Wang. Comparative pathogenicity of four entomopathogenic fungal species against nymphs and adults of citrus red mite on the citrus plantation. 2020. International Journal of Tropical Insect Science. 1-13. <https://doi.org/10.1007/s42690-020-00263-z> **Impact Factor: 0.921**
 25. Ali M, Niaz Y, Abbasi GH, Ahmad S, malik Z, Kamran M, Iqbal R, Zaheer MS, Bodlah MA, Nawaz M, **Ali Habib**. 2021. Exogenous Zinc Induced NaCl Tolerance in Okra (*Abelmoschus Esculentus*) by Ameliorating Osmotic Stress and Oxidative Metabolism. Communications in Soil Science and Plant Analysis. 1-3. <https://doi.org/10.1080/00103624.2020.1869761> **Impact Factor: 0.767**
 26. Islam, W., Noman, K.S., Qasim, M., **Ali Habib**, Haider, I., Hashem, M., Alamri, S., al Zoubi, O.M. and Khan, K.A., 2020. Phyto-derivatives: an efficient eco-friendly way to manage *Trogoderma granarium* (Everts)(Coleoptera: Dermestidae). International Journal of Tropical Insect Science, pp.1-12. **Impact Factor: 0.921**
 27. Chen, Z.; Wang, G.; Li, M.; Peng, Z.; **Ali, Habib.**; Xu, L.; Gurr, G.M.; Hou, Y. Development of Single Nucleotide Polymorphism (SNP) Markers for Analysis of Population Structure and Invasion Pathway in the Coconut Leaf Beetle *Brontispa longissima* (Gestro) Using Restriction Site-Associated DNA (RAD) Genotyping in Southern China. Insects **2020**, 11(4), 230. **Impact Factor: 2.769**
 28. Muhammad Rizwan, Pingping Liang, **Ali Habib**, ZhiguoLi, HongyiNie, Hafiz Sohaib Ahmed Saqib, Sajid Fiaz Qingsheng Niu, Songkun Su (2020). Population genomics of honey bees reveals a selection signature indispensable for royal jelly production. Molecular and Cellular Probe. 52: 101542. <https://doi.org/10.1016/j.mcp.2020.101542>. **Impact Factor: 2.573**
 29. Abdulle YA, Nazir T, Keerio AU, **Ali Habib**, Zaman S, Anwar T, Nam TD, Qiu D 2020. In vitro virulence of three *Lecanicillium lecanii* strains against the whitefly, *Bemisia tabaci* (Genn.)(Hemiptera: Aleyrodidae). <https://doi.org/10.1186/s41938-020-00328-8>. Egyptian Journal of Biological Pest Control. 30(1). **Impact Factor: 1.995**
 30. Y. Lei, W. Jaleel, MA. Khan, MF. Shahzad, S. Ali, R. Azad, ZM. Sarwar, S. Shahzad, X. Qiu, Y. He, L. LYU, AD. Abid, S. Hashim, M. Ali, RM. Ikram, M. Javed, **Ali Habib**, HA.

Ghramh, KA Khan. Effect of constant and fluctuating temperature on the circadian foraging rhythm of the red imported fire ant, *Solenopsis invicta* Buren (Hymenoptera: Formicidae). 2020. Saudi Journal of Biological Sciences. (2021). 28: 64-72. <https://doi.org/10.1016/j.sjbs.2020.08.032>. **Impact Factor: 4.219**

