

LIST OF PUBLICATIONS – DR. FAWAD ZAFAR AHMAD KHAN

FIRST AUTHOR PEER-REVIEWED PUBLICATIONS:

15. **Khan, F. Z. A.**, Paudel, S., Saeed, S., Ali, M., ... & Manzoor, S. A. (2023). Mitigating the Impact of the Invasive Fall Armyworm: Evidence from South Asian Farmers and Policy Recommendations. *International Journal of Pest Management*, 2205834. <https://doi.org/10.1080/09670874.2023.2205834>
14. **Khan, F. Z. A.** & Joseph, S. V. (2022). Vertical Distribution of Arthropod Interactions Within Turfgrass. *Journal of Insect Science*, 22(5): 1-7. <https://doi.org/10.1093/jisesa/ieac050>
13. **Khan, F. Z. A.** & Joseph, S. V. (2022). Assessment of predatory activity in residential lawns and sod farms. *Biological Control*, 169, 104885. <https://doi.org/10.1016/j.biocontrol.2022.104885>
12. **Khan, F. Z. A.**, Joseph, S. V., Hudson, W. G. (2022), Biology and management of brown marmorated stink bug in the ornamental landscape, UGA circular publication 1248. <https://extension.uga.edu/publications/detail.html?number=C1248>
11. **Khan, F. Z. A.** and S.V. Joseph (2021) Influence of the color, shape, and size of the clay model on arthropod interactions in turfgrass. *Journal of insect science*. 21: 1-15 <https://doi.org/10.1093/jisesa/ieab070>
10. **Khan, F. Z. A.**, S. A. Manzoor, H. T. Gul, M. Ali, M. Haseeb, Imran, M. Usama, M. Taqi, S.A. Manzoor, M.A. Bashir, M. Akmal, M. Lukac, S.V. Joseph (2021) Drivers of farmers' intention to adopt integrated pest management (IPM): a case study of vegetable farmers in Pakistan. *Ecosphere*. 12(10), e03812 <https://doi.org/10.1002/ecs2.3812>
9. **Khan, F. Z. A.**, Manzoor, S. A., Akmal, M., Imran, M. U., Taqi, M., Manzoor, S. A., & Joseph, S. V. (2021). Modeling pesticide use intention in Pakistani farmers using expanded versions of the theory of planned behavior. *Human and Ecological Risk Assessment: An International Journal*, 27(3), 687-707. <https://doi.org/10.1080/10807039.2020.1750345>
8. **Khan, F. Z. A.**, & Joseph, S. V. (2021). Characterization of impressions created by turfgrass arthropods on clay models. *Entomologia Experimentalis et Applicata*, 169(6), 508-518. <https://doi.org/10.1111/eea.13000>

7. **Khan, F. Z. A.,** Joseph, S. V., Hudson, W. G. (2020), Fall webworms: Biology and Management. UGA circular publication 1197.
<https://extension.uga.edu/publications/detail.html?number=C1197>
6. **Khan, F. Z. A.,** Joseph, S. V., Hudson, W. G. (2020), Mite management in turfgrass. UGA circular publication 1178.
<https://extension.uga.edu/publications/detail.html?number=C1178>
5. **Khan, F. Z. A.,** Joseph, S. V., Hudson, W. G. (2019), Southern chinch bug: Biology and management in turfgrass. UGA circular publication 1147.
<https://extension.uga.edu/publications/detail.html?number=C1147>
4. **Khan, F. Z. A.,** S. V. Joseph, W. G. Hudson (2019), Two-lined spittlebug: Biology and management in turfgrass. UGA circular publication 1157.
<https://extension.uga.edu/publications/detail.html?number=C1157>
3. **Khan, F. Z. A.,** Sagheer, M., Hasan, M., Hassan, N., Farhan, M., & Rahman, A. (2014). Bioactivity of *Nigella sativa*, *Syzygium aromaticum*, and *Trachyspermum ammi* extracts against *Tribolium castaneum* (Herbst.) (Coleoptera: Tenebrionidae). *Journal of Entomology and Zoology Studies*, 2(3), 103-105.
<https://www.entomoljournal.com/vol2Issue3/pdf/33.1.pdf>
2. **Khan, F. Z. A.,** Sagheer, M., Hasan, M., Saeed, S., Majid, A., Gul, H. T., M. Bukhari, A. Latif, A. Khaliq, A. Hussain (2013). Biocidal effects of acetone-based plant extracts of *Murraya exotica*, *Murraya koenigii*, and *Nicotiana tabacum* on Stored Grain insect pest, *Tribolium castaneum*. *International Journal of Biosciences*. 3(12), 44-49.
<https://www.innspub.net/wp-content/uploads/2013/12/IJB-V3No12-p44-49.pdf>
1. **Khan, F. Z. A.,** Sagheer, M., Hasan, M., Gul, H. T., Hasan, F., Manzoor, S. A., & Wahid, A. (2013). Agricultural dynamics in Pakistan: current issues and solutions. *Russian Journal of Agricultural and Socio-Economic Sciences*, 20(8), 20-26.
https://rjoas.com/issue-2013-08/article_03.pdf

