

RESEARCH PUBLICATIONS

1. Yuankai, C; Wei, Z; Mengdi, Y; **Ali, F**; Tao, W; and Rende, Q (2019). Evaluation of recombinase polymerase amplification assay for detecting *Meloidogyne javanica*. *Plant Disease* <https://doi.org/10.1094/PDIS-07-19-1473-RE>
2. Chen, H; Qu, M; **Ali, F**; Lin, L; Xie, M; Zhang, G; and Su, W. (2019). Expression analysis of odorant-binding protein genes and chemosensory protein genes in *Anomala corpulenta* Motschulsky (Coleoptera: Scarabaeidae). *Journal of the Kansas Entomological Society* 92(1):376-389.
3. Chen, H; Lin, L; **Ali, F**; Xie, M; Zhang, G; and Su, W. (2019). Genome-wide analysis of developmental stage-specific transcriptome in *Bradysia odoriphaga*. *Comparative Biochemistry and Physiology-D Genomics and Proteomics* 30:45-54.
4. **Ali, F.**, Khan, J., Zada, A., Faheem, B., Khan, I., Salman, M and Khan, K. (2019). Bio-insecticidal efficacy of botanical extracts of Citronella and Cinnamon against *Tribolium castaneum*, *Sitophilus oryzae* and *Drosophila melanogaster* under laboratory conditions. *Fresenius Environmental Bulletin* 28 (4A):3104-3109.
5. Yang, X., Alattala, M.N., Zhang, Y., Zhang, A.F., Zang, H.Y., GU, C.Y., Gao, T.C., Chen, Y., **Ali, F.**, Yao, J., Li, Y.F. & Zhu, J.G. (2018). Rapid Detection of the Rice False Smut Disease caused by *Ustilaginoidea virens* (teleomorph: *Villosiclava virens*) from rice using Loop Mediated Isothermal Amplification Assay. *Plant Disease* 102(9):1741-1747.
6. **Ali, F.**, Khan, MQ., Anjum, MZ., Khattak, I. (2018). Toxic effect of Atrazine herbicide on the hematological indices of Snow Carp (*Schizothorax plagiostomus*): An indigenous fish species of economic importance. *Fresenius Environmental Bulletin* 27(5):3075-3080.
7. Yuankai, C; Wei, Z; Tao, W; Qingqing, C; **Ali, F** and Rende, Q. (2018). Effect of different seed dressing agents on wheat rot and cereal cyst nematode. *Acta Phytopathologica Sinica* 48 (5): 693-699.
8. Khan, ZH., Khalil, SK., **Ali, F.**, Islam, B., Iqbal, A., Ullah, I., Ali, M. and Shah, F. (2018). Variations in planting dates of sweet corn affect its agronomic traits via altering crop micro-environment. *Fresenius Environmental Bulletin* 27(7):4822-4829.
9. Rehman, GU., Ali, M., Shah, F., Iqbal, A., Ahmad, A., Hayat, Z., Islam, B., **Ali, F.**, Ullah, I., Jamal, Y., Alam, S., Sajjad, M and Bhatti, MZ. (2017). Prevalence of Diabetes Type 2 in Hepatitis C Infected Patients in KPK-Pakistan. *Biomed Research International* 2017: 1-4.
10. Khan, N., Ullah, I., Khan, WA., Qadri, R., Khan, MM., Feixue, Z., Ruimin, T., Islam, B., Shah, F., **Ali, F.**, Hayat, Z and Iqbal, I (2017). Effect of Harvesting Stage on Quality Losses of Persimmon Fruits during Storage. *Madridge Journal of Food Technology* 2(1):79-84.

11. **Ali, F** and Wharton, DA. (2017). A survey of entomopathogenic nematodes from Otago, New Zealand, with the first record of *Steinernema kraussei* (Steiner, 1923) (Rhabditida: Steinernematidae) from the Southern Hemisphere. *New Zealand Journal of Zoology* 44 (3):245-255.
12. Khan, ZH., Khalil, SK., Shah, F., Iqbal, A., **Ali, F.**, Islam, B., Ikramullah., and Ali, M. (2017). Plant density and nitrogen doses can affect growth of sweet corn. *Fresenius Environmental Bulletin* 26(2017):3872-3879.
13. Khan, AA., Sajid, M., Iqbal, A., Khan, ZH., Islam, B., **Ali, F.**, Ali, K., Ahmad, A., Sajjad, M., Arif, M., Ali, W., and Shah, F. (2017). Improving yield and mineral profile of tomato through changing crop micro-environment. *Fresenius Environmental Bulletin* 26(8):4911-4918.
14. Khan, AA., Sajid, M., Rab, A., Amin, NU., Iqbal, A., Shah, F., Islam, B., **Ali, F.** and Ali, W. (2017). Effect of mixture of nitrogen from poultry manure and urea on mineral profile of tomato grown in KPK-Pakistan. *Communications in Soil Science and Plant Analysis* 48(12):1486-1493. doi:10.1080/00103624.2017.1374395.
15. Khan, J; Khan, I; Qahar, A; Salman, M; **Ali, F**; Salman, M; Khan, K; Hussain, F and Abbasi, A. (2017). Efficacy of Citronella and Eucalyptus Oils against *Musca domestica*, *Cimex lectularius* and *Pediculus humanus*". *Asian Pacific Journal of Tropical Disease* 7 (11):691-695.
16. Chen, H; Lin, L; **Ali, F**; Xie, M; Zhang, G; and Su, W. (2017). Using next-generation sequencing to detect differential expression genes in *Bradysia odoriphaga* after exposure to insecticides. *International Journal of Molecular Sciences* 18 (11) 2445.
17. **Ali, F.**, and Wharton, D.A. (2016). Ice active substances from the infective juveniles of the freeze tolerant entomopathogenic nematode, *Steinernema feltiae*. *PLoS ONE* 11(5): e0156502.
18. **Ali, F.**, Khan, I., Zakirullah., Ali, A and Rahman, AU (2016). Study on the population trend of brinjal fruit borer *Leucinodes orbonalis* guen. (Lepidoptera: Pyralidae) and its susceptibility to different insecticides. *ARNP Journal of Agricultural and Biological Science* 11 (7):262-266.
19. **Ali, F.**, and Wharton, D.A. (2015). Infective juveniles of the entomopathogenic nematode, *Steinernema feltiae* produce cryoprotectants in response to freezing and cold acclimation. *PLoS ONE* 10(10): e0141810
20. **Ali, F.**, and Wharton, D.A. (2014). Intracellular freezing in the infective juveniles of *Steinernema feltiae*: An entomopathogenic nematode. *PLoS ONE* 9(4): e94179.
21. Wadood, A., Riaz, M., Mulk, AU., Khan, M., Haleem, SA., Shams, S., Gul, S., Ahmed, A., Qasim, M., **Ali, F** and Haq, ZU. (2014). Design of New and Potent Diethyl

