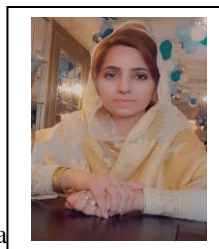


## CURRICULUM VITAE

1. Name: Dr. Huma Abbas
2. Father's Name: Ghulam Abbas
3. Nationality: Pakistani
4. Date of Birth: 21-04-1987
5. Marital Status: Married
6. N.I.C. No.: 33100-0250372-8
7. Passport No. 1413530
8. Countries Visited: Thailand
9. Permanent Address: P.281, st. #4, Muhammad Nagar near old passport office, Faisalabad



10. Postal Address: P.281, st. #4, Muhammad Nagar near old passport office, Faisalabad
11. Telephone: +923017120844
12. Fax:
13. E-mail: huma.abbas@uaf.edu.pk

### 14. EDUCATIONAL QUALIFICATION

S#	Examination	Year	Marks/CGPA	Division	Subjects
1.	Matric	2003	727/850	1 <sup>st</sup>	Science
2.	F.Sc.	2005	814/1100	1 <sup>st</sup>	Pre-Medical
3.	B.Sc. (Hons.) Agri.	2009	3.94/4.00	1 <sup>st</sup>	Agriculture
4.	M.Sc. (Hons.) Agri.	2011	4.00/4.00	1 <sup>st</sup>	Plant Pathology
5.	Ph.D.	2015	4.00/4.00	1 <sup>st</sup>	Plant Pathology

#### Title of M.Sc. Thesis:

Integration of bioagent and bioproduct for the management of *Meloidogyne incognita* on egg plant.

**Name of Supervisor:** Prof. Dr. Nazir Javed

#### Title of Ph.D. Thesis:

Exploitation of nematicidal potential of bio and synthetic chemicals against root knot nematode *Meloidogyne incognita* on tomato

**Name of Supervisor:** Prof. Dr. Nazir Javed

### 15. OTHER CERTIFICATES/DIPLOMAS:

S#	Name of Diploma etc.	Year	Source	Remarks
1.	NA			
2.				
3.				

### 16. PROFESSIONAL TRAININGS:

S#	Name of Training	Year	Institute	Remarks
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1.				
2.			NA	
3.				

**18. EXPERIENCE:**

ACADEMIC				
S#	Designation/Position	From(dd.mm.yyyy)	To (dd.mm.yyyy)	Total Duration (years.months.days)
1.	Lecturer	07-09-2015	22-08-2024	8 years and 11 months
2.	Assistant Professor	23-08-2024	To date	
ADMINISTRATIVE				
S#				
1.				
2.				
3.				
4.				

**19. OTHER ASSIGNMENTS**

- i. Tutor (TGM-group 143)
- ii. Member of Female Vigilance Committee
- iii. Member of Departmental synopsis scrutiny committee

**20. PUBLICATIONS**

**20a. List of Books published**

S#	Authors	Title	Year	Publisher's Details
1		NA		

**20b. List of Book Chapters published**

S#	Authors	Title	Year	Publisher's Details
1	Javed, N., M. Kamran and H. Abbas	Toxic secretions of <i>Xenorhabdus</i> and its efficacy against crop insect pests.	2017	CAB International

**20c. List of Books Edited**

S#	Editors	Title	Year	Publisher's Details
1		NA		

**20d. List of Research papers Published in HEC Recognized Foreign Journals of W Category (HJRS)**

S #	Authors	Title	Year	Journal Detail	Impact Factor
1	Javed, A., <b>H. Abbas</b> , S.A. Khan, M. Batool, A. Ashfaq, M. Kamran, A. Hameed, A. Iqbal and E.U. Haq.	Efficacy of garlic extract (polysulfide) on the reproductive parameters of root knot nematode <i>Meloidogyne incognita</i> (kofoid & white) chitwood	2025	Pakistan Journal of Zoology, online published	0.5
2	Ali, A., M. M. Zafar, Z. Farooq, S. R. Ahmed, A. Ijaz, Z. Anwar, <b>H. Abbas</b> , M. S. Tariq, H. Tariq, M. Mustafa, M. H. Bajwa, F. Shaukat, A. Razzaq and R. Maozhi	Breakthrough in CRISPR/Cas system: Current and future directions and challenges	2023	Biotechnology Journal. 18:e2200642. <a href="https://doi.org/10.1002/biot.202200642">https://doi.org/10.1002/biot.202200642</a> .	4.7
3	<b>Abbas, H.</b> , N. Javed, M. Kamran, S.A. Khan, A. Jabbar, A. Hameed, H. Abbas, A. Iqbal and E.U. Haq	Impact of integrative management strategies on the reproduction of Root Knot Nematode, <i>Meloidogyne incognita</i> .	2023	Pak. J. Zool. 55(2):755-763.	0.6
4	Kamran, M., I. Ullah, M. Ehetisham ul Haq, M. Iqbal, <b>H. Abbas</b> , S. Nazir, S. Ali, Q.A.T. Khan, and M. Idrees	First report of <i>Fusarium sulawesiensis</i> (FIESC-16) associated with stem rot of sesame in Pakistan.	2020	Plant Disease. 104 (05): 1554	3.02
5	Moosa, A., A. Farzand, T. Ahmad, S.A. Khan, M.L. Gleason, <b>H. Abbas</b> , W.A. Khan, A. Jabbar and M. Mohsan	First Report of Fusarium Rot of Phalsa ( <i>Grewia asiatica</i> ) Caused by <i>Fusarium solani</i> in Pakistan.	2019	Plant Disease. 103(9): 2476	3.02
6	Kamran M., M. Ehetisham ul Haq, I. Ullah, S. Ali M. Idrees, <b>H. Abbas</b> , and M. Iqbal.	First Report of <i>Sclerotinia sclerotiorum</i> Causing Stem Rot of Eggplant ( <i>Solanum melongena</i> ) in Pakistan.	2019	Plant Disease 103(3): 589	3.02

