

DR. KHWAJA JUNAID

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Department of Plant Protection,
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TEACHING & ADMINISTRATIVE EXPERIENCE

- **Lecturer** in the department of Plant Protection from 2-October 2014 till date.
- **Teaching assistant** for Six month (Fall Semester-2013) in department of Plant Protection.
- **Warden** in 'Out Reach Hostel' The University of Agriculture Peshawar from 5 January 2023 till date. **Assistant warden** in 'Out Reach Hostel' The University of Agriculture Peshawar from 16-March 2015 till 5 January 2023.

ACADEMICS

PhD

PhD	June-2023
CGPA:	3.90 GPA (89.92%)
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar
Title of PhD Thesis:	**SCREENING AND EVALUATION OF RICE GERMPLASM FOR RESISTANCE AGAINST RICE LEAF FOLDER (*Cnaphalocrocis medinalis* G.) (Lepidoptera: Crambidae).**

M.Sc

M.Sc (Hons)	August-2014
CGPA:	3.87 GPA (88.43%)
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar
Title of MSc Thesis:	**STUDY ON DIFFERENT COMPONENTS OF RESISTANCE IN WHEAT GENOTYPES TO GREENBUG (*Schizaphis graminum*) (RONDANI).**

B.Sc

B.Sc (Hons)	January-2012
CGPA:	3.61 GPA (80.28%)
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar

H.S.S.C

H.S.S.C (F.Sc):	May- 2007
MARKS:	801/1100 (72.81%)
Major:	SCIENCE
Institution:	Govt. Degree College Mingora Swat

S.S.C

H.S.S.C (F.Sc):	March- 2005
MARKS:	823/1050 (78.38%)
Major:	SCIENCE
Institution:	Excelsior College Sangota Swat.

EXPERIENCES OF ORGANIZING EVENTS

- **Organizer** in International Conference on 'Sustainable Agriculture and Food Security'. Organized by Agriculture university teachers Association. August 27-31, 2023.
- **Conference Secretary** in International Conference on 'Food Security Through Sustainable Agriculture Strategies in The Current Climate Change Scenario' Organized by Department of Plant Protection, The University of Agriculture, Peshawar. March 08-10, 2023.
- **Conference Secretary** in International Conference on 'Food Security Through Sustainable Plant Protection Strategies' Organized by Department of Plant Protection, The University of Agriculture, Peshawar, January 16-20, 2022.

TRAINING AND CONFERENCES ATTENDED/PARTICIPATED

S.No.	Organized by:	Title	Period
1.	Agriculture university teachers Association.	International Conference on 'Sustainable Agriculture and Food Security'.	August 27-31, 2023.
2.	Department of Plant Protection UAP	International Conference on 'Food Security Through Sustainable Agriculture Strategies in The Current Climate Change Scenario'.	March 08-10, 2023.
3.	Department of Plant Protection UAP	International Conference on 'Food Security Through Sustainable Plant Protection Strategies'	January 16-20, 2022.
4.	The University of Agriculture Peshawar	Traning Workshop on 'Hostel Management'	April 20-24, 2021
5.	NAVTTC (Lahore)	Course Developed for Pesticide and Fertilizer Technicians.	December 7-11, 2020
6.	Zoological Society of Pakistan	38th Pakistan Congress of Zoology (international)	February 27- March 1, 2018
7.	Pakistan Botanical Society (Quetta)	6th International and 15th National Conference of Botany 'Dynamic Trends in Plant Science-Fostering Environment and Food Security'.	May 9-11, 2017
8.	Pakistan Botanical Society (Karachi)	14th National and 5th International Conference of Botany 'Climate change and Phytodiversity Challenges and Opportunities'.	January 15-18-2016
9.	The University of Agriculture Peshawar	International Conference on 'Climate Change: A Challenge for Agriculturists'	May 28-30,2012

HONORS AND AWARDS

- **Gold medal in M.Sc (Hons)** Agriculture, Department of Plant Protection, The University of Agriculture, Peshawar.
- **Second position in B.Sc (Hons)** Agriculture, Department of Plant Protection, The University of Agriculture, Peshawar.

