



## DR. KHWAJA JUNAID

### Lecturer

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	38 <sup>th</sup> Pakistan Congress of Zoology (international)	February 27- March 1, 2018
7.	Pakistan Botanical Society (Quetta)	6 <sup>th</sup> International and 15 <sup>th</sup> National Conference of Botany ‘Dynamic Trends in Plant Science-Fostering Environment and Food Security’.	May 9-11, 2017
8.	Pakistan Botanical Society (Karachi)	14 <sup>th</sup> National and 5 <sup>th</sup> 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, <i>Lipaphis erysimi</i> .
2.	Mr. Rahim Shah	February 2023	Efficacy of different synthetic insecticides against mustard aphid <i>Lipaphis erysimi</i> on selected canola cultivars.
3.	Mr. Salman Zafar	April 2024	Efficacy of Different Synthetic insecticides against thrips ( <i>Thrips tabaci</i> Lindemen) on selected garlic varieties.
4.	Mr. Muhammad Zubair	October 2024	Screening of Different Wheat Genotypes for Resistance Against Greenbug ( <i>Schizaphis Graminum</i> Rondani) (Homoptera: Aphididae).
5.	Mr. Shabir Ahmad	May 2025	Radio-tolerance of Various Developmental Stages of Striped mealybug, <i>Ferrisia virgita</i> (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

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**Chapter Links:** <https://stm.bookpi.org/EIAS-V5/issue/view/1109>

## RESEARCH ARTICLES PUBLISHED

1. 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>
2. 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>.
3. 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>
4. 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.

5. **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.
  - a. DOI: <https://dx.doi.org/10.17582/journal.pjz/20220920060917>
6. **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>
7. 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* Lin in Pakistan. *Pakistan J. Zool*, 49(3), pp 793-799. DOI: <http://dx.doi.org/10.17582/journal.pjz/2017.49.3.793.799>.
8. **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.
9. 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
10. 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.
11. 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.
12. 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 different maize cultivars against insect pests. *Journal of Entomology and Zoology Studies*, 4(1): 317-321.
13. 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.
14. 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.
15. 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.

16. 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.

17. 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.

18. 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.

19. 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 florida*Cetto).. *Journal of Entomology and Zoology Studies*, 4(3): 98-107.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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.

25. 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.

26. 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

27. 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.

28. 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.

29. 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 aegypti* under laboratory conditions. *Journal of Entomology and Zoology Studies*, 3(6): 112-116.

30. 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.

31. 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 aegypti* and *Aedes albopictus* Larvae under laboratory conditions. *Journal of Entomology and Zoology Studies*, 3(6): 156-159.

32. 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.

33. 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.