**20e. List of Research papers Published in HEC Recognized Foreign Journals of X Category (HJRS)**

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Jabbar, A., N. Javed, A. Munir, <b>H. Abbas</b> , S.A. Khan, A. Moosa, M. Jabran, B.J. Adams and	Occurrence and molecular characterization of <i>Meloidogyne graminicola</i> on rice in Central Punjab, Pakistan.	2021	Journal of Nematology, 52: e2020-123.	1.08

	M.A. Ali.				
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**20f. List of Research papers Published in HEC Recognized Foreign Journals of Y Category (HJRS)**

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Iram, M., <b>H. Abbas</b> , S.A. Khan, N. Javed, M. Kamran, M. Hassan, K. Riaz, S. Khan, M. Junaid and A. Sajjad	Morphological variability in okra germplasm due to the infection of root-knot nematode ( <i>Meloidogyne incognita</i> )	2022	Archives of Phytopathol. Plant Protect. 55(9):1158-1168.	

**20g. List of Research papers Published in HEC Recognized Local Journals of W Category (HJRS)**

S#	Authors	Title	Year	Journal Detail	Impact Factor
1		NA			

**20h. List of Research papers Published in HEC Recognized Local Journals of X Category (HJRS)**

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	<b>Abbas, H.</b> , N. Javed, M. Kamran, S. A. Khan, H. Abbas, E.U. Haq, A. Jabbar, I. Ullah and M. Naz	Effect of different application methods on the nematocidal activity of bio and synthetic chemicals against root knot nematode, <i>Meloidogyne incognita</i> .	2020	Pakistan Journal of Zoology 52(6): 2363-2370	0.68

**20i. List of Research papers Published in HEC Recognized Local Journals of Y Category (HJRS)**

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Tufail, M.M., <b>H. Abbas</b> , U. Khadim, M.R. Bashir, M. Kamran, S.A. Khan, M. Zafar, M.U. Shahbaz, M.E.U. Haq, S. Ali	Management of <i>Macrophomina phaseolina</i> infecting sesame germplasm.	2024	Journal of Phytobiology. 4(1): 09-17.	
2	Mehmood, F., <b>H. Abbas</b> , S.A. Khan, Z. Aslam, A. Ramzan, M. Kamran, S. Nadeem and M.U. Ali.	Biological Management of <i>Meloidogyne incognita</i> in Eggplant through Vermicompost and Biopesticides.	2023	Journal of Phytobiology. 3(2):1-10.	
3	Kamran, M., <b>H. Abbas</b> , M.U. Shahbaz, M.E.U. Haq, Z. Aslam, Q.A.T. Khan, M.A. Iqbal and M.A. Amin. 2022.	Field Response of Brassica Germplasm against Alternaria Leaf Spot Disease and its Management	2022	Journal of Plant and Environment 4(2):139-145	

4	Abbas, H., M.A. Iqbal, M. Kamran, M.U. Shahbaz, H.U. Kamber, N. Javed, M. Junaid, H. Abbas and M.E. ul Haq.	Evaluation of advanced mung bean germplasm against <i>Cercospora</i> leaf spot and its <i>in-vitro</i> management by different fungicides.	2020	Pakistan Journal of Agricultural Research. 33(4): 872-877	-
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**20j. List of Conference Proceeding Papers/Abstracts etc.**

