

# CURRICULUM VITAE

## **Personal Info: Dr. SHOUKET ZAMAN KHAN**

Date of Birth: **December 30, 1987**

Gender: **Male**

**Mailing Address:** 7-KM Chichawatnir Road, UAF,  
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**Objective:** To develop my skills and knowledge in research oriented tasks.

<b>Experience:</b>	<b>Organization</b>	<b>UNIVERSITY OF AGRICULTURE, FAISALABAD</b>
3 Entry(s)	Organization Type	Educational Institution
	Designation	Lecturer
	Location	UAF, Sub-Campus Burewala-Vehari
	Type of Experience	Full Time
	Tenure	<b>October 3, 2014 – Present</b>

<b>Organization</b>	<b>UNIVERSITY OF AGRICULTURE, FAISALABAD</b>
Organization Type	Educational Institution
Designation	Research Associate
Location	Department of Entomology, UAF
Type of Experience	Full Time
Tenure	<b>March 1, 2011 – April 30, 2013</b>
Project	Population phenology and biological control of Asian Citrus Psyllid in Punjab, Pakistan funded by University of California, Riverside, California, USA.
Reason for leaving	Project completed successfully

<b>Organization</b>	<b>UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIFORNIA, USA</b>
Organization Type	Educational Institution
Designation	Short-term Scholar
Location	Riverside, California, USA
Tenure	<b>September 19, 2012 – October 21, 2012</b>

Description	Overseas training about Field surveys, releases of parasitoids, sampling protocols in field, mass rearing and host testing of ACP parasitoids in Quarantine Department, maintenance of greenhouse plants for laboratory experiments and mass rearing of parasitoids, identification of parasitoids and hyperparasitoids from parasitoid experts in Quarantine Department of UCR.
Reason for leave	Overseas training completed successfully

**Education: Degree Name Ph.D. ENTOMOLOGY**

3 Entry(s)	Level Attained	PhD (Doctor of Philosophy)
	CGPA	<b>3.84/4.00</b>
	Aggregate %	<b>78.20</b>
	Institute	University of Agriculture, Faisalabad
	Department	Entomology
	Session	2013-2024
	Major	Entomology

**Degree Name M.Sc. (HONS.) AGRICULTURAL ENTOMOLOGY**

Level Attained	Master degree (Equivalent to M.Phil.)
CGPA	<b>3.97/4.00</b>
Aggregate %	<b>84.31</b>
Institute	University of Agriculture, Faisalabad
Department	Entomology
Session	2011 – 2013
Major	Entomology

**Degree Name B.Sc. (Hons.) AGRICULTURAL ENTOMOLOGY**

Level Attained	Bachelor degree (Equal to M.Sc.)
CGPA	<b>3.90/4.00</b>
Aggregate %	<b>80.60</b>
Institute	University of Agriculture, Faisalabad
Faculty	Agriculture
Department	Entomology
Session	2007-2011
Major	Entomology

**Short Courses:** Bee keeping  
7 Entry(s) Sericulture  
Dairy Husbandry  
Practical poultry Management  
Community Development  
Water Quality for Agriculture  
Allelopathy for Crops

**Distinctions:**

- **One month overseas training in University of California, Riverside, USA**
- 2<sup>nd</sup> position in both oral and poster presentation in 2<sup>nd</sup> Postgraduate Entomological Research Conference, July 8-9, 2013
- 1<sup>st</sup> position in Intervarsity Roving Championship, Islamabad, 2010
- Best Hiker of Pakistan in Snowfall hike, Galiyat, 2010
- President Rover Scout of Pakistan, 2010

