

Curriculum Vitae

Fawad Z. A. Khan

Assistant Professor (Entomology/ Plant Protection)

MNS University of Agriculture, Multan, Pakistan 60000

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EDUCATION:

- 2021 Ph.D. in Entomology, University of Georgia, Athens, GA, USA
Fulbright Scholar, Herbert H. Ross Scholar, GES Scholar
Advisor: Dr. Shimat V. Joseph
Thesis title: Understanding the Role of Predators for the Management of Fall Armyworm (Lepidoptera: Noctuidae) in Turfgrass
- 2013 M.S. in Entomology, University of Agriculture, Faisalabad, Pakistan
Punjab Education Endowment Fund Scholar
Advisor: Dr. Muhammad Sagheer
Thesis title: Biocidal, fumigant, repellent and growth regulatory impact of ten plant extracts against *Tribolium castaneum* (Herbst) (Coleoptera: Tenebrionidae)
- 2011 B.S. in Agriculture (Entomology), Bahauddin Zakariya University, Multan, Pakistan
First Standing in Entomology, Fourth in Agriculture
Advisors: Dr. M. Razaq, Dr. Noor A. Saeed
Project Title: Population dynamics of aphids on tomato cultivars

EXPERIENCE:

- 2021-present Assistant Professor, MNS University of Agriculture Multan, Pakistan
- 2018-2021 Fulbright Ph.D. Scholar, Department of Entomology, University of Georgia, USA
- 2016-2018 Lecturer, MNS University of Agriculture Multan, Pakistan
- 2015-2016 Research Assistant, Bahauddin Zakariya University Multan, Pakistan
- 2013-2015 Visiting Lecturer, Bahauddin Zakariya University, Layyah, Pakistan

FELLOWSHIPS:

- 2021 Herbert H. Ross Scholarship, Department of Entomology, UGA Athens, USA (\$5000)
- 2018 Fulbright Scholarship, Department of State, USA (\$200,000)

PROJECT FUNDING:

- 2023 NAVTTC Grant for Skill Development (~7500\$)
- 2019 Fulbright Supplemental Research, USA (\$3930)

FIRST AURTHOR 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).

AWARDS AND HONORS:

- 2021 Georgia Entomological Ph.D. Scholar Award, Georgia Entomological Society, USA
- 2021 Herbert H. Ross Award, Department of Entomology, University of Georgia, USA
- 2019 CAES Global Programs UGA Travel Award, College of Agriculture & Environmental Sciences, University of Georgia, USA
- 2019 2nd Place Photo Salon Award, Entomological Society of American Branch Meeting, Mobile, Alabama USA
- 2018 Fulbright Ph.D. Fellowship Award, Funded by US Department of State & Higher Education Commission of Pakistan
- 2013 3rd Place Poster Presentation Award, 2nd Postgraduate Entomological Research Conference University of Agriculture Faisalabad Pakistan
- 2013 1st Place Essay Competition by E-Sci Research, Finland
- 2012 Punjab Educational Endowment Fund Merit Scholarship, Pakistan
- 2011 1st Position, Department of Entomology, BZ University Multan, Pakistan
- 2003 Head Boy Distinction Award, Multan Gems School, Multan, Pakistan

PROFESSIONAL DEVELOPMENT AND TRAINING:

- 2023 Faculty Development Training by Punjab Higher Education Commission
- 2021 Design tips for conservation biocontrol studies and programs. Session 7 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2021 Biopesticide efficacy Part 2: Effective design of biopesticide trials. Session 6 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2021 Farmer acceptance of biocontrol approaches and scale-up issues. Session 5 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2021 Biopesticide Efficacy Part 1: Why are biopesticide trials so difficult? Session 4 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.

- 2021 Selection and release of parasitoids and predators for mass production and release for FAW control. Session 3 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2021 Rearing of parasitoids and predators for FAW Control. Session 2 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2020 Field collection and identification of FAW parasitoids and predators. Session 1 of ASEAN Action Plan on Fall Armyworm Biocontrol Workshop Series.
- 2020 “Transition Talk: TAing Remotely”, University of Georgia Athens GA
- 2019 Association for International Agriculture and Rural Development AIARD's 55th Annual Conference, Washington, DC
- 2019 “To participation grade or not: Discussion session of faculty and Teaching Assistants– University of Georgia Athens GA
- 2019 Building and leveraging LinkedIn profile, University of Georgia Athens GA
- 2019 Diversity and Inclusion in the Workplace, University of Georgia Athens GA
- 2019 Getting into the Grad School– Career Center University of Georgia Athens GA
- 2019 Effective teaching presentation for Teaching Assistants– Center for Teaching and Learning University of Georgia Athens GA
- 2019 “The right way of networking– Career Center University of Georgia Athens GA
- 2019 “Turning your dissertation into your first book”, University of Georgia Athens GA
- 2018 “Know your Audience”– Organized by the Athens Science Observer at Davison Life Science Building University of Georgia Athens GA
- 2018 Fulbright fall training on US history and culture – Organized by Department of State, USEFP & IIE – Hosted by University of Wisconsin Madison WI
- 2016 Training on Basics of Biotechnology, ICGEB-Italy, and NIBGE, Pakistan
- 2016 International Entomological Congress, UAF, Pakistan
- 2016 Training on Discover Yourself and Others, Bayer, Pakistan
- 2016 Workshop on Informatics for Writing Manuscripts, IRP, Pakistan
- 2016 Workshop on Innovation to Venture Creation, IRP, Pakistan
- 2015 Workshop on Extension and Communication Skills, Aus-Pak ASLP, Pakistan
- 2015 International Online Training on Non-Chemical Pest Management, BZU, Pakistan
- 2015 Participation in EssayCon-2015, Technology Times, Pakistan
- 2015 International Conference on Malnutrition in South Asia, BZU, Pakistan
- 2015 Workshop on Mango Diseases and their Management, BZU, Pakistan
- 2014 Workshop on Harvesting Global Security, BZU, Pakistan
- 2014 Workshop on Encouraging Problem-Solving Research, AARI, Pakistan
- 2013 Postgraduate Entomological Research Conference, UAF, Pakistan
- 2013 Workshop on Scientific Writing and Plagiarism, UAF, Pakistan
- 2013 Workshop on CSS and FPSC examinations, UAF, Pakistan
- 2012 Workshop on the Importance of the Silk Industry in Pakistan, UAF, Pakistan
- 2012 Postgraduate Training on the Termite Management, UAF, Pakistan
- 2012 Seminar on New Challenges of Insects on Citrus Plants, UAF, Pakistan
- 2011 1st Postgraduate Training on Hybrid breeding in Tomato, NIAB, Pakistan
- 2011 Training on the use of Radiation in Heath, Industry, Agriculture, NIAB, Pakistan

