DR. ZELLE HUMA

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Department of Plant Protection,
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TEACHING & ADMINISTRATIVE EXPERIENCE

- **Lecturer** in the department of Plant Protection from 1st September 2011 till date.
- **Lecturer "Support to Scientific Talent" under HEC project** for one year (May 2009-May 2010) in department of Plant Protection.
- **Lecturer** in "Internship Programme" for one year from (May 2008-May 2009) in department of Plant Protection.
- **Assistant Warden** in 'Agriculture Girls Hostel' The University of Agriculture Peshawar.

ACADEMICS

PhD

PhD	September, 2020
CGPA:	3.88 GPA
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar
Title of PhD Thesis:	**Survey, Molecular Characterization and use of Entomopathogenic Nematode as biological control agent against Subterranean termites, *Heterotermes indicola* (wasmann) (Isoptera: Rhinotermitidae)**

M.Sc

M.Sc (Hons)	June, 2010
CGPA:	3.94 GPA
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar
Title of MSc Thesis:	**Behavioral changes of *Heterotermes indicola* (Isoptera:Rhinotermitidae) against some natural plant products.**

B.Sc

B.Sc (Hons)	December, 2007
CGPA:	3.70 GPA
Major:	Plant Protection
Institution:	The University of Agriculture Peshawar

H.S.S.C

H.S.S.C (F.Sc):	June, 2003
MARKS:	676/1100
Major:	SCIENCE
Institution:	Govt. College for women, Mardan

S.S.C

S.S.C (Matriculation):	March, 2001
MARKS:	630/850
Major:	SCIENCE
Institution:	Govt. Girls High School, Lundkhwar, Mardan

EXPERIENCES OF ORGANIZING EVENTS

- **Organizer** in International Conference on 'Sustainable Agriculture and Food Security'. Organized by Agriculture university teachers Association. August 27-31, 2023.
- **Paper presenter** in International Conference on 'Sustainable Agriculture and Food Security'. Organized by Agriculture university teachers Association. August 27-31, 2023.
- **Organizer** 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.	The University of Agriculture Peshawar	Mental health awareness	November 19, 2025
2.	The University of Agriculture Peshawar	Role of Women in Agriculture in Pkaistan	May 16, 2024
3.	Department of Plant Protection UAP	International Conference on 'Food Security Through Sustainable Agriculture Strategies in The Current Climate Change Scenario'.	March 08-10, 2023.
4.	Department of Plant Protection UAP	International Conference on 'Food Security Through Sustainable Plant Protection Strategies'	January 16-20, 2022.
5.	The University of Agriculture Peshawar	Two days training workshop on experimental/ statistical design in analytical sciences	September 02-03, 2021
6.	Zoological Society of Pakistan	38th Pakistan Congress of Zoology (international)	February 27- March 1, 2018
7.	The University of Agriculture Peshawar	Certificate of participation in a training workshop on biosafety training workshop for young researchers.	May 10, 2016
8.	Nuclear Institute for Food and Agriculture (NIFA) Tarnab, Peshawar	Nuclear and other techniques in food and agriculture research	December 07-18,2009

HONORS AND AWARDS

- **Silver medal in M.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. Mir Abdul Qayyom	2022	Biological attributes and feeding efficacy of *chrysoperla carnea* (Neuropter:Chrysopidae) against sugarcane mealybug *Saccharicoccus sacchari* Cockerel (Hemiptera:Pseudococidae

2.	Mr. Haider Abbas	2024	Efficacy of different insecticides on canola genotypes against aphid, *Lipaphis erysimi* under field conditions
3.	Mr. Kifayat Ullah	2024	Efficacy of different insecticides and botanicals extracts against onion thrip, *Thrips tabbaci* Lindemann in district Bajaur
4.	Asad-Ur-Rehman	2024	Response of different okra genotypes and botanical extracts against sucking insect pest under field conditions
5.	Mr. Muhammad Israfil	2025	Screening of different botanical oils against peach fruit fly (*Bactrocera zonata*) under control laboratory settings.
6.	Mr. Ikram Ullah	2025	Management of sucking insect pest in different Okra Varieties under field conditions

RESEARCH ARTICLES PUBLISHED

1. A.U.R Saljoqi., M.A. Khan., **Z. Huma**., A. Sattar., M. Ullah and F. Khan (2012**).** Behavioral changes of *Heterotermes indicola* (Isoptera: Rhinotermitidae) against some natural products. pakistan j.zool., 44(6). 1613-1622.