Thiobarbiturates as Urease Inhibitors: A Computational Approach. *Bioinformation* 10 (5): 299-307.

22. Uzair, K., Ullah, J., Saeed, B., and **Ali, F.** (2014). Effect of potassium sorbate and sodium benzoate on the quality and shelf-life of strawberry jam during storage. *ARPJ Journal of Agricultural and Biological Science* 9 (12): 454-458.
23. Wadood, A., Rehman, AU., Shams, S., Khan, M., Rahman, TU., Jamal, SB., Khan, A., Ahmad, A., and **Ali, F.** (2014). Homology Modeling, Molecular Dynamic Simulation and Phylogenetic Analysis of Human Transient Receptor Potential Melastatin 1 (TRPM1). *International Journal of Computational Bioinformatics and In Silico Modeling* 3 (3): 381-387.
24. **Ali, F.**, and Wharton, D.A. (2013). Cold tolerance abilities of two entomopathogenic nematodes, *Steinernema feltiae* and *Heterorhabditis bacteriophora*. *Cryobiology* 66:24-29.
25. Saeed, B., Gul, H., **Ali, F.**, Zaman, AK., Nasrullah., Anwar, S., Alam, S., Khalid, S., Naz, A., and Azra. (2013). Effect of soil and foliar fertilization of nitrogen and sulfur on physiological and quality assessment of wheat (*Triticum aestivum* L.). *Natural Science* 5 (9): 1012-1018.
26. Khalid, S., Saeed, B., **Ali, F.** and Alam, S. (2013). Hydro Meteorological characteristics of Chitral River at the peak of hindukash range. *Natural Science* 5 (9): 987-992.
27. Ansari, MA., Adhikari, NB., **Ali, F.**, and Moens, M. (2008). Susceptibility of *Hoplia philanthus* (Coleoptera: Scarabaeidae) Larvae and Pupae to Entomopathogenic Nematodes (Rhabditida: Steinernematidae, Heterorhabditidae). *Biological Control* 47:315-321.
28. Ansari, MA., **Ali, F.**, and Moens, M. (2006). Compared virulence of the Belgian isolate of *Steinernema glaseri* (Rhabditida: Steinernematidae) and the type population of *S. scarabaei* to white grub species (Coleoptera: Scarabaeidae). *Nematology* 8: 787-791.
29. **Ali, F.**, Hayat, B., Rahman, AR., and Shah, SB. (2004). Population density of cotton whitefly *Bemisia tabaci* and mites *Tetranychus urticae* on brinjal and their chemical control. *Asian Journal of Plant Sciences* 3 (5): 589-592.

Accepted

- Huma, Z., Saljoqi, AR., **Ali, F.**, Khan, F., Usman, A. (2019). Efficacy of entomopathogenic nematodes against *Heterotermes indicola* (Isoptera: Rhinotermitidae) in the laboratory. *Proceedings of the Pakistan Congress of Zoology* 38:195-204.

CONFERENCE PROCEEDINGS

1. Huma, Z., Saljoqi, AR., Ali, F., Khan, F., Usman, A. (2018). Virulence of entomopathogenic nematodes to *Heterotermes indicola* (Isoptera: Rhinotermitidae) in the laboratory. Proceedings of the 38th Pakistan Congress of Zoology (International), Lahore. Para-40, 265.
2. Ali, F., and Wharton, D.A. (2015). Freeze them but not to death. Proceedings of the 1st International conference on “Biobanking and tissue preservation” Barcelona, Spain.
3. Ali, F., and Wharton, D.A. (2014). Intracellular freezing in entomopathogenic nematodes. Proceedings of the 5th International Conference on Agriculture, Food Security, and Climate Change, Rawalakot, Pakistan.
4. Ali, F., and Wharton, D.A. (2009). Cold tolerance of entomopathogenic nematodes. Proceedings of the 3rd international symposium on the Physiology of Ectotherms and Plants, Tsukuba, Japan.
5. Ali, F., and Wharton, D.A. (2009). Cold tolerance of entomopathogenic nematodes. Proceedings of the 62nd Plant Protection Conference at Dunedin, New Zealand.
6. Ali, F., and Wharton, D.A. (2008). Cold tolerance mechanisms of entomopathogenic nematodes. Proceedings of the 5th International Congress of Nematology, Brisbane, Australia.