S#	Authors	Title	Year	Publishing Details
1	Khadim, U., <b>H. Abbas</b> , S.A. Khan, M. Kamran, S. Ali.	Histopathological alterations in carrot germplasm due to the infection of <i>Meloidogyne incognita</i>	2024	In: 8 <sup>th</sup> International Conference “Sustaining Livelihoods: Climate-Smart Agriculture for Food Security” held in University of Poonch Rawalakot Azad Jammu & Kashmir, Pakistan03-04 July, 2024
2	Ali, S., S.A. Khan, <b>H. Abbas</b> , U. Khadim, A. Aslam.	First report of <i>Meloidogyne graminicola</i> in maize crops of Punjab, Pakistan: a shift in host preference	2024	In: 8 <sup>th</sup> International Conference “Sustaining Livelihoods: Climate-Smart Agriculture for Food Security” held in University of Poonch Rawalakot Azad Jammu & Kashmir, Pakistan03-04 July, 2024
3	Javed, A., <b>H. Abbas</b> , U. Khadim, S.A. Khan, M. Kamran, M. Zafar, H. Abbas and S. Ali.	Management of mashbean anthracnose caused by <i>Colletotrichum gleosporioides</i>	2024	In: 8 <sup>th</sup> International Conference “Sustaining Livelihoods: Climate-Smart Agriculture for Food Security” held in University of Poonch Rawalakot Azad Jammu & Kashmir, Pakistan03-04 July, 2024
4	Tufail, M.M., <b>H. Abbas</b> , M. Kamran, S.A. Khan, U. Khadim, M.E.U. Haq, A. Zia and S. Ali.	Screening of sesame germplasm against charcoal rot disease caused by <i>Macrophomina phaseolina</i> .	2024	In: 8 <sup>th</sup> International Conference “Sustaining Livelihoods: Climate-Smart Agriculture for Food Security” held in 5University of Poonch Rawalakot Azad Jammu & Kashmir, Pakistan03-04 July, 2024
5	Ali, S., S.A. Khan, <b>H. Abbas</b> , A. Aslam, W. Abbas and U. Khadim.	Evaluation of Resistant Sources of Tomato against Early Blight under Natural Field Conditions and its Management through Newly Introduced Chemicals.	2023	In: 8th International Conference of Pakistan Phytopathological Society “ Sustainable Agriculture and Food Security” held in The Islamia University Bahawalpur. 26 <sup>th</sup> -28 <sup>th</sup>

				November, 2023.
6	Anwar, S.A., <b>H. Abbas</b> and M. Kamran.	Concept of Resistance and Tolerance of Plant Parasitic Nematodes.	2023	In: 8th International Conference of Pakistan Phytopathological Society “ Sustainable Agriculture and Food Security” held in The Islamia University Bahawalpur. 26 <sup>th</sup> -28 <sup>th</sup> November, 2023.
7	Naseer, H., <b>H. Abbas</b> , S.A. Khan, B. Fatima, A. Shakoor, H. Abbas, F. Mehmood and M. Naz.	The Potential of Fungicides and <i>Trichoderma harzianum</i> against <i>Colletotrichum falcatum</i> .	2023	In: 8th International Conference of Pakistan Phytopathological Society “ Sustainable Agriculture and Food Security” held in The Islamia University Bahawalpur. 26 <sup>th</sup> -28 <sup>th</sup> November, 2023.
8	Aslam, Z., <b>H. Abbas</b> , S.A. Khan, M. Shahid, M. Kamran, M.F. Khan, M.U. Asghar and M.M. Tufail.	Population Frequency of Meloidogyne Spp Associated With Vegetables and Assessment of Histopathological Changes.	2023	In: 8th International Conference of Pakistan Phytopathological Society “ Sustainable Agriculture and Food Security” held in The Islamia University Bahawalpur. 26 <sup>th</sup> -28 <sup>th</sup> November, 2023.
9	Tanveer, M.H., M.A. Ali, <b>H. Abbas</b> , F. Qamar, M. Fayyaz and Amjad Abbas. Nematicidal	Efficacy of Phyto-Extracts and Chemicals on % Egg Hatching and Juvenile Mortality of <i>Meloidogyne incognita</i> .	2023	In: 8th International Conference of Pakistan Phytopathological Society “ Sustainable Agriculture and Food Security” held in The Islamia University Bahawalpur. 26 <sup>th</sup> -28 <sup>th</sup> November, 2023.
10	Mehmood, F., <b>H. Abbas</b> , M. Rizwan, M.A. Sadique, S. Nadeem and A. Ramzan.	Impact of vermicompost and biopesticides on the reproduction of <i>Meloidogyne incognita</i> in eggplant.	2023	In: 3 <sup>rd</sup> Smart Plant Protection held in Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan .3 <sup>rd</sup> -4 <sup>th</sup> January, 2023.
	Irshad, M., <b>H. Abbas</b> , S.A. Khan, M. Kamran, A. Javed, F. Mehmood, E.U. Haq and M.U. Sajid.	Integrative impact of nematicides and phytoextracts against <i>Meloidogyne incognita</i> on spinach.	2023	In: 3 <sup>rd</sup> Smart Plant Protection held in Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan .3 <sup>rd</sup> -4 <sup>th</sup> January, 2023
11	Batool, M., H. Abbas, S.A. Khan, A. Javed, A. Ashfaq, M. Kamran, H. Abbas, A.	Effect of salicylic acid on the growth of eggplant infected <i>Meloidogyne incognita</i> through	2022	In: 2 <sup>nd</sup> international conference on Smart Plant Protection held in