MS/M.PHIL STUDENTS SUPERVISED:

S. No	Name of Student	Month & Year	Research Title
1.	Mr. Waseem Hayat	February 2023	Sereening and evaluation of different canola varieties against canola aphid, *Lipaphis erysimi.*
2.	Mr. Rahim Shah	February 2023	Efficacy of different synthetic insecticides against mustard aphid *Lipaphis erysimi* on selected canola cultivars.
3.	Mr. Salman Zafar	April 2024	Efficacy of Different Synthetic insecticides against thrips (*Thrips tabaci* Lindemen) on selected garlic varieties.
4.	Mr. Muhammad Zubair	October 2024	Screening of Different Wheat Genotypes for Resistance Against Greenbug (*Schizaphis Graminum* Rondani) (Homoptera: Aphididae).
5.	Mr. Shabir Ahmad	May 2025	Radio-tolerence of Various Developmental Stages of Striped mealybug, *Ferrisia virgita* (Hemiptera: Pseudococcidae) to Gamma Irradiation Doses.
6.	Mr. Muhammad Yasir	June 2025	Comparative Screening of various Food Baited Blends for Mass Trapping of Fruit Fly, Bactrocera Species (Diptera: Tephritidae) in Guava Orchard

BOOK CHAPTER PUBLISHED

- **Title of Book Chapter:** Testing Putative Factor and Categories of Resistance in Wheat to *Schizaphis, Graminum* (Rondani) Using, Direct Current Electrical Penetration Graph (Dc-Epg) Technique.
  Name of the Book: Emerging Issues in Agricultural Sciences Vol. 5
  Authors: Shah Alam Khan and Khwaja Junaid
  Published on July 04, 2023
  Print ISBN: 978-81-19315-73-4 **Online ISBN:** 978-81-19315-71-0
  DOI Number: https://doi.org/10.9734/bpi/eias/v5/5677B
  Book Link: https://www.bookpi.org/bookstore/product/emerging-issues-in-agricultural-sciences-vol-5/
  Chapter Links: https://stm.bookpi.org/EIAS-V5/issue/view/1109

COURSES DEVELOPED

- **Competency Based Training Qualification course for The National Vocational and Technical Training Commission (NAVTTC)**
  Course Title: PESTICIDE AND FERTILIZER TECHNOLOGY.
  Course Developed for: level-2 to level-5
  Date: December 7-11, 2020. NAVTTC (Lahore)

- **Competency Based Training Qualification course for The National Vocational and Technical Training Commission (NAVTTC)**
  Course Title: INTEGRATED PEST MANAGEMENT.
  Course Developed for: level-2 & level-3
  Date: September 7-11, 2026.

RESEARCH ARTICLES PUBLISHED

1. Shabir Ahmed, **Khwaja Junaid**, Muhammad Salman, Shah Alam Khan, Muhamad Hamayoon Khan, Zelle Huma, Gul Zamin Khan, Rohma & Muhammad Nafees. (2026). Effect of Gamma Radiation on Reproductive Parameters of Striped Mealybug Ferrisia Virgata (Hemiptera: Pseudococcidae) Under In-Vitro Condition. Indus Journal of Bioscience Research. Vol. 4(3). Pp 76-82. DOI: https://doi.org/10.70749/ijbr.v4i3.3003. ISSN: 2960-2793/ 2960-2807.