**Conferences/Workshop/Seminars/Webinars:**

- One-day Seminar on “Importance of Biodiversity Conservation in Rapidly Changing World” on 12<sup>th</sup> of May, 2022 held in University of Agriculture, Faisalabad, Sub-Campus Burewala.
- Webinar on “Global Gap Certification and Requirement for Exports to European Union” organized by National Alliance for Safe Food 18<sup>th</sup> of June, 2021.
- Webinar on “World Food Safety Day, 2021 Safe Food Now for a Healthy Tomorrow” organized by National Alliance for Safe Food 7<sup>th</sup> of June, 2021.
- Webinar on “World Soil Day Celebrations” organized by Pakistan Academy of Sciences along with different universities and institutes around the world 5<sup>th</sup> of December, 2020.
- Webinar on “Global Impact of GM Crops” organized by Pakistan Academy of Sciences along with different universities and institutes around the world 17<sup>th</sup> of November, 2020.
- Webinar on “Recarbonization of Global Soils: Pakistan Perspective” organized by Pakistan Academy of Sciences along with different universities and institutes around the world 10<sup>th</sup> of November, 2020.
- Oral Presentation in 1st International Salinity Conference (ISC-2016) held in Islamia University of Bahawalpur, Pakistan from December 19-21, 2016.
- Oral Presentation in International Entomology Congress held in University of Agriculture, Faisalabad, Pakistan from December 16-18, 2016.
- Three-day training workshop on Quantitative Data Analysis using SPSS, 3-5 August, 2016 held in UAF, Sub-Campus Burewala-Vehari.
- One-day training of ISO 14001:2004 Environmental Management System, 13<sup>th</sup> April, 2016 held at COMSATS, Vehari organized by DAS Pakistan.

- One-day training of Occupational Health & Safety Awareness, 12<sup>th</sup> April, 2016 held at COMSATS, Vehari organized by DAS, Pakistan.
- Poster presentation in 2<sup>nd</sup> International Conference on Malnutrition, Malnutrition Kill! Can we see the writing on the wall, April 7-8, 2016 held in Bahauddin Zakariya University, Multan.
- One-day workshop on Importance of Value Chain in Agri.Business in Pakistan, 16<sup>th</sup> of March, 2016 organized by UAF, Sub-Campus, Burewala-Vehari.
- Oral presentation in 2<sup>nd</sup> International Conference on Horticultural Sciences February 18-20 held in University of Agriculture, Faisalabad.
- One-day training of Presiding Officers and Senior Assistant Presiding Officers, 17<sup>th</sup> October, 2015 organized by Election Commission of Pakistan for Local Government Election 2015.
- One-day workshop on Grant Writing for competitive grant program organized by US. Pakistan Center for Advanced Studies, UAF, June 1, 2015.
- One day workshop/training on “SAR” & R Software” organized by QEC, UAF, March 28, 2015.
- 3-Day workshop on “Effective Writing Skills” organized by COMSATS Vehari in collaboration with Faculty Development Academy, Islamabad. December 15-17, 2014.
- ICDD Conference on Linkages, Value Chains and Development along the Rural-Urban Interface. January, 9-12, 2014.
- Mid-term Workshop & International Seminar on Climate change Adaptation Strategies to ensure Food Security. January, 16-17, 2014.
- Two days’ workshop on “Molecular Approaches for crop improvements” January, 20-21, 2014.
- 2<sup>nd</sup> Postgraduate Entomological Research Conference, July 8-9, 2013.
- One day Seminar on “Career Counselling” May 27<sup>th</sup>, 2013.
- Two days Seminar on “New Challenges of Insects on Citrus Plant” July 13-14, 2012.
- Two days’ workshop on “Leadership & Communication Skills Development” December 23-24, 2009.

### **Publications:**

- Gulzar, A., M. Ashfaq, M.A. Khan, S.Z. Khan, M.R. Ashraf, N. Tariq and F. Shafi, 2024. Comparative Efficacy of Insecticides Against Bemacia Tabaci and Thrips Tabaci on Cotton Crop. Journal of Food and Agricultural Technology Research, <https://doi.org/10.69501/nme4ck24>
- Ashraf, M.R., L.A. Khan, S. Ahmed, M.U. Iqbal, S.M. Nadee, G. Mustafa, S.Z. Khan, S. Ahmad, A. Masroor, 2024. Validation of different Control Strategies (Chemical and Biological) for the reduction of Whitefly for Better Cotton Production. Eur. Chem. Bull. 2024, 13(6): 238-245. DOI: 10.53555/ecb.v13:i6.17682
- Khan, S.Z., M.J. Arif, M.D. Gogi, S.T. Sahi, 2023. Monitoring the lethal Impact of Heat on Candidatus Liberibacter asiaticus (CLAS) proteobacterium, The