	Jabbar and M.U. Sajid.	different means of application.		Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan. 9 <sup>th</sup> -10 <sup>th</sup> March, 2022.
12	Javed, A., H. Abbas, S.A. Khan, A. Ashfaq, M. Batool, M. Kamran, H. Abbas, M. Naz and F. Mehmood..	Effect of garlic extract (Polysulphide) on the development <i>Meloidogyne incognita</i> in tomato	2022	In: 2 <sup>nd</sup> international conference on Smart Plant Protection held in Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan. 9 <sup>th</sup> -10 <sup>th</sup> March, 2022.
13	Ashfaq, A., H. Abbas, S.A. Khan, A. Javed, M. Batool, H. Abbas, M. Kamran, M. Naz and M.U. Sajid.	Effect of castor bean aqueous extract on the reproduction of <i>Meloidogyne incognita</i> in tomato	2022	In: 2 <sup>nd</sup> international conference on Smart Plant Protection held in Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan. 9 <sup>th</sup> -10 <sup>th</sup> March, 2022.
14	Abbas, H., N. Javed, M. Kamran, A. Sajjad, H. Abbas, S.A. Khan, M. Naz and A. Hameed	Integration of <i>Pasteuria penetrans</i> with chemicals for the management of Root knot nematode in tomato	2021	In: 1 <sup>st</sup> international conference on Smart Plant Protection held in Institute of Plant Protection, MNS University of Agriculture, Multan, Pakistan. 27-28 <sup>th</sup> January, 2021.
15	Anwar, S.A., H. Abbas, M. Kamran and A. Qadir. 2021.	Phytoparasitic Nematodes and Crop Production.	2021	In: 3 <sup>rd</sup> International conference on “Emerging trends in earth and environmental sciences” held in College of Earth and Environmental Sciences, University of the Punjab, Lahore. 16-18 <sup>th</sup> November, 2021.
16	Iqbal, H., H. Abbas, N. Javed, S.A. Khan, M. Kamran, M. Naz, F. Mehmood..	Screening of mashbean germplasm against root knot nematode ( <i>Meloidogyne incognita</i> ) and its management through resistance inducers	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021.
17	Bhatti, T.A., H. Abbas, N. Javed, S.A. Khan, M. Kamran, I.Mobin, A.Sajjad, K. Irfan and M.U. Sajid..	Histopathological variations in eggplant due to root knot nematode, <i>Meloidogyne incognita</i> infection	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021

18	Anwar, S.A., H. Abbas, M. Kamran.	Phytoparasitic nematodes threat in sustainable agriculture: an overview.	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
19	Kamran, M., N. Javed , H. Abbas, S.A. Khan, M.E.U. Haq, M.U. Shahbaz and M.A. Iqbal.	The Population Dynamics of <i>Meloidogyne incognita</i> and Development of <i>Pasteuria</i> .	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
20	Tanveer, M.H., N. Javed, H. Abbas, S.A. Khan, A. Rasul and F. Qamar	Evaluation of nematicidal potential of different phytoextracts and nematicides against root-knot nematode, <i>Meloidogyne incognita</i> on spinach	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
21	Tahir, M.H., N. Javed, H. Abbas, S.A. Khan, F. Mehmood, M. Arshad, M. Naz and M.U. Sajid	Integrated management of root knot nematodes ( <i>Meloidogyne incognita</i> ) on chili	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
22	Khawar, M.K., S.A. Khan, N.A. Khan, M. Arshad, M. Naz, H. Abbas, M.U. Afzal.	Management of fruit fly through the use of entomopathogenic nematodes.	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
	Haq, M.E.U., M. Masab, M. Kamran, M.U. Shahbaz, W. Abass, A. Rashid, H. Abbas , S. Ali, I. Munir, M.A. Iqbal.	Development of disease forecasting model for bacterial blight of cotton based on weather parameters with respect to different sowing dates	2021	In: 7 <sup>th</sup> International conference of Pakistan Phytopathological society on “Phytopathology: current scenario and Future Prospects” held in University of Agriculture Faisalabad. 28-29 <sup>th</sup> November, 2021
23	Anwar, S.A., H. Abbas, M.	Phytoparasitic nematodes in sustainable agriculture.	2020	In: 2 <sup>nd</sup> International conference on “Emerging