31. M.A. Khan, H. Riaz, M.Raheel, Q.Shakeel, U.Waheed, **Ali Habib**, N. Ahmed, M. Bashair, W. Ashraf, H.T. Abbas, M. Siddique, M. Khan, A. Naz, M. Shaheen, A. M. Arif, M.Nasir, M.J. Ansari, H.A. Ghramh, K. Ali Khan, In-Vitro and in-vivo management of nematodes, *Meloidogyne incognita* (Kofoid and White) Chitwood and *Rhizoctonia bataticola* (Taub.) Butler in cotton using organic's. Saudi Journal of Biological Sciences. (2021). 28: 1-9 . doi: <https://doi.org/10.1016/j.sjbs.2020.08.023>. **Impact Factor: 4.219**
32. Ali N; SH, Qari; M, Aqeel; N, Khalid; S, Alamri; NS, Bouqellah; M, Hashem; MH, Soliman; **Ali Habib**; I, Haider. Regulation of Capsicum immunity against microbial pathogens: Transcription factors in focus. Physiological and Molecular Plant Pathology. 2020. <https://doi.org/10.1016/j.pmpp.2020.101548.101548>. **Impact Factor: 2.747**
33. H Karar, MA Bashir, KA Khan, AB Gulshan, H Farooq, I Aziz, **Ali Habib**, HA Ghramh, G Abbas, SM Alghanem. Response of leading ber (*Zizyphus jujuba*) varieties against fruit flies (Tephritidae: Diptera) and estimation of their losses. Fresenius Environmental Bulletin. 2020. 112: 101548. **Impact Factor: 0.641**
34. Muhammad T. Rasheed, I. Bodlah, A G-Fareen, **Ali Habib** and Muhammad Asghar Bodlha Distribution and trophic associations of ant genus *Monomorium mayer* (1855) (Hymenoptera: Formicidae: Myrmicinae) with aphids in Pothwar region of Pakistan. The Journal of Animal and Plant Science. 2020. 30(2):391-397. **Impact Factor: 0.529**
35. Khalid Ali Khan, Ahmad A. Al-Ghamdi, Hamed A. Ghramh, Mohammad Javed Ansari, **Ali Habib**, Saad A. Alamri, Saad Naser Al-Kahtani, Nuru Adgaba, Muhammad Qasim, Muhammad Hafeez 2020. Structural diversity and functional variability of gut microbial communities associated with honeybee. Microbial Pathogenesis. <https://doi.org/10.1016/j.micpath.2019.103793>. 138: 103793. **Impact Factor: 3.738**
36. A. Nawaz; M.D. Gogi; M. Naveed, M. Arshad; M. Sufyan; M. Binyameen; S. Ul Islam; M. Waseem; M.B. Ayyu; M.J. Arif, **Ali Habib**. 2020. In vivo and in vitro assessment of trichoderma species and *Bacillus thuringiensis* integration to mitigate insect pests of brinjal (*Solanum melongena* L.). Egyptian Journal of Biological Pest Control. 30: 1-7. **Impact Factor: 1.995**
37. I. SU, Arif M, Lin W, Islam W, Qasim M, **Ali Habib**, Ali H, Khan KA, Ghramh HA, Du Z, Wu Z. 2020. Molecular identification of seven new Zygoteran genera from South China through partial cytochrome oxidase subunit I (COI) gene. Meta Gene. 25:100739. **Impact Factor: 3.688**
38. Zaynab M, Fatima M, Zafar MH, **Ali Habib**, Khan KA. Role of primary metabolites in plant defense against pathogens. Microbial Pathogenesis (2019). 137: 103728. doi: <https://doi.org/10.1016/j.micpath.2019.103728>. **Impact Factor: 3.738**
39. A G-Fareen, I. Bodlah, M A Bodlah, M T Rasheed, **Ali Habib**, M Asif. 2020. Colour and distributional pattern of *Callaspidia notata* (Boyer de Fonscolombe, 1832) Hymenoptera: Figitidae: Aspicterinae) from Pakistan. Pakistan Journal of Zoology. **Impact Factor: 0.790**