2. Shabir Ahmed, **Khwaja Junaid**, Muhammad Salman, Muhammad Hamayoon Khan, Shah Alam Khan. (2026). Radio-Tolerance of various Developmental Stages of Striped Mealybug, Ferrisia virgata (Hemiptera: Pseudococcidae) to Gamma Irradiation Doses. Planta Animalia. Volume 5, Issue 2. 161-170. DOI: 10.71454/PA.005.02.0388. ISSN: 2958-6003(Online), 2958-6011 (Print)

3. Rahim Shah, **Khwaja Junaid***, Asad Ur Rehman, Muhammad Zubair, Shabir Ahmed, Sagheer Ahmad, Ijaz Ullah, Imtiaz Khan. (2025). Efficacy of different synthetic insecticides against mustard aphid (lipaphis erysimi kalt.) (homoptera: aphididae) on selected canola cultivars. Indus Journal of Bioscience Research. Vol. 3(3). Pp 452-460. DOI: https://doi.org/10.70749/ijbr.v3i3.916

4. Shah Alam Khan, Palwasha Qazi, Yusaf Hayat, **Khawja Junaid**. (2025). Evaluation of synthatic and bio-pesticides against mustard aphid lipaphis erysimi (kalt) (homoptera: Aphididae) in canola cultivars. International Journal of Agriculture Innovations and Cutting-Edge Research. Vol. 3(3). Pp. 29-39. DOI: https://zenodo.org/records/17110776. ISSN: Online [3007-0929], Print [3007-0910].

5. Shah Alam Khan, Umaish Raza, Basit Ahmad, Muhammad Waqas, Hassan Mumtaz, **Khwaja Junaid** and Hassan Zubair. (2025). The Utilization of Artificial Intelligence in Agriculture to Optimize Irrigation and the Application of Pesticides and Herbicides. Dialogue Social Science Review (DSSR). Vol. 3(1). Pp 1159-1173. DOI: https://www.thedssr.com/index.php/2/article/view/248/303.

6. Junaid Irfan, Masood Ahmad, Sumbal Ayaz, Sultan Akbar Jadoon, **Khwaja Junaid**, Muhammad Re-shteen Khattak, Ateeq Ur Rehman, Sheraz Ahmad and Hamza Ali. (2025). Effect of sowing times and nitrogen application on the growth and production of fennel (Foeniculum vulgare). Sarhad Journal of Agriculture. Vol. 41(2). Pp 483-488. DOI | https://dx.doi.org/10.17582/journal.sja/2025/41.2.483.488

7. Waseem Hayat, Khwaja Junaid, Niamat Gul, Rahim Shah, Aizaz Ahmad, Abdullah, Khadim Hussain, Yasir Ali, Naseer Ahmad, Sharif Ahmad. (2023). Population trend of canola aphid, *Lipaphis erysimi* (kalt) (homoptera: aphididae) under field condition. University of Sindh Journal of Animal Sciences., vol. 7(4); Pp 83-86.

8. **Khwaja Junaid*** and Shah Alam Khan. (2023) Compatible and Non-Compatible Interaction of Rice Germplasms against Rice Leaf Folder Cnaphalocrocis medinalis (Guenee) (Lepidoptera: Pyralidae). Pakistan journal of zoology. vol. 55(6), Pp 2671-2676. DOI: https://dx.doi.org/10.17582/journal.pjz/20220920060917

9. **Khwaja Junaid*** and Shah Alam Khan. (2022). Population Trend of Rice leaf folder, Cnaphalocrocis medinalis G. (Lepidoptera: Crambidae). Journal of Xi'an Shiyou University, Natural Science. Pp. 1701-1711. DOI: http://xisdxjxsu.asia

10. Zafrullah Khan, Shah Alam Khan, Hamayoon Khan, Naeem Khan, **Khwaja Junaid,** and Inamullah Khan. (2017). Seven local commercial wheat cultivars tested for resistance against *Rhopalosiphum padi* L.in Pakistan. Pakistan J. Zool, 49(3), pp 793-799. DOI: http://dx.doi.org/10.17582/journal.pjz/2017.49.3.793.799.