2. M.A. Khan., A.U.R Saljoqi., I.A. Khan., S. Khan., Q. Zeb., M. Sajid., M. Mashwani, S.Z. Khan., S.F. Shah., M. Saleem, **Z. Huma** and B. Khattak (2012) Toxcicty of floiar insecticdes to ladybird beetle predator of green peach aphid, Myzus persicae(Sulzer) on potato varieties. Sarhad J. Agric. 28(2).

3. F. Khan., U. Dawood., D. Jan., **Z. Huma** and M. Zafarullah. (2013) An analysis of sugarcane production with reference to extension services in Union Council Malakandher-Peshawar. Sarhad J. Agric., 29(1), 2013.

4. A. B. Zaki., N. Ahmed., I. A. Khan., B. Shah., A. Khan., M. T. Rasheed., M. Adnan., K. Junaid., **Z. Huma** and S. Ahmed. (2015). Adulticidal efficacy of *Azadirachta indica* (neem tree), *Sesamum indicum* (til) and *Pinus sabinaena* (pine tree) extracts against *Aedes aegypti* under laboratory conditions. J. of Entomol. and Zoology Studie. 3(6): 112-116.

5. A. Sana., N. Ahmed., I. A. Khan., B. Shah., A. Khan., M. Adnan., K. Junaid., M. T. Rasheed., A. B. Zaki., **Z. Huma**., S. Ahmed. (2015). Evaluating larvicidal action of *Coriandrum sativum* (Dhania) and Mentha (mint) plant extracts against *Aedes aegypti* and *Aedes albopictus* larvae under laboratory conditions. .J. Entomol. and Zoology Studie.3(6): 156-159.

6. M. T. Rasheed., M. Inayatullah., B. Shah., N. Ahmed., A. Khan., M. Ali, S. Ahmed., K. Junaid., M. Adnan., **Z. Huma**. (2015). Relative abundance of insect pollinators on two cultivars of sunflower in Islamabad. .J. Entomol. and Zoology Studie. 3(6): 164-165.

7. M. T. Rasheed., M. Inayatullah., B. Shah., N. Ahmed., **Z. Huma**. S. Ahmed. (2015). Identification and record of insect pollinators on two cultivars of sunflower. .J. Entomol. and Zoology Studie. 3(6): 178-179.

8. A.U.R Saljoqi., G. Muhammad., **Z. Huma**., B. Ahmad., H. zada., S. Rehman., M. Nadeem and M. Salim. 2015. Screening of various irrigated wheat varieties against Angoumis grain moth, *Sitotroga ceealella* (Olivier) (Lepidoptera: Gelechiidae). J. Entomol. and Zoology Studies. 3(2): 36-41.

9. A.U.R Saljoqi., M. Nasir., J. Khan., E. u. Haq., M. Salim., M. Nadeem., **Z. Huma**.,H. G. Saeed., B. Ahmad and H. Zada. (2015). Functional response of *Cyptolaemus Montrouzieri* Mulsant (Coleptera: Coccinallidae) fed on cotton mealybug, *phenacoccus Solenopsis* tinsley under Laboratory conditions. J. Entomol. and Zoology Studies. 3(3): 411-415.

10. A.U.R Saljoqi., N. Asad., J. Khan., E. u. Haq., S. Rehman., **Z. Huma**., H. G. Saeed., M. Nadeem., M. Salim., B. Ahmad and H. Zada. (2015). The impact of temperature on biologica and life table parameters of Chyrsoperla Carnea Stephen (Neuroptera: Chrysopidae) fed on cabbage aphid, Brevicoryan brassicae (Linaeaus). J. Entomol. and Zoology Studies. 3(2): 238-242.