40. 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: 3.738**
41. 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: 3.738**
42. Muhammad Shakeel, Hussain Ali, Sajjad Ahmad, Fazal Said, Khalid Ali Khan, Muhammad Amjad Bashir, Syed Ishtiaq Anjum, Waqar Islam, Mohammad Javed Ansari, **Ali Habib**. 2018. Insect pollinator's diversity and abundance in *Eruca sativa* Mill. (*Arugula*) and *Brassica rapa* L. (Field mustard) crops. *Saudi Journal of Biological Science*. 27(7): 1704-1709. **Impact Factor: 4.219**
43. 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* (2018). 183:119-125. **Impact Factor: 3.112**
44. 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: 3.112**
45. Farkhanda Yasmin, Majeeda Rasheed, Saima Suleman, Maryam Arif, Waqas Farooq, Saghir Hussain, Jallat Khan, **Ali Habib**, 2021. Association of Alu-repeat Polymorphism and Myocardial Infarction in Pakistani Population. *Biomedical Letters*. DOI: <https://doi.org/10.47262/BL/7.1.20210111>. **Impact Factor: 0.51**
46. Manzoor M, **Ali Habib**, Shahzada 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. **Impact Factor: 0.15**
47. M. Nuaman, Frahatullah, N. Ahmad, F. Ahad, T. Iqbal, M. Noor, **Habib Ali**. 2021. Genetic variability and heredity estimates of morphological traits in F2 population of rapeseed (*Brassica carinata*. L). *Abasyn Journal of Life Sciences*: 3(1).1-8. **(HEC-Y Category)**
48. 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.
49. Naqve M, Wang X, Shahbaz M, Fiaz S, Naqvi W, Naseer M, Mahmood A, **Ali Habib**. Foliar Spray of Alpha-Tocopherol Modulates Antioxidant Potential of Okra Fruit under Salt Stress. *Plants*. 2021; 10(7):1382. <https://doi.org/10.3390/plants10071382> **Impact Factor: 3.935**
50. Y. Ali A, T. Nazir, S. Sayed, SF. Mahmoud, MZ Majeed, MS Nisar, A. Hussain, Z. Iqbal, **Habib Ali**, AU Keerio, D. Qiu. 2021. Anti-insect Effect of a Partially Purified Protein Obtained from *Lecanicillium lecanii* (Zimmermann) and its Putative Implication in Cotton (*Gossypium hirsutum* L.) Defense against *Bemisia tabaci* Genn. (Hemiptera: Aleyrodidae). *Agriculture*. **Impact Factor: 2.921**
51. Mahmood A, Wang X, Shahzad A.N, Fiaz S, **Ali Habib**, Naqve M, Javaid M.M, Mumtaz S, Naseer M, Dong R. Perspectives on Bioenergy Feedstock Development in Pakistan:

52. 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.
53. 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.
54. 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.
55. 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

Book Chapters Published

56. S Fiaz , SA Khan , GB Anis , Habib Ali , M Ali , K Ali , MA Noor ,S Ahmad , BA Asad. 2021. Application of genome engineering methods for quality improvement in important crops. John Wiley & Sons Publisher. Santosh K. U. (1st eds,), *Genome Engineering for Crop Improvement*. pISBN: 9781119672364. <https://doi.org/10.1002/9781119672425.ch3>
57. S Fiaz , SA Khan , MA Noor , A Younas , **Habib Ali** , K Ali ,MM Gaballah , GB Anis. 2021. *Genome engineering for food security*. John Wiley & Sons Publisher. Santosh K. U. (1st eds,), *Genome Engineering for Crop Improvement*. pISBN: 9781119672364. <https://doi.org/10.1002/9781119672425.ch21>.
58. S Fiaz, SA Khan, MA Noor, **Ali Habib**, N Ali, B. Alharthi, A Qayyum, F Nadeem. 2021. Chapter 3 - CRISPR/Cas9 regulations in plant science. *CRISPR and RNAi Systems. Nanobiotechnology; Approaches to Plant Breeding and Protection; Nanobiotechnology for Plant Protection*: Elsevier Publisher. <https://doi.org/10.1016/B978-0-12-821910-2.00035-7>. Pages 33-45
59. S Fiaz, SA Khan, MA Noor, A Younas, K shahzad, **Ali Habib**, N Ali, U Ashraf, F Nadeem. 2021. Chapter 13: Application of CRISPR/Cas system for genome editing in Cotton. *CRISPR and RNAi Systems. Nanobiotechnology; Approaches to Plant Breeding and Protection; Nanobiotechnology for Plant Protection*: Elsevier Publisher. <https://doi.org/10.1016/B978-0-12-821910-2.00010-2>. Pages 277-301
60. Fiaz, S., Noor, M .A., **Ali Habib**, Riaz, A. (2021). *CRISPR/Cas techniques: a new method for RNA interference in cereals*. Oxford Elsevie Publisher. Kamel A E., (1st eds,), *Genome Editing for Crop Improvements*. (Galley proof stage).
61. A Muhammad , M Ali, S Buajan, M Shakeel, Luqman, Habib Ali. Effects of mulching on insect populations with emphasis on pest control.2021. Springer nature (Galley Proof Stage)