Contributory means of Huanglongbing in Punjab, Pakistan. *Journal of Xi'an Shiyou University, Natural Sciences Edition*, 66(7): 215-231 DOI 10.17605/OSF.IO/GJ2KT

- Aslam, M., Sarwar, A., Khan, S.Z., Awan, M.I., Munir, M., Mushtaq, M.N., Ahmad, S., Hanif, A., Masroor, A. and Ashraf, M.R., 2023. The effectiveness of botanicals and fungus isolates from fish pound on the population reduction of *Bemisia tabaci*. *Journal of Survey in Fisheries Sciences*, 10(3S): 3974-3985.
- Tariq, N., Ashfaq, M., Khan, M.A.K., Khan, S.Z., Farooq, M.A. and Ashraf, M.R., 2022. Toxicity of Different Insecticides Against Feeding Behavior of *Bactrocera Zonata* (Diptera: Tephritidea) Under Laboratory Conditions. *Journal of Food and Agricultural Technology Research*, 1(01): 17-27.
- Hanif, A., Ashraf, M. R., Masroor, A., Iqbal Awan, G. M., Ahmad, S., & Zaman, S. Botanical Description of Six Brassica Species with relevance to their Quantitative And Morphological Characteristics. *Xi'an Shiyou Daxue Xuebao (Ziran Kexue Ban)/ Journal of Xi'an Shiyou University, Natural Sciences Edition*, ISSN: 1673-064X: Vol: 65(6): 89-101.
- Bibi, M., Hanif, M.K., Sarwar, M.U., Khan, M.I., Khan, S.Z., Shikali Shivachi, C. and Anees, A., 2021. Monitoring Population Phenology of Asian Citrus Psyllid Using Deep Learning. *Complexity*, 2021.
- Masroor, A., Ashraf, M. R., Javed, K., Ahmad, S., & Khan, S. Z. (2018). Comparative Study of Different Management Practices for Cotton Cultivars against Dusky Cotton Bug (*Oxycarenus* Spp.). *Annals of the Romanian Society for Cell Biology*, 23-33.
- Nawaz, F., R. Ahmad, M.Y. Ashraf, E.A. Waraich, S.Z. Khan, 2015. Effect of Selenium foliar spray on physiological and biochemical processes and constituents of wheat under drought stress. *Ecotoxicology and Environmental Safety*. 113: 191-200. Impact Factor. 2.715.
- Hoddle, M.S., C.D. Hoddle, S.V. Triapitsyn, S.Z. Khan, M.J. Arif, 2014. How many primary parasitoid species attack nymphs of Asian citrus psyllid, *Diaphorina citri* Kuwayama (Hemiptera:Liviidae), in Punjab, Pakistan. *Florida Entomologist*. 97(4): 1825-1828. Impact Factor. 1.056
- Khan, S.Z., M.J. Arif, C.D. Hoddle, and M.S. Hoddle, 2014. Phenology of Asian Citrus Psyllid (Hemiptera: Liviidae) and Associated Parasitoids on Two Species of Citrus, Kinnow Mandarin and Sweet Orange, in Punjab Pakistan. *Environmental Entomology*. 1145–1156. Impact Factor. 1.424
- Vetter, R.S., S.Z. Khan, M.J. Arif, C. Hoddle and M.S. Hoddle, 2013. Spider (Araneae) surveyed from unsprayed citrus orchards in Faisalabad, Pakistan and their potential as biological control agents of ACP. *Pak. Entomol.*, 36(2): 61-69.

### **Books/Book Chapters/Manual**

- Ashraf, M.R., S.Z. Khan, and S.M. Nadeem, 2024. *Laboratory Handbook on “Techniques for Biochemical Analysis”*. Lambert Publishing Press, UK.