WORKSHOPS, SEMINARS, CONFERENCES (ORGANIZED):

- 2023 Seven-day Scientific Writing Workshop Batch 9
- 2023 Seven-day Scientific Writing Workshop Batch 8
- 2023 Mango Festival 2023
- 2023 Seven-day Scientific Writing Workshop Batch 7
- 2023 International Conference on Bee Pollination & Conservation
- 2023 Seven-day Scientific Writing Workshop Batch 6
- 2023 International Smart Plant Protection Conference 2023
- 2023 Seven-day Scientific Writing Workshop Batch 5
- 2023 Seven-day Scientific Writing Workshop Batch 4
- 2023 Fulbright Scholarship Application Process, Graduate Resource Center, MNS University of Agriculture Multan, Pakistan
- 2022 Seven-day Scientific Writing Workshop Batch 3
- 2022 Seven-day Scientific Writing Workshop Batch 2
- 2022 Seven-day Scientific Writing Workshop Batch 1
- 2022 International Conference on Bee Pollination & Conservation 2022
- 2022 Fulbright Scholarship Application Process, Graduate Resource Center, MNS University of Agriculture Multan, Pakistan
- 2022 Biological control of fall armyworm, MNS University of Agriculture, Multan, Pakistan
- 2022 International Smart Plant Protection Conference 2022
- 2015 Workshop on Biosafety for Young Scientists, MNS-University of Agriculture, Multan, Pakistan
- 2014 Workshop on High Health Nursery Promotion BZU, Layyah, Pakistan
- 2014 Biosafety Workshop for Young Scientists, BZU, Layyah, Pakistan
- 2012 NAYS Young Researchers' Skill Development Workshop, UAF, Pakistan
- 2012 1st Postgraduate Entomological Research Conference, UAF, Pakistan

PROFESSIONAL SERVICE:

- 2021 Judge, Undergrad P-IE and SysEB: IPM, Extension, Biocontrol, and Other On-Demand Posters, ESA 2021 Entomology, Oct 31 - Nov 3, 2021. Denver, CO, USA
- 2021 UGA Entomology Team, Entomology Games, 2021 ESA Virtual Southeastern Branch Meeting 29-31 March 2021
- 2021 Panelist, Visiting Researcher Community Day "Maximizing Your Fulbright" Panel Discussion, organized by US Department of State, March 29, 2021
- 2021 Virtual Judge, 2021 Griffin RESA Regional Science & Engineering Fair, January 27, 2021, Spalding County, Griffin GA
- 2020 UGA Entomology Team, Entomology Games, Entomological Society of America, 2020
- 2020 Judge, Georgia 4-H, Rock Eagle 4-H Center, Georgia

- 2019 28th Annual Insectival - Organized by Botanical Garden Education Department: Children's Programs – Sponsored by the Garden, UGA Lund Club, the UGA Department of Entomology, and the Georgia Museum of Natural History, Athens Georgia
- 2019 Judge for evaluation of oral and poster presentations, Young Scholars Program, University of Georgia Griffin GA
- 2019 Volunteered to organize a seminar on "Culture of Pakistan," Miller Learning Center, University of Georgia Athens GA
- 2019 Demonstrator for 3rd graders, Malcolm Bridge Elementary School, Athens GA
- 2019 Judge, Georgia 4-H, Rock Eagle 4-H Center, Georgia
- 2018 Entomology Club Stall in the Annual Halloween Bake Sale, Department of Entomology, University of Georgia, Athens
- 2018 Proctor, High School Math Tournament – Organized by the Math Club – University of Georgia, Athens Georgia
- 2018 Major Madness – Department of Entomology Tate Student Center Athens, Georgia
- 2018 27th Annual Insectival - Organized by Botanical Garden Education Department: Children's Programs – Sponsored by the Garden, UGA Lund Club, the UGA Department of Entomology, and the Georgia Museum of Natural History, Athens Georgia

PROFESSIONAL AFFILIATIONS:

Insect Welfare Society, USA
Entomological Society of America (ESA), USA
Georgia Entomological Society (GES), USA
H.O. Lund Entomology Club, UGA Athens, USA
Sigma Xi: The Scientific Research Society, USA
American Association for the Advancement of Science (AAAS), USA
Australian Entomological Society (AES), Australia
International Organization for Biological Control (IOBC)
American Society for Microbiology (ASM), USA
National Society of Young Scientists (NAYS), Pakistan