Abstract Published

62. **Habib Ali**, S Fiaz , M Manzoor , Y Niaz , MA Bodlah , M Nawaz , S Khan.2021. Botanical plant extracts impose adverse effects on the population dynamics of cotton aphid, *Aphis*

gossypii Glover (Hemiptera; Aphididae). International Conference on Smart Plant Protection

63. MZ Iqbal , S Khan , Y Niaz , A Bodlah , **Habib Ali** , P Buroah , F Maken , He Yue-qi. 2021. Prevalence of *nosocomial Klebsiella pneumoniae* : risk factors and clinical impact. International Conference on Smart Plant Protection
64. M. Adnan Bodlah, I Bodlah, **Habib Ali**, M.M waqas. 2021. Apis and Non-Apis bee Fauna (Apoidea: Hymenoptera) of District Rahim Yar Khan, Punjab, Pakistan. International Conference on Bee Pollination Under Climate Change Scenario. 2021

Research Citations

- More than **380 Research Citations** so far

Research Project completed/Ongoing

- Won a project with the cost of 1 million as a **Co-Principle Investigator** entitled Floral evaluation of different cultivars of freesia cut flowers for human psychological therapy under subtropical climate of Pakistan” from **Higher Education Commission (HEC), Pakistan**.
- Submitted a project as **Project Manager** (Vide letter number: KFUEIT/AGEN/708) with the cost of **7.44 million** entitled Detection, infestation, phenotypic and genotypic characterization and biological control of economic pest, Red Palm Beetle (RPW), *Rhynchophorus ferrugineus* (Olivier) to the **Punjab Agricultural Research Board (PARB), Pakistan**.
- Submitted a project as **Principal Investigator** (PI) (Vide letter number: KFUEIT/AGEN/656) with the cost of **5.5 million** entitled Biological, behavioral and molecular characterization of desert locust, *Schistocerca gregaria* (Orthoptera: Acrididae) to the Government of Punjab, Punjab Higher Education Commission (PHEC), Punjab Innovation and Research Challenge Award, Pakistan.
- Won a project as **Principle Investigator** (PI) with the cost of **0.5 million** 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.
- 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
- 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.
- Working on a project as a **Principle Investigator** entitled Bio-Pesticidal 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.
- Completed **3-Months and two weeks** Internship research at Entomological Research Institute, Nuclear Institute for Agriculture & Biology (NIAB) Faisalabad. Pakistan