11. E. Elahi., A. Wali., Nasrulla., G. Ayub., S. Ahmed., **Z. Huma** and N. Ahmed. (2015). Response of cauliflower (*Brassica oleracea* L. botrytis) cultivars to phosphorus levels. *Pure Appl. Biol., 4(2): 187-194.*

12. A.U.R Saljoqi., N. Asad., J. Khan., E. u. Haq., M. Nasir., H. Zada., B. Ahmad., M. Nadeem., **Z. Huma** and M. Salim. (2016). Functional Response of *Chrysoperla carnea* Stephen (Neuroptera: Chrysopidae) Fed on Cabbage Aphid, *Brevicoryne brassicae* (Linnaeus) Under Laboratory Conditions. pakistan j.zool., 48(1). 165-169.

13. M. A. Ashraf, S.U. Rehman, N. Ahmed, M. S. Hameed, S. Ahmed and **Z. Huma**. (2016). Evaluation of Diver® concentration against cotton mealybug, *Phenacoccus solenopsis* (Hemiptera: Pseudococcidae) and its parasitoid, *Aenasius bambawalei* (Hymenoptera: Encyrtidae) in Laboratory. *J. Bioresource Manage. 3(2): 45-.53.*

14. F. Hussain, M. Buriro, M. R. Nizamani, S. Ahmed, S. U. Rehman, N. Ahmed and **Z. Huma**. (2016). Growth and yield response of mungbean to different levels of potassium. Int. J. Agric. Environ. Res. 2(1): 78-88.

15. M. S. Hameed, M. Ahsan, N. Ahmed, S. U. Rehman, **Z. Huma**, M. Hussain and S. Ahmed. (2016). In vivo studies on the effect of temperature fluctuation on the developmental stages and fecundity of female *aedes albopictus* (diptera: culicidae). Int. J. Agric. Environ. Res. 2(1): 43-51.

16. F. Khan, M. Z. Khan, M. Wengener and **Z. Huma**. 2016. Factors associated with excess use of nitrogen in sugarcane crop in selected districts of Khyber Pakhtunkhwa province, Pakistan. Thai Journal of Agricultural Science, 49(2):27-39.

17. Nazeer. A. **Z. Huma**. M. u. Haq. S.U.Rehman. M. Ullah and S. Ahmed. 2016. Effect of different plant extracts on termite species (*Heterotermis Indicola*). J. Bioresource Manage. 3(2): 9-16

18. N. Hussain, J. Ullah, E. Elahi, S. Ahmad, M. Zakria, Murtaza, S. Ahmad, N. Ahmad and **Z. Huma**. (2017). Development of buckwheat cookies supplemented with wheat flour. Pak. J. sci. ind. Res. Ser. B: boil. Sci. 60(1) 27-35.

19. M. Shahid, K. Sohail, M. Qasim, S. Xu, H. Geng, M. Usman, **Z. Huma**. 2018. Host-age effects and the efficiency of the pupal parasitoid *Dirhinus giffardii* (SILVESTRI, 1913) (Hymenoptera: Chalcididae) against the melon fly *Bactrocera cucurbitae* (COQUILLETT, 1849) (Diptera: Tephritidae). Polish Journal of Entomology 87 (2): 177–190.

20. Huma. Z., A.U.R Saljoqi and F. Ali. 2019. Entomopathogenic nematodes survey and identification from different districts of Khyber Pakhtunkhwa, Pakistan. Sarhad Journal of Agri. 35(4): 1129-1137.

21. Khan. F., Z. Huma, G. A. Shah, B. T. Anul and M. Ozturk. 2023. Effect of survey farmers' knowledge and practices on the yield of sugarcane in Pakistan. J. Saudi Soci. Of Agri. Sci. 22(3), 187-194.

22. Sahibzada H., L. Fazal., W. Javaid., Z. Huma., S. Z. Abbas., S. Uddin. 2026. Management of Cabbage Aphids (*Brevicoryne brassicae*) and Diamondback Moth (*Plutella xylostella*) through Synthetic Insecticides in Cauliflower. Planta Anamalia Vol. 5(2). 2958-6011.