	Kamran and A. Qadir			trends in earth and environmental sciences” held in College of Earth and Environmental Sciences, University of the Punjab, Lahore. March 4-6.
24	Kamran, M., M.Ehetisham ul Haq, H. Abbas, M.U. Shahbaz, W. Abbas, M. Iqbal, S. Ali, and M. Idrees	Efficacy of different fungicides against <i>Phytophthora drechsleri</i> causing collar rot disease of muskmelon in field conditions.	2020	In: PSHS International horticultural conference on “Revolutionizing horticulture for secured future” held in SA Garden and IAGS, University of the Punjab, Lahore. February 26-28
25	Naz, M., H. Abbas. N. Javed, M. Kamran, E.U. Haq, A. Javed and I. Akram	Root knot nematode infection in mung bean germplasm and its management through resistance inducers.	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Pulses for Food Security” held in MNS University of Agriculture, Multan. March, 27
26	Khan, S., F. Muhammad, M. Arshad, H. Abbas, N. Javed, M. Kamran, M. Javed, M. Junaid and M.H. Ahmad	Screening of wheat varieties/Lines against Loose Smut disease	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Wheat for Food Security” held in MNS University of Agriculture, Multan. March, 24-25.
27	Junaid, M., M. Sajjad, H. Abbas, N. Javed, M. Kamran, S. Khan, A. Sajjad and A. Jabbar	Screening of wheat varieties/Lines against Leaf Rust disease	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Wheat for Food Security” held in MNS University of Agriculture, Multan. March, 24-25.
28	Bhatti, T.A., A. Mehmood, H. Abbas, N. Javed, M. Kamran, S.A. Khan and A. Sajjad	Field evaluation of wheat germplasm against rust disease	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Wheat for Food Security” held in MNS University of Agriculture, Multan. March, 24-25
29	Iqbal, M.H., M. Hussain, B. Iqbal, N. Javed, H. Abbas, M. Kamran, S.A. Khan and M.H. Ahmad	Screening of wheat germplasm against Brown/Leaf Rust of wheat	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Wheat for Food Security” held in MNS University of Agriculture, Multan. March, 24-25.
30	Kamran, M., M.E.U. Haq, M. Iqbal, H. Abbas, S. Ali, M. Idrees and M.A. Iqbal	Field performance of mashbean germplasm against collar rot resistance and its chemical management	2019	In: 1 <sup>st</sup> Aus-Pak International conference on “Pulses for Food Security” held in MNS University of Agriculture, Multan. March, 27.

## 21.List of Seminars/Conferences/Trainings attended

S#	Organizers	Conference Title/Theme	Year	Presentation (oral/poster)	Other Details
1	Ayub Agricultural Research Institute, Faisalabad.	commercialization of sesame and explore potential	2024	Participant	06-05-2024
2	International webinar	Molecular identification of Bacteria	2024	Participant	21-02-2024
3	The Islamia University Bahawalpur	Sustainable Agriculture and Food Security	2023	Participant	26-11-2023 to 28-11-2023
4	Ayub Agricultural Research Institute, Faisalabad	Innovative Production Technology of Ginger under Tunnel in Pakistan	2023	Participant	03-02-2023
5	Ayub Agricultural Research Institute, Faisalabad	Capacity building for Papaya promotion and cultivation in Punjab	2023	Participant	15-03-2023
6	Ayub Agricultural Research Institute, Faisalabad	Digital information Literacy in agricultural research held on	2023	Participant	14-03-2023
7	Ayub Agricultural Research Institute, Faisalabad	Crop diversification through sesame cultivation and quality production	2022	Participant	29-09-2022
8	The Islamia University of Bahawalpur	Writing and publishing your research, what really matters	2022	Online	8-09-2022
9	University of Agriculture Faisalabad.	Diversification, value addition and supply chain management	2022	Participant	24-03-2022
10	MNS University of Agriculture, Multan	Smart Plant Protection held in Institute of Plant Protection	2022	Poster	9,10-03-2022
11	The Islamia University of Bahawalpur	International Webinar on “Alternatives to Chemical Fungicides for the control of citrus post harvest diseases” conducted on	2021	ONLINE	6-04-2021.
12	The Islamia University of Bahawalpur	International Webinar on “Stealth pathogens: The sooty Blotch and	2021	ONLINE	20-04-2021

		Flyspeck Fungal Complex’’			
13	The Islamia University of Bahawalpur	International Webinar on ‘‘Host Pathogens Interactions’’	2021	ONLINE	15-07-2021
14	The Islamia University of Bahawalpur	International Webinar on ‘‘Xanthomonas Perforans: A Pathogen that is constantly changing’’	2021	ONLINE	5-10-2021
15	University of the Punjab, Lahore	‘‘Emerging trends in Earth and Environmental Sciences’’	2020	ORAL	04-03-2020
16	University of Agriculture Faisalabad and Turkish Namik Kemal University	Vermi-fertilizer, a potential source of organic and sustainable Agriculture in Pakistan’’	2019	Participant	18,19-11-2019
17	University of Agriculture Faisalabad.	Conversing emerging entomological challenges and their solutions	2019	Participant	8-04-2019
18	University of Agriculture Faisalabad	Fodder cultivation under the scenario of climate change	2019	Participant	28-03-2019

## 22.List of Seminars/Conferences/Trainings arranged

S#	Organizers	Role	Year	Other Details
1	University of Agriculture Faisalabad	Organizer	2021	Current scenario and Future Prospects’’, 28-29 <sup>th</sup> November, 2021.