CO-AUTHOR PUBLICATIONS

14. Zahid, M, Ali, M., **Khan F. Z. A.,** Iqbal, N., Khan M. A., Saeed, S. (2023). Exploring the best native insect pollinators for the reproductive success of *Bauhinia variegata* L. (Fabaceae) in Multan, Pakistan. *Pakistan Journal of Botany*, 55(5):1909-1914.
<http://www.pakbs.org/pjbot/archives2.php?vol=55&iss=5&yea=2023>

13. Tao, X., Xiang, F., **Khan, F. Z. A.**, Yan, Y., Ma, J., Xu, B., & Zhang, Z. (2023). Decomposition and humification process of domestic biodegradable waste by black soldier fly (*Hermetia illucens* L.) larvae from the perspective of dissolved organic matter. *Chemosphere*, 137861. <https://doi.org/10.1016/j.chemosphere.2023.137861>
12. Sajjad, A., Saeed, S., Ali, M., **Khan, F. Z. A.**, Kwon, Y. J. & Devoto, M. (2017). Effect of temporal data aggregation on the perceived structure of a quantitative plant–floral visitor network. *Entomological Research*, 47(6), 380-387. <https://doi.org/10.1111/1748-5967.12233>
11. Shakeel, M., Farooq, M., Nasim, W., Akram, W., **Khan, F. Z. A.**, Jaleel, W. & Hussain, S. (2017). Environment polluting conventional chemical control compared to an environmentally friendly IPM approach for control of diamondback moth, *Plutella xylostella* (L.), in China: a review. *Environmental Science and Pollution Research*, 24(17), 14537-14550. <https://link.springer.com/article/10.1007/s11356-017-8996-3>
10. Gul, H. T., Saeed, S., & **Khan, F. Z. A.** (2014). Entomopathogenic fungi as effective insect pest management tactic: A review. *Applied Sciences and Business Economics*, 1(1), 10-18. <http://www.asbejournal.org/10-18.pdf>
9. Sagheer, M., Hasan, M., Hassan, N., Farhan, M., **Khan, F. Z. A.**, & Rahman, A. (2014). Repellent effects of selected medicinal plant extracts against rust-red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *Journal of Entomology and Zoology Studies*, 2(3), 107-110. <https://www.entomoljournal.com/archives/2014/vol2issue3/PartB/45-524.pdf>
8. Mansoor-ul-Hasan, S. M., Farhan, M., Najam-ul-Hassan, M., Haidri, S. R., Bukhari, M., Gul, H. T., & **Khan, F. Z. A.** (2014). Repellent potential of *Azadirachta indica* A. Juss. and *Glycyrrhiza glabra* L. against cowpea bruchid, *Callosobruchus chinensis* L.(Coleoptera: Bruchidae). *Journal of Biodiversity and Environmental Sciences*, 5(1), 405-409. <https://www.innspub.net/wp-content/uploads/2014/07/JBES-Vol5No1-p405-409.pdf>
7. Gul, H. T., Saeed, S., **Khan, F. Z. A.**, & Manzoor, S. A. (2014). Potential of nanotechnology in agriculture and crop protection: A. *Applied Sciences and Business*