International/National Conferences/Webinar/Workshops

- Certificate of Participation on **4th International Conference on Bio-Sciences (ICBS-2021)** Organized by Biological Society of Pakistan (BSP) Collaboration with Quaid-e-Azam University, Pakistan.
- Certificate of participation and abstract published in International conference on Smart Plant protection on 26-27 January, 2021 at Muhammad Nawaz Sharif University of Agriculture, Multan, Pakistan
- Certificate of participation International webinar entitled '**World Soil Day Celebration**' held at 05 December 2020 jointly collaboration with Pakistan academy of Sciences, University of Agriculture Faisalabad, Fauji Fertilizer Company, Wageningen UR, Global Soil Partnership of the FAO, University of Cape Town, Muhammad Nawaz UNIVERSITY of Multan and Pir Mahr Ali Shah Forman Christian College University, International Service for Acquisition of Agri-Biotech Application, CropLife Pakistan and Pakistan Biotechnology Information Center
- Certificate of participation International webinar entitled '**Global Impact on GM Crops**' held at 17 November 2020 jointly collaboration with Pakistan academy of Sciences Agriculture Policy, University of Agriculture Faisalabad, Forman Christian College University, International Service for Acquisition of Agri-Biotech Application, CropLife Pakistan and Pakistan Biotechnology Information Center
- Certificate of participation '**1st International symposium on current trends and future perspectives in botanical research**' at Tuesday-24 November, 2020 hosted by University of Okara, Pakistan
- 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 at **Emerging Scientist 2020 (ES 2020)** in Faisalabad, Pakistan
- Abstract accepted for oral presentation as a **Speaker** of **International Coference on Food Processing Technology** during September 14-16, 2020 at **Hampton by Hilton Paris Clichy, Paris, France**.
- Actively participated in the '**Farmers Meeting Cum worksop 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.

Academic/ Research Trainings

- Certificate of participation **1st International Webinar on Global Trends in combating Environmental and Agricultural** issue at 5th June 2021 in Department of Environmental Sciences, University of Okara
- Certificate of successfully completion Training of Webinar entitled **Dissecting the scholarly publishing process. An overview and guidance** on publishing by John Wiley & Sons, publishing company
- Certificate of completion of training '**Essential Academic Documents to Ensure Career Success**' on December 15, 2020 by LetPub Learning Nexus, United States
- Certificate of successfully Completion of Trainings on Paper Peer Review (**25 trainings**) by Elsevier Researcher Academy.
- Certificate of appreciations for organizing one day Seminar at October 23, 2020 on **Dengue awareness and Preventive Measurement** in collaboration with department of Agricultural Engineering, KFUEIT AND District Health authority, Rahim Yar khan
- Successfully completed a course of Intellectual property: **Inventors, Entrepreneurs, Creators, developed by our partner Michelson Institute for intellectual property** ; an initiative of the Michelson 20MM foundation by National academy of Inventors
- Successfully completed **iBiology Course** Share Your Research: How to Give a Good Talk at March 21, 2021
- Certificate of completion '**Elsevier-HEC Workshop on Journal indexing in Scopus**' on Thursday 21 January, 2021 by Higher Education Commission of Pakistan and Researcher Academy, Elsevier
- Certificate of successfully Completion of training entitled **Improving Research Planning skills using Elsevier Tools- Science Direct & Scopus@ KFUEIT** at Monday 15 February, 2021 by Researcher Academy with partnership of Elsevier and Khwaja Fareed University of Engineering and Information Technology, Pakistan
- Certificate of successfully Completion of training entitled **How to manage your reference using RefWorks** research at December 01, 2020 by ProQuest Education with partnership Higher Education Commission, Pakistan.
- Certificate of successfully Completion of training entitled **Dissertation and thesis eLearning companion and author service marketplace** at January 19, 2021 by ProQuest Education with partnership Higher Education Commission
- Certificate of successfully Completion of training entitled **Discover ProQuest Dissertation and Thesis Global, the largest collection for electronic dissertation and thesis in the world** at November 24, 2020 by ProQuest Education with partnership Higher Education Commission, Pakistan.
- Certificate of successfully Completion of training **entitled ProQuest s Introduction to publishing in academic journals part1** at December 08, 2020 by ProQuest Education with partnership Higher Education Commission, Pakistan.
- Certificate of successfully Completion of Training entitled **HEC digital library collections for your next scholarly** research at October 14, 2020 by ProQuest Education with partnership Higher Education Commission, Pakistan.
- Certificate of successfully Completion of Trainings entitled **5 tips for getting published: Maximize your chance to get your paper accepted in academic journals at October 27, 2020 by ProQuest Education with** partnership Higher Education Commission