- Mustafa, S., Nazar M, Rehan S, Qureshi AS, Khan SZ, Deeba F, Hussain M, Ali A and Umar Z, 2024. Vaccination strategies against malaria. In: Alvi MA, Rashid M, Zafar MA, Mughal MAS and Toor SI (eds), Complementary and Alternative Medicine: Immunization/Vaccinology. Unique Scientific Publishers, Faisalabad, Pakistan, pp: 227-237. <https://doi.org/10.47278/book.CAM/2024.143>
- Khan, S.Z., M.R. Ashraf and S.M. Nadeem, 2023. Practical Manual on “Insect Biodiversity Management”. Lambert Publishing Press, UK.
- Hanif, M. K., Khan, S. Z., & Bibi, M. (2022). Applications of Artificial Intelligence in Pest Management. In Artificial Intelligence and Smart Agriculture Applications (pp. 277-300). Auerbach Publications. (Book Chapter)

## Abstracts

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- Khan, S.Z., M.R. Ashraf, S. Kanwal, 2024. Lethal And Sublethal Effects of Various Insecticides on Coccinellids (Ladybird Beetles) in Citrus Orchards in District Vehari. 2<sup>nd</sup> International Conference on “Innovations in Chemistry, Biochemistry, Biotechnology, and Bioinformatics (ICBBB-2024) 16-18<sup>th</sup> December, 2024 organized by Islamia University, Bahawalpur.
- Khan, S.Z., M.R. Ashraf, S. Kanwal, 2024. Honey as an Adjunct Therapy in Diabetes Management. 2<sup>nd</sup> International Conference on “Innovations in Chemistry, Biochemistry, Biotechnology, and Bioinformatics (ICBBB-2024) 16-18<sup>th</sup> December, 2024 organized by Islamia University, Bahawalpur.
- Maria B., R.M. Saleem, S.Z. Khan, 2024. Study the Application of Ai Sensors in Identifying and Tracking Persistent Organic Pollutants in Sewage Systems. 2<sup>nd</sup> International Conference on “Innovations in Chemistry, Biochemistry, Biotechnology, and Bioinformatics (ICBBB-2024) 16-18<sup>th</sup> December, 2024 organized by Islamia University, Bahawalpur.
- Khan, S.Z., M.R. Ashraf and M. Ashfaq, 2024. Food Grains Security from Stored Insect Pests under Climate Change Scenarios In Pakistan. 2<sup>nd</sup> National PKNC Conference on Integrating Nutrition and Public Health: Challenges and Opportunities, 26-26 November, 2024 organized by University of Agriculture, Faisalabad.
- Khan, S.Z., S. Shakoor, M. Ashfaq, 2024. Importance of Honey in Functional Foods for Promoting Diet and Health in Pakistan. 2<sup>nd</sup> National PKNC Conference on Integrating Nutrition and Public Health: Challenges and Opportunities, 26-26 November, 2024 organized by University of Agriculture, Faisalabad.
- Bibi, M., Y. Bano and S.Z. Khan, 2024. Applications of Artificial Intelligence to promote the Human Nutrition Education., 2<sup>nd</sup> National PKNC Conference on Integrating Nutrition and Public Health: Challenges and Opportunities, 26-26 November, 2024 organized by University of Agriculture, Faisalabad.
- Maria Bibi and Shouket Zaman Khan, 2023. Neurotech: Pioneering Innovations and Technologies Driving the Future of Neuroscience. 2nd International Symposium on Innovation & Technology Shaping the Future of Neurosciences (ITSFN’23) Organized on 02 and 03 August 2023.