- Economics*, 1(2), 23-28. <http://www.asbejournal.org/Potential-of-Nanotechnology-in-Agriculture-and-Crop-Protection-A-Review.pdf>
6. Sagheer, M., Rashid, A., Ali, K., Majid, A., & **Khan, F. Z. A.** (2014). Growth regulatory activities of indigenous plant extracts against red flour beetle, *Tribolium castaneum* (Herbst)(Coleoptera: Tenebrionidae). *Pakistan Journal of Agricultural Sciences*, 51(4). <https://pakjas.com.pk/papers/2368.pdf>
 5. Sagheer, M., Hasan, M., Ali, Z., Yasir, M., Ali, Q., Ali, K., & **Khan, F. Z. A.** (2013). Evaluation of essential oils of different citrus species against *Trogoderma granarium* (Everts)(Coleoptera: Dermestidae) collected from Vehari and Faisalabad districts of Punjab, Pakistan. *Pakistan Entomologist*, 35, 37-41. <http://www.pakentomol.com/cms/pages/tables/upload/file/5a041526c6f4107.pdf>
 4. Sagheer, M., Hasan, M., Rehman, H., **Khan, F. Z. A.**, Ali, Q., Ali, K., Ayyub M. B., Gul, H. T., Tarar, U. A. (2013). Screening of some medicinal plant extracts for toxic and repellent potential against adult stage of rust red flour beetle, *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *International Journal of Biosciences*. 3(9), 273-279. <https://www.innspub.net/wp-content/uploads/2013/09/IJB-V3No9-p273-279.pdf>
 3. Khaliq, A., Hasan, M., Sagheer, M. & **Khan, F. Z. A.** (2013). Varietal screening and development of rice weevil, *Sitophilus oryzae* (L.) in advanced rice genotypes at different temperatures. *International Journal of Biosciences*, 3(9), 287-292. <https://www.innspub.net/wp-content/uploads/2013/09/IJB-V3No9-p287-292.pdf>
 2. Sagheer, M., Hasan, M., Rehman, H., **Khan, F. Z. A.**, Gul, H. T., Haidri S. R., Aftab, M., Ali, J., Amjad, T., Bajwa, Y. S. (2013). Growth Regulatory Potential of Five Indigenous Plant Extracts against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *International Journal of Biosciences*. 3(12), 50-54. <https://www.innspub.net/wp-content/uploads/2013/12/IJB-V3No12-p50-54.pdf>
 1. Hasan M, Sagheer, M., Khaliq, A., **Khan, F. Z. A.**, Javed, M. & Nadeem, M. (2013). Assessment of relative resistance in advanced rice genotypes in response to variation in abiotic factors and development of *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). *International Journal of Biosciences*, 3(12), 33-38. <https://www.innspub.net/wp-content/uploads/2013/12/IJB-V3No12-p33-38.pdf>

EXTENSION PUBLICATIONS (URDU)

9. **Khan, F. Z. A.** (2022). Fall armyworm management in Autumn Maize, Zarai Magazine, MNS University of Agriculture, Multan, Pakistan.
8. Qadir, Z. A., Idrees, A., Bashir, H., **Khan, F. Z. A.**, Javed, M. B. (2015). Zakheera Shuda Ajnaas Ke Mites Aur Un Ka Insidaad (Stored Grain Mites and Management) (March Issue) Kisan Wing Magazine Lahore.
7. Qadir, Z. A., **Khan, F. Z. A.**, Javed, B., Mehmood, R. (2015). Shehad Ke Makhiyon Ke beemariyan (An overview of Diseases of Honey bee). (February Issue) Kisan Wing Magazine Lahore.
6. Sagheer, M., Hassan, M., Rehman, H., **Khan, F. Z. A.**, Ali, K., Ali, Q. (2014). Arq e Nabataat se Aatay Ke Susri Ka Mosar Insidaad (Management of red flour beetle by plant extracts). University Agricultural Digest (January Issue) University of Agriculture, Faisalabad.
5. Awais, M., Zeeshan, M., Sagheer, M., Hasan, M., **Khan, F. Z. A.** (2014). Hashraat ka Poudoon ke Eham Beemarian Ke Phelao Me Kirdaar Aur Un Ka Insidaad (Vector transmission of Plant diseases by insects and their management). University Agricultural Digest (April Issue) University of Agriculture, Faisalabad
4. Sagheer, M., Hassan, M., **Khan, F. Z. A.**, Ali, K. (2013). Mosam Sarma Ke Sabziyon Ke Zarar Rassan Keeray Or Un Ka insidaad (Insect pests of winter vegetables and their management) University Agricultural Digest (July Issue) University of Agriculture, Faisalabad.
3. Sagheer, M., Hassan, M., **Khan, F. Z. A.**, Ali, K. (2013). Chanay ke Hashraat or Unka Insidaad (Insect pests of chickpeas and their management). University Agricultural Digest, (January Issue) University of Agriculture, Faisalabad.
2. Ahmed, F., Sagheer, M., Hassan, M., Ali, K. **Khan, F. Z. A.** (2013). Tahafuz e Khuraak or Iski Ehmiyat (Food security and its significance). University Agricultural Digest, (January Issue) University of Agriculture, Faisalabad.
1. Sagheer, M., Hassan, M., **Khan, F. Z. A.** (2012). Zakheera Shuda Ajnaas Ke Keray Or Unka Insidaad (Stored grain insects and their management). University Agricultural Digest, (December Issue) University of Agriculture, Faisalabad.