11. **Khwaja Junaid***, Shah Alam Khan, Inamullah Khan, Syed Rizwan Ali Shah and Zafrullah Khan. (2016). Study on Different Components of Resistance in Wheat Genotypes to Green Bug (Schizaphis graminum) (Rondani). Pakistan J. Zool, 48(4), pp. 981-987.

12. Inamullah Khan, Nosheen Qureshi, Shah Alam Khan, Asad Ali, Musharaf Ahmad and **Khwaja Junaid.** (2016). Efficacy of Several Plant Extracts as Growth Inhibitors against Red Flour Beetle, Tribolium castaneum(Herbst) (Coleoptera Tenebrionidae),. ACTA ZOOLOGICA BULGARICA, 68 (3), 443-450

13. Bismillah Shah, Imtiaz Ali Khan, Rasheed Akbar, Walija Fayaz, Maid Zaman, Mir Manzar Ud Din, Nazeer Ahmad, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Inayat-ur-Rahman. (2016). Population dynamics of corn flea beetle and four-spotted leaf beetle on different maize cultivars at Peshawar. Journal of Entomology and Zoology Studies, 4(1): 308-311.

14. Bismillah Shah, Imtiaz Ali Khan, Ashraf Khan, Mir Manzar Ud Din, **Khwaja Junaid**, Muhammad Adnan, Syed Rizwan Ali Shah, Maid Zaman, Nazeer Ahmad, Rasheed Akbar, Walija Fayaz, Inayat-ur-Rahman. (2016). Correlation between proximate chemical composition and insect pests of maize cultivars in Peshawar. Journal of Entomology and Zoology Studies. 4(1): 312-316.

15. Bismillah Shah, Imtiaz Ali Khan, Ashraf Khan, Mir Manzar Ud Din, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Maid Zaman, Nazeer Ahmad, Rasheed Akbar, Walija Fayaz, Inayat-ur-Rahman. (2016). Determination of physio-morphic basis of resistance in differentmaize cultivars against insect pests. Journal of Entomology and Zoology Studies, 4(1): 317-321.

16. Imtiaz Ali Khan, Bismillah Shah, Ashraf Khan, Maid Zaman, Mir Manzar Ud Din, Syed Rizwan Ali Shah, **Khwaja Junaid**, Muhammad Adnan, Nazeer Ahmad, Rasheed Akbar, Walija Fayaz, Inayat-ur-Rahman. (2016). Screening of different maize Cultivars against maize shootfly and red pumpkin beetle at Peshawar.. Journal of Entomology and Zoology Studies, 4(1): 324-327.

17. Imtiaz Ali Khan, Bismillah Shah, Maid Zaman, Mir Manzar Ud Din, **Khwaja Junaid**, Syed Rizwan Ali Shah, Muhammad Adnan, Nazeer Ahmad, Rasheed Akbar, Walija Fayaz, Inayat-ur-Rahman. (2016). Study on the population densities of grass hopper and armyworm on different maize cultivars at Peshawar. Journal of Entomology and Zoology Studies, 4(1): 328-331.

18. Fatima, Maqsood Shah, Amjad Usman, Kamran Sohail, Muhammad Afzaal, Bismillah Shah, Muhammad Adnan, Nazeer Ahmed, **Khwaja Junaid**, Syed Rizwan Ali Shah, Inayat-ur-Rahman. (2016). Rearing and identification of Callosobruchus maculatus (Bruchidae: Coleoptera) in Chickpea. Journal of Entomology and Zoology Studies, 4(2): 264-266.

19. Hammad Hussain, Fazli Raziq, Imran Khan, Bismillah Shah, Muhammad Altaf, Attaullah, Waseem Ullah, Ahmad Naeem, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Mazhar Iqbal. (2016). Effect of Bipolaris maydis (Y. Nisik & C. Miyake) shoemaker at various growth stages of different maize cultivars. Journal of Entomology and Zoology Studies, 4(2): 439-444.