- Dastagir G., M. Ashfaq, M. A. Khan, A. Abbasi, S.Z. Khan and M.R. Ashraf, M. Rizwan, 2023. Integrated Management Of Fruit Fly (Diptera; Tephritidae) Under Field Conditions. 3<sup>rd</sup> International Conference on Smart Plant Protection 3-4 January, 2023 in Muhammad Nawaz Sharif University of Agriculture, Multan.
- Hamza, M. A., M. Ashfaq, M. A. Khan, A. Abbasi, S.Z. Khan and M.R. Ashraf, 2022. Efficacy of different lures against *Bactrocera zonata* (tephritidae: diptera) in fruit orchards, district Faisalabad. International Conference on Interdisciplinary Research Innovations (ICIRI-2022) 26-28 Oct, 2022 in UAF.
- Faizan, M., M. Ashfaq, M. A. Khan, A. Abbasi, S.Z. Khan and M.R. Ashraf, 2022. Effects of entomopathogens against peach fruit fly, *Bactrocera zonata* (Tephritidae: Diptera) under laboratory conditions. 1st International Conference on Climate Resilient Agriculture for Sustainable Development & Food Security on September 5-7, 2022 in Allam Iqbal Open University Islamabad.
- Khan, S.Z., 2016. Effects of salinity on arthropod development and behavior. (Published in 1st International Salinity Conference (ISC-2016) held in Islamia University of Bahawalpur, Pakistan from December 19-21, 2016.
- Khan, S.Z., M.J. Arif, M.S. Hoddle and M.D. Gogi., 2016. Arthropod Biodiversity associated with *Diaphorina aegyptiaca* (Hemiptera: Liviidae) on *Cordia myxa* (Boraginales: Cordiaceae) Plants in Faisalabad, Pakistan. (Published in International Entomological Congress held in University of Agriculture, Faisalabad from December 16-18, 2016.
- Khan, S.Z., 2016. Honey, A multi-functional tonic for healthy and active body. (Published in 2<sup>nd</sup> International conference on Malnutrition. Malnutrition Kills! Can we see the writing on the wall? April 7-8, 2016 held Bahauddin Zakariya University, Multan).
- Khan, S.Z., 2016. Biological control agents of Asian citrus psyllid to reduce citrus greening incidence in Punjab, Pakistan. (Published in 2<sup>nd</sup> International Conference on Horticultural Sciences February 18-20, 2016 held University of Agriculture, Faisalabad.
- Anwar, A., M.D. Gogi, M.J. Arif and S.Z. Khan, 2013. Laboratory Bioassay of different insect growth regulators alone and in combination with Aliphatic Hydrocarbons against pupal stage of various fruitfly species. 2nd Post Graduate Entomological Research Conference (PGERC) (Abs.), July 8-9, 2013
- Khan, S.Z., M.J. Arif, M.D. Gogi, M.S. Hoddle and A. Anwar, 2013. Population phenology of Asian Citrus Psyllid and associated entomophagous arthropods on citrus in Punjab, Pakistan. 2nd Post Graduate Entomological Research Conference (PGERC) (Abs.), July 8-9, 2013.
- Saif-ur-Rehman, A. Nawaz, S.Z. Khan and M.J. Hussain, Population dynamics of Thrips on transgenic and non-transgenic cultivars of cotton. 2nd Post Graduate Entomological Research Conference (PGERC) (Abs.), July 8-9, 2013.

**Articles:**

- Citrus psylla aur citrus greening ka marboot tareeqa insidaad (Urdu Article). University of Agriculture Zarai digest, April, 2013.

### **Courses taught**

#### **To B.Sc. (Hons.) Agri. Sciences Students**

- ENTO-302 (Introduction to Agricultural Entomology) Minor 2<sup>nd</sup> Semester
- ENT-402 (General Plant Protection) Elective 4<sup>th</sup> Semester
- ENT-305 (Insect Ecology and Behavior) Major 5<sup>th</sup> Semester
- ENT-313 (Insect Biodiversity Management) Major 5<sup>th</sup> Semester
- ENT-304 (Insect Biodiversity and Evolution) Major 6<sup>th</sup> Semester
- ENT-310 (Beneficial Insects) Major 6<sup>th</sup> Semester
- ENT-403 (Plant Resistance to Insect Pests) 7<sup>th</sup> Semester
- ENT-413 (Pest Management and Phytosanitary Measures) 7<sup>th</sup> Semester

#### **To BBA, Agri. Business Students**

- BBAA-102 (General Plant Protection)
- BBAA-215 (Fundamentals of Entomology)

### **Additional Information:**

- Fluent in Urdu, Hindko, English, Punjabi, Saraiki
- Hobbies include Scouting, Cricket, Reading, Hiking-Trekking and Travel

### **Memberships**

- Pakistan Entomologist Society
- Pakistan Boys Scout Association.