NON-REFERRED ARTICLES

5. **Khan, F. Z. A.,** Joseph, S. V. (2023) Predation in turfgrass: How is it distributed within canopy? Turf and Ornamental Pest Management Blog UGA.
<https://site.caes.uga.edu/entomologyresearch/2023/08/predation-in-turfgrass-how-is-it-distributed-within-canopy/>
4. **Khan, F. Z. A.,** Joseph, S. V. (2021) Brown Marmorated Stink Bug: Look for this landscape pest in spring and summer. GUAC Magazine Spring 2021 pp. 18-20
3. **Khan, F. Z. A.** (2021) Fall armyworm invasion in Pakistan.
<https://fawadzakhan.medium.com/fall-armyworm-a-food-security-threat-to-pakistan-f50219c5e793>
2. **Khan, F. Z. A.,** Joseph, S. V., Hudson, W. (2019), Southern chinch bug: What you should know about biology and control. UAC Magazine Summer 2019 pp. 18-20 (Available online on <https://www.yumpu.com/en/document/view/62705526/uac-magazine-summer-2019>)
1. **Khan, F. Z. A.** (2016). Understanding Pesticide Safety - Basic Community Guidelines (Available online on <https://www.technologytimes.pk/understanding-pesticide-safety-basic-community-guidelines-2/>)

CONFERENCE PRESENTATIONS:

7. **Khan, F. Z. A.** (2022) Farmer survey to assess fall armyworm infestation and management in Pakistan. Conference on IPM strategies for FAW Management, September 21, 2022. (Oral Presentation).
6. **Khan, F. Z. A.,** Joseph, S. V. (2021) Comparing predation in residential turfgrass and sod farms. ESA-Annual Meeting, October 31- November 03, 2021 (Oral presentation)
5. **Khan, F. Z. A.,** Joseph, S. V. (2021) Optimizing the utility of clay model to estimate predation in turfgrass. ESA-SEB's Virtual Annual Meeting, March 29-31, 2021 (Oral presentation)
4. **Khan, F. Z. A.,** Joseph, S. V. (2020) Characterization of impressions created by turfgrass arthropods on clay model. ESA's Virtual Annual Meeting. November 11-25, 2020 (Infographics)

3. **Khan, F. Z. A.,** Joseph, S. V. (2020) Comparison of fall armyworm predation in sod farm and residential turfgrass. ESA's Virtual Annual Meeting, November 11-25, 2020 (Oral presentation).
2. **Khan, F. Z. A.,** Sagheer, M, Hasan, M., Ali, K., Ali, Q., Rehman, H., and Qureshi, M. S. (2013). Biocidal, fumigant, repellent and growth regulatory impact of some botanical extracts against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae). PGERC-13-10. 2nd Postgraduate Entomology Research Conference, University of Agriculture Faisalabad (Poster)
1. **Khan, F. Z. A.,** Sagheer, M, Hasan, M., Ali, K., Ali, Hussain, J. (2012). Toxicological potential of peel extract of *Citrus limon* against *Tribolium castaneum*, *Sitophilus granarius* and *Cryptolestes ferrugineus* under laboratory conditions. PS7TH465. International Congress of Entomology Daegu, Korea. August 19-25 (Abstract submission).