## 23.List of Graduate Students Supervised

### 23a. List of Ph.D. Students Supervised as Major Supervisor

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1					
2				NA	
3					

### 23b. List of Ph.D. Students Supervised as Member Supervisory Committee

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1					

2				NA	
3					

**23c. List of M.Sc. (Hons.)/M.Phil. Students Supervised as Major Supervisor**

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1	Muhammad Haseeb Ahmad	2019	Plant Pathology	Evaluation of different application methods of resistance inducers for the management of root knot nematode, <i>Meloidogyne incognita</i>	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Bilquees Fatima
2	Haseeb Ullah kamber	2019	Plant Pathology	Response of different mungbean germplasm against Cercospora leaf spot and its management	Dr. Huma Abbas Dr. Muhammad Azhar Iqbal Dr. Sajid Aleem Dr. Shahnawaz ul Rehman
3	Muhammad Zafar	2019	Plant Pathology	Interaction of <i>Fusarium oxysporum</i> and <i>Meloidogyne incognita</i> on brinjal and its integrated management	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Bilquees Fatima
4	Misbah Naz	2019	Plant Pathology	Response of mungbean germplasm against root knot nematode and its management through resistance inducers	Dr. Huma Abbas Dr. Muhammad Shahbaz Prof. Dr. Nazir javed
5	Muhammad Junaid	2020	Plant Pathology	Response of soybean germplasm against pod and stem blight disease and its management	Dr. Huma Abbas Dr. Muhammad Kamran Prof. Dr. Nazir javed Dr. Saeed Ahmad
6	Akbar Sajjad	2020	Plant Pathology	Histopathological variations in okra germplasm due to root knot nematode infection and biological management of root knot nematode	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Jam Nazir Ahmad
7	Tanzeel Arif Bhatti	2020	Plant Pathology	Histopathological variations in eggplant due to root knot nematode, <i>Meloidogyne incognita</i> infection	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Jam Nazir Ahmad
8	Shamroz Khan	2020	Plant Pathology	Evaluation of mungbean germplasm against anthracnose disease and its management	Dr. Huma Abbas Dr. Muhammad Kamran Prof. Dr. Nazir javed Dr. Saeed Ahmad
9	Hasnain Iqbal	2020	Plant Pathology	Screening of mash bean germplasm against root knot nematode ( <i>Meloidogyne incognita</i> ) and its management through resistance inducers	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. M. Ahsan Khan

10	Muneeba Iram	2020	Plant Pathology	Morphological variability in okra ( <i>Abelmoschus esculentus</i> ) germplasm due to the infection of root knot nematode ( <i>Meloidogyne incognita</i> )	Dr. Huma Abbas Dr. Farooq Ahmad Dr. Sajid Aleem Khan
11	Kamran Ali Shah	2021	Plant Pathology	Management of Root-Knot Nematode infecting Alfalfa by PGPR, bio pesticides and chemicals	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Muhammad Arshad
12	Syed Raena Abbas	2021	Plant Pathology	Association of root knot nematode and Fusarium oxysporum causing guava wilt disease and its management	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Saeed Ahmad
13	Waqar Hassan	2021	Plant Pathology	Identification of stripe rust ( <i>Puccinia striiformis</i> ) resistant genes among Pakistani spring wheat ( <i>Triticum aestivum</i> L.) by using molecular markers.	Dr. Huma Abbas Dr. Muhammad Fayyaz Dr. Sajid Aleem Khan Dr. Saeed Ahmad
14	Hina Firdous	2021	Plant Pathology	Genetic diversity for yield and fiber quality traits in <i>Gossypium hirsutum</i> L. under CLCuV infection	Dr. Huma Abbas Dr. Amer Habib Dr. Amir Shakeel
15	Safian Jillani	2021	Plant Pathology	Nematicidal efficiency of phyto-extracts against Root Knot Nematode, <i>Meloidogyne incognita</i> on eggplant	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Sehar Nawaz
16	Rizwan Amanat	2021	Plant Pathology	Management of Root-Knot Nematode ( <i>Meloidogyne incognita</i> ) infecting Berseem by integration of PGPR, biopesticides and plant extracts	Dr. Huma Abbas Prof. Dr. Nazir javed Dr. Muhammad Arshad
17	Maham Batool	2022	Plant Pathology	Effect of salicylic acid on the growth of eggplant infected by root knot nematode ( <i>Meloidogyne incognita</i> ) through different means of application	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Saeed Ahmad
18	Aqsa Ashfaq	2022	Plant Pathology	Nematicidal potential of castor bean aqueous extract on the reproduction of root knot nematode ( <i>Meloidogyne incognita</i> ) in tomato	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Saeed Ahmad
19	Ayesha Javed	2022	Plant Pathology	Management of <i>Meloidogyne incognita</i> on tomato through Garlic extract (Polysulfide)	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Saeed Ahmad
20	Muhammad Irshad	2022	Plant Pathology	Nematicidal efficacy of different nematicides, phytoextracts and biopesticides against <i>Meloidogyne incognita</i> ravaging biotic stress to spinach	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Sehar Nawaz
21	Ansar Ali	2022	Plant Pathology	Management of storage decay of strawberry caused by <i>Botrytis cineria</i> and <i>Penicillium</i> spp. by using organic salt coating	Dr. Huma Abbas Dr. Amer Habib Dr. Imran Khan
22	Muhammad Usama Ameer	2022	Plant Pathology	Bio management of citrus nematode through the use of vermicompost and tardigrades	Dr. Huma Abbas Dr. Naisr Ahmad Dr. M. Arshad
23	Muhammad Faisal	2022	Plant Pathology	Impact of vermicompost and biopesticides on the reproduction of <i>Meloidogyne incognita</i> in eggplant	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Zubair Aslam