- 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 Completion of Trainings on “**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 The Swedish International Agriculture Network Initiative (SIANI), Sweden <https://www.siani.se/member/dr-habib-ali/>
- Awarded a membership of **Council of Asian Science Editors** <https://www.asianeditor.org/membership/members.php>
- Awarded a Membership of **Asian Council of Science Editors** (Membership No: 92.21935)
- Member of **Young professional for Agricultural Development** <https://ypard.net/user/me>
- Member of **Young Entomology Society**, UAF
- Member of LiveDNA <https://livedna.org/92.21935>
- Membership of Epigenetics Society
- Member of **Scientific Asia** group
- Affiliated as Academic Editor of **Advances in Agriculture** Hindawi Publisher <https://www.hindawi.com/journals/aag/editors/>
- Affiliated as **Editorial Board member** of ‘Journal of Agriculture and Applied Biology’ <http://jaabjournal.org/index.php/jaab/about/editorialTeam>
- Affiliated as **Editorial Board member** of ‘International Journal of Zoology and Animal Biology’ <https://medwinpublishers.com/IZAB/editorial-board.php>
- 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.econicon.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

Professional Honors and Awards

- ❖ Nominated in **Asia Scientists and University Ranking-AD Scientific Index 2021**
<https://www.adscientificindex.com/index.php?con=Asia&tit=&q=habib+ali>
- ❖ Awarded the status of **Higher Education Commission (HEC) Approved Ph.D Supervisor** by Higher Education Commission, Pakistan
- ❖ **Nominated and registered as a Scientist in the African Scientist Directory** collaboratively developed by SA Dept. of Science and Innovation (DSI), the Academy of Science of South Africa (ASSAf), the International Science Council Regional Office for Africa (ISC ROA), <http://africanscientists.africa/business-directory/ali-2/>
- ❖ Achieved **Chinese Government Outstanding International Student** of 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 to 2018.
- ❖ 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.

Teaching/ Working Experience:

- **16 July 2020 to Continue:** Working as a **Lecturer (BPS-18)** at Department of Agricultural Engineering, Khawaja Fareed University of Engineering and Information Technology, Rahim Yar Khan, Punjab, Pakistan
- **3 June 2019 to 03 June 2020:** **One-year** work experience as **Assistant Professor (BPS-19: IPFP)** at University of Agriculture Faisalabad, Depalpur Campus, Okara, Pakistan.
- **15 October 2015 to 15 September 2018:** More than **3 years** of work experience as 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
- **2 years'** work experience as **Sale Officer** from 12 November 2012 to 28 August 2014 at Bio AG Services of Pakistan.

Administrative Experience:

- Working as **Incharge Agriculture Research Farms**, Khawaja Fareed University of Engineering and Information Technology, (KFUEIT) Rahim Yar Khan, Punjab, Pakistan
- Working as **Incharge/Convener Horticulture Department**, KFUEIT, Pakistan
- Working as **Incharge Cleaning Department**, KFUEIT, Pakistan
- Working as **Focal Person Apiculture Project** at KFUEIT, Pakistan

References

▪ **Dr. Ahmad Nawaz**
Associate Professor
University of Agriculture Faisalabad,
Pakistan.
Phone. +92 333 8962334
Emil: ahamadnawaz.uaf@gmail.com

▪ **Professor Dr. Youming Hou**
Professor,
Fujian Agriculture and Forestry University,
Fuzhou, Fujian, China
Phone. +86-591-83789214 Fax: +86-59183789365
Emil: ymhou@fafu.edu.cn,
yominghou@yahoo.com

▪ **Dr. Muhammad Mohsin Waqas**
Assistant Professor (HoD),
Khawaja Fareed University of
Engineering and Information
technology, Rahim Yar Khan, Pakistan.
Phone. +92 333-6186925