20. Imran Khan, Sartaj Alam, Hammad Hussain, Bismillah Shah, Ahmad Naeem, Waseem Ullah, Waqar Ali, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Nazeer Ahmed, Mazhar Iqbal. (2016). Study on the management of potato black scurf disease by using bio control agent and phyto biocides. Journal of Entomology and Zoology Studies, 4(2): 471-475.

21. Imran Khan, Hammad Hussain, Bismillah Shah, Waseem Ullah, Ahmad Naeem, Waqar Ali, Nangial Khan, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Nazeer Ahmed, Mazhar Iqbal. (2016). Evaluation of phytobiocides and different culture media for growth, isolation and control of Rhizoctonia solani in vitro Journal of Entomology and Zoology Studies, 4(2): 417-420.

22. Babar Iqbal, Hakim Khan, Saifullah, Imran Khan, Bismillah Shah, Ahmad Naeem, Waseem Ullah, Nangial Khan, Muhammad Adnan, Syed Rizwan Ali Shah, **Khwaja Junaid**, Nazeer Ahmed, Mazhar Iqbal. (2016). Substrates evaluation for the quality, production and growth of oyster mushroom (Pleurotus floridaCetto).. Journal of Entomology and Zoology Studies, 4(3): 98-107.

23. Ilyas Hussain, Syed Sartaj Alam, Imran Khan, Bismillah Shah, Ahmad Naeem, Nangial Khan, Waseem Ullah, Muhammad Adnan, Syed Rizwan Ali Shah, **Khwaja Junaid**, Nazeer Ahmed, Mazhar Iqbal. (2016). Medicinal plants rhizosphere exploration for the presence of potential biocontrol fungi . Journal of Entomology and Zoology Studies, 4(3): 108-113.

24. Ilyas Hussain, Syed Sartaj Alam, Imran Khan, Bismillah Shah, Ahmad Naeem, Nangial Khan, Waseem Ullah, Babar Iqbal, Muhammad Adnan, **Khwaja Junaid**, Syed Rizwan Ali Shah, Nazeer Ahmed, Mazhar Iqbal. (2016). Study on the biological control of fusarium wilt of tomato Journal of Entomology and Zoology Studies, 4(2): 525-528.

25. Zeeshan, Musharaf Ahmad, Imran Khan, Bismillah Shah, Ahmad Naeem, Nangial Khan, Waseem Ullah, Muhammad Adnan, Syed Rizwan Ali Shah, **Khwaja Junaid**, Mazhar Iqbal. (2016). Study on the management of Ralstonia solanacearum (Smith) with spent mushroom compost. Journal of Entomology and Zoology Studies, 4(3): 114-121.

26. Kamran Ahmad, Muhammad Adnan, Muhammad Anwar Khan, Zahid Hussain, **Khwaja Junaid**, Nouman Saleem, Murad Ali, Abdul Basir and Azaz Ali. (2015). Bioactive neem leaf powder enhances the shelf life of stored mungbean grains and extends protection from pulse beetle. Pak. J. Weed Sci. Res., 21(1): 71-81.

27. Kashif Ali, Bakhtiar Gul, Fida Hussain, Haroon Khan, Murad Ali, Sajjad Ali, Shahid Ali and **Khwaja Junaid**. (2015). The study of algae: the non-vascular aquatic weeds from various fresh water bodies of peshawar pakistan. Pak. J. Weed Sci. Res., 21(1): 111-122.

28. Nouman Saleem, Muhammad Adnan, Nisar Ali Khan, Sajjad Zaheer, Fazal Jala, Muhammad Amin, Wisal Muhammad Khan, Muhammad Arif, Inayat ur Rahman, Muhammad Ibrahim, Yousaf Jamal, Syed Rizwan Ali Shah, **Khwaja Junaid** and Murad Ali. (2015). Dual purpose canola: grazing and grains options. Pak. J. Weed Sci. Res., 21(2): 295-304.