24	Muhammad Moazzam Tufail	2023	Plant Pathology	Management of <i>Macrophomina phaseolina</i> infecting sesame germplasm	Dr. Huma Abbas Dr. Amer Habib Dr. M. Didar Gogi
25	Muhammad Uzair Asghar	2023	Plant Pathology	Potential of resistance inducer in combination with biopesticide and plant extracts for the management of <i>Meloidogyne incognita</i> in eggplant	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. M. Shahid
26	Hamza Naseer	2023	Plant Pathology	Assessing the potential of fungicides and <i>Trichoderma harzianum</i> against <i>Colletotrichum falcatum</i>	Dr. Huma Abbas Dr. Amer Habib Dr. Bilquees Fatima
27	Zohaib Aslam	2023	Plant Pathology	Population frequency of <i>Meloidogyne</i> spp associated with vegetables and assessment of histopathological changes in infected plant tissue	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Jam Nazeer
28	Muhammad Faheem Khan	2023	Plant Pathology	Evaluation of the potential of resistance inducers in combination of plant extracts for the management of <i>Meloidogyne incognita</i> in eggplant	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. M. Shahid
29	M. Azfar Javed	2024	Plant Pathology	Integrated management of anthracnose caused by <i>Colletotrichum gleosporioides</i> in mashbean	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Bilquees Fatima
30	Usama Khadim	2024	Plant Pathology	Population dynamic of root knot nematode <i>Meloidogyne incognita</i> in carrot and assessment of histopathological changes	Dr. Huma Abbas Dr. Sajid Aleem Khan Dr. Bilquees Fatima

#### 23d. List of M.Sc. (Hons.)/M.Phil. Students Supervised as Member Supervisory Committee

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1	Hania Shehzadi	2019	Plant Pathology	Integrated management of <i>Meloidogyne incognita</i> in tomato by using nematicides, antagonist and essential oils	Prof. Dr. Nazir javed Dr. Huma Abbas Dr. Muhammad Arshad
2	Muhammad Hannan	2019	Plant Pathology	Application of micro and macro nutrients on cockscomb plant for the management of root knot nematodes	Prof. Dr. Nazir javed Dr. Huma Abbas Dr. Muhammad Hamid Bshir
3	Rehman wali	2020	Plant Pathology	Evaluation of different chemicals on the reproduction of root knot nematode ( <i>Meloidogyne incognita</i> ) in Chilli	Prof. Dr. Nazir javed Dr. Huma Abbas Prof. Dr. C. M. Ayyub
4	Hassan Bilal Shah	2020	Plant Pathology	Effects of N fertilization, organic matter and bio fertilizers on the growth and yield of chilli in relation to management of plant parasitic nematodes	Prof. Dr. Nazir javed Dr. Huma Abbas Dr. Muhammad Hamid Bshir
5	Muhammad Arshad	2020	Plant Pathology	Evaluation of pea germplasm against root knot nematodes ( <i>Meloidogyne incognita</i> ) and its management	Prof. Dr. Nazir javed Dr. Huma Abbas Prof. Dr. C. M. Ayyub
6	Kashaf Riaz	2020	Botany	Potential of different chemicals on the reproduction of root knot nematode <i>Meloidogyne incognita</i>	Prof. Dr. Nazir javed Dr. Farooq Ahmad Dr. Huma Abbas
7	Jharna Yousaf	2020	Botany	Chemical management of root knot nematode ( <i>Meloidogyne incognita</i> ) in tomato	Prof. Dr. Nazir javed Dr. Farooq Ahmad Dr. Huma Abbas

8	Muhammad Usman Anwar	2020	Horticulture	Effect of soil media on the growth of Ber ( <i>Ziziphus mauritiana</i> ) seedlings	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
9	Arslan Raza	2020	Horticulture	Effect of foliar application of seaweed extract on yield and quality of Kinnow Mandarin ( <i>Citrus reticulata</i> ) fruit	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
10	Yousaf	2020	Horticulture	Effect of Salicylic acid and Aloe Vera gel on the shelf life of Strawberry	Dr. Saeed Ahmad Dr. M. JafarJaskani Dr. Huma Abbas
11	Muhammad Ishaq	2020	Horticulture	Effect of storage period in germination of corticated and decorticated stone of mango	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
12	Sarfraz Ahmad	2020	Horticulture	Effect of phosphorus based fertilizers on the success of date palm suckers cv. khadrawvi	Dr. Saeed Ahmad Dr. Summar Abbas Naqvi Dr. Huma Abbas
13	Zoha Afzal	2021	Horticulture	Postharvest application of Chitosan, Calcium Chloride and salicylic acid effects on shelf life and quality of commercial Guava cultivar Gola at ambient temperature	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
14	Muhammad Arslan Danish	2021	Horticulture	Pre-storage treatment of Chitosan and calcium chloride to increase the shelf life and maintain the quality of Guava at ambient temperature	Dr. Saeed Ahmad Dr. M. JafarJaskani Dr. Huma Abbas
15	Abdul Rehman Shafique	2022	Horticulture	Study of postharvest physiology of Guava by using different coating materials	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
16	Khadija Ashraf	2022	Horticulture	Cinnamon oil and oleic acid coating effect on the maintenance of quality of Grapes in cold storage	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
17	Attif Ramzan	2022	Horticulture	Effect of seaweed application on the yield and quality of Ber ( <i>Ziziphus mauritiana</i> ) fruit	Dr. Saeed Ahmad Dr. Muhammad Azam Dr. Huma Abbas
18	Muhammad Akmal Rana	2022	Horticulture	Postharvest management of Guava by using different coating mater	Dr. Saeed Ahmad Dr. Rashid Waseem Khan Qadri Dr. Huma Abbas
19	Soha Asghar	2023	Horticulture	Effect of neem leaf extract on the shelf life of papaya fruit at ambient temperature	Dr. Muhammad Azam Dr. Faisal Shahzad Dr. Huma Abbas
20	Hassan Rauf	2023	Horticulture	Salicylic acid effects on the postharvest life of strawberry	Dr. Muhammad Azam Dr. Raheel Anwar Dr. Huma Abbas
21	Attiya Rehman	2023	Botany	Management of stem end rot of mango through biocontrol agents	Dr. Sajid Aleem Khan Dr. M. Shahbaz Dr. Huma Abbas
22	Muhammad Shoaib	2023	Botany	Management of guava decline through integrated approach	Dr. Sajid Aleem Khan Dr. M. Shahbaz Dr. Huma Abbas
23	Hassan Zia	2024	Plant Pathology	Management of root knot nematode on selected soybean cultivar by using antagonistic fungi	Dr. Sajid Aleem Khan Dr. Huma Abbas Dr. M. Dildar Gogi
24	Ariba aslam	2024	Plant	Potential of Plant growth promoting rhizobacteria	Dr. Sajid Aleem Khan

			Pathology	(PGPRs) for suppression of Verticillium wilt ( <i>Verticillium dahliae</i> ) in cotton	Dr. Huma Abbas Dr. Shahid Majeed
25	Muhammad Usman	2024	Plant Pathology	Mitigation of potato wilt caused by root knot nematode and <i>Fusarium</i> species by antagonistic fungi	Dr. Sajid Aleem Khan Dr. Huma Abbas Dr. M. Dildar Gogi
26	Talha	2024	Plant Pathology	Screening of grape varieties against <i>Tylenchulus semipenetrans</i> and its biological management	Dr. Sajid Aleem Khan Dr. Huma Abbas Dr. M. Ahsan Khan
27	Muhammad Usama	2024	Plant Pathology	Effect of magnetic seed treatment on morpho-physiological parameters on leaf rust response in <i>Triticum aestivum</i> L.	Dr. Amjad Abbas Dr. Huma Abbas Dr. Muhammad Sageer
28	Ambreen Fatima	2024	Biotechnology	Metabolomic profiling of wheat genotypes under drought stress	Dr. Sehar Nawaz Dr. Fozia Saleem Dr. Huma Abbas

## 24. Research Projects

### 24a. Research Projects completed

S. #	Title of the research project	Position	Duration (From-To)	Amount (Million Rs)	Donor
1.	Exploitation of available new chemistry insecticides for their nematocidal potential against root knot nematodes and their possible integration with bioagent ( <i>Pasteuria penetrans</i> ) to develop a sustainable management strategy	Co-PI	2019-2022	2.1 Million	HEC

### 24b. Research Projects Ongoing

S. #	Title of the research project	Position	Duration (From-To)	Amount (Million Rs)	Donor
1.					
2.		NA			
3.					

### 24c. Research Projects in pipeline

S. #	Title of the research project	Position	Duration (From-To)	Amount (Million Rs)	Donor
1.					
2.		NA			
3.					

## 25. Awards/Distinctions



S. #	Name of Award/Distinction	Year	Details
1.			
2.	NA		
3.			

**26. Academic/Professional collaboration**

S#	Collaborating agencies	Nature of Collaboration
<b>National</b>		
1.		
2.		
3.		
<b>International</b>		
1.		
2.		
3.		

**27. Outreach/Advisory Services (Farmers' field days, Zari mella, Farmers' moot meetings, Farmers' requests/problems, Agricultural exhibitions, and campaigns)**

S. #	Name of Activity	Place	Date	Details
1.	Wheat Campaign	Thikriwala	28-10-2022 to 06-11-2022	Improvement in wheat production
2.	Wheat Campaign	Thikriwala	07-11-2023 to 14-11-2023	Improvement in wheat production