29. Syed Rizwan Ali Shah, Shah Alam Khan, **Khwaja Junaid**, Shahid Sattar, Maid Zaman, Nouman Saleem, Muhammad Adnan. (2015). Screening of mustard genotypes for antixenosis and multiplication against mustard aphid, *Lipaphis* erysimi (Kalt) (Aphididae: Homoptera). Journal of Entomology and Zoology Studies, 3(6): 84-87

30. Syed Rizwan Ali Shah, Shah Alam Khan, Ahmad-Ur-Rahman Saljoqi, **Khwaja Junaid**, Inamullah Khan, Maid Zaman, Fazal said, Muhammad Adnan, Nouman Saleem. (2015). Assessment of the varietal preference and resistance against Lipaphis Erysimi (K.) in segregating mustard genotypes under agro-ecological conditions of Peshawar, Pakistan. Journal of Entomology and Zoology Studies. 3(5): 100-103.

31. Waqas Qadeem, Shahid Sattar, Muhammad Adnan, Maid Zaman, Irshad Ali, Syed Rizwan Ali Shah, **Khwaja Junaid**, Fazal Said, Inayat Ur Rahman, Nouman Saleem. (2015). Efficacy of botanical and

microbial extracts against Angoumois grain moth Sitotroga cerealella (Olivier) (Lepidoptera: Gelechiidae) under laboratory conditions. Journal of Entomology and Zoology Studies, 3(5): 451-454.

32. Arqum Bakhtyar Zaki, Nazeer Ahmed, Imtiaz Ali Khan, Bismillah Shah, Ashraf Khan, Muhammad Tahir Rasheed, Muhammad Adnan, **Khwaja Junaid**, Zelle Huma, Saeed Ahmed. (2015). Adulticidal efficacy of Azadirachta indica(neem tree), Sesamum indicum(til) and Pinus sabinaena (pine tree) extracts against Aedes aegyptiunder laboratory conditions. Journal of Entomology and Zoology Studies, 3(6): 112-116.

33. Shumaila Mushtaq, Nazeer Ahmed, Imtiaz Ali Khan, Bismillah Shah, Ashraf Khan, Murad Ali, Muhammad Tahir Rashid, Muhammad Adnan, **Khwaja Junaid**, Arqam Bakhtyar Zaki, Saeed Ahmed. (2015). Study on the efficacy of ladybird beetle as a biological control agent against aphids (Chaitophorus spp.). Journal of Entomology and Zoology Studies, 3(6): 117-119.

34. Asma Sana, Nazeer Ahmed, Imtiaz Ali Khan, Bismillah Shah, Ashraf Khan, Muhammad Adnan, **Khwaja Junaid**, Muhammad Tahir Rasheed, Arqum Bakhtyar Zaki, Zelle Huma, Saeed Ahmed. (2015). Evaluating larvicidal action of Coriandrum sativum (Dhania) and Mentha (Mint) plant extracts against Aedes aegyptiand Aedes albopictusLarvae under laboratory conditions. Journal of Entomology and Zoology Studies, 3(6): 156-159.

35. Muhammad Tahir Rasheed, Mian Inayatullah, Bismillah Shah, Nazeer Ahmed, Ashraf Khan, Murad Ali, Saeed Ahmed, **Khwaja Junaid**, Muhammad Adnan, Zelle Huma. (2015). Relative abundance of insect pollinators on two cultivars of sunflower in Islamabad. Journal of Entomology and Zoology Studies. 3(6): 164-165.

36. Muhammad Hammad, Nazeer Ahmed, Imtiaz Ali Khan, Bismillah Shah, Ashraf Kan, Murad Ali, Muhammad Tahir Rasheed, **Khwaja Junaid**, Muhammad Adnan, Arqam Bakhtyar Zaki, Saeed Ahmed. (2015). Studies on the efficacy of selected insecticides against Anopheles mosquitoes of village Goth Bhoorji (Sindh) Pakistan. Journal of Entomology and Zoology Studies, 3(6): 169-173.