

CURRICULUM VITAE

1. Name: Nasir Ahmed
2. Father's Name: Abdul Qadeer Khan
3. Nationality: Pakistani
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14. EDUCATIONAL QUALIFICATION

S#	Examination	Year	Marks/CGPA	Division	Subjects
1.	Matric	1996	592	1 st	Science
2.	F.Sc.	1998	633	2 nd	Pre-medical
3.	B.Sc. (Hons.) Agri.	2004		1 st	Plant Pathology
4.	M.Sc. (Hons.) Agri.	2007	3.75	1 st	Plant Pathology
5.	Ph.D.	2014	1092	1 st	Plant Pathology

Title of M.Sc. Thesis:

Studies on Extent of Shisham Dieback in Sindh and its Possible Management

Name of Supervisor: Prof. Mumtaz Ali Pathan

Title of Ph.D. Thesis:

Functional Characterization of *Phytophthora sojae* CRN Effectors in *Nicotiana benthamiana*

Name of Supervisor: Prof. Dou Daolong

Title of Post-Doctorate Research:

Population Genetic Structure and Dynamic of *Phytophthora infestans*

Name of Supervisor: Prof. Zhijian Zhao

15. OTHER CERTIFICATES/DIPLOMAS:

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

16. PROFESSIONAL TRAININGS:

S#	Name of Training	Year	Institute	Remarks
1	Two days Seminar on “Biosafety Measures in Agriculture: Issues and Options”	2019	Office of Research, Innovation & Commercialization (ORIC) University of Agriculture, Faisalabad in collaboration with Punjab Agriculture Research Board (PARB) on March 19-20.	
2	One day Workshop on Laboratory Biosafety	2019	Department of Plant Pathology, University of Agriculture, Faisalabad in collaboration with Pakistan Biological Safety Association (PBSA) on February 11.	
3	One day activity at University of Agriculture, Faisalabad “World Space Week-2018”	2018	Pakistan Space & Upper Atmosphere Research Commission (SUPARCO) on October 10.	
4	One day Final Workshop on “Punjab Agriculture and Dairy Leadership Program	2018	Institute of Horticultural Sciences, University of Agriculture, Faisalabad on July 18.	
5	Two-day Training of “Presiding Officers and Sr. Assistant Presiding Officers - GE 2018	2018	Election Commission of Pakistan and The United Nations Development Programme at Govt. M. C. High School Samanabad, Faisalabad July 7-8	
6	One day Tree Plantation Campaign (Forests and Sustainable Cities) and seminar on “International Day of Forest”	2018	University of Agriculture, Faisalabad on March 21.	
7	One day seminar on “Value Added Food Products: Issues & Opportunities for Entrepreneurs”	2018	National Institute of Food Science & Technology (NIFSAT) and Office of Research, Innovation & Commercialization (ORIC) University of Agriculture, Faisalabad on January 19.	
8	One day International Workshop on “Development Vegetable Seed Industry”	2018	Institute of Horticultural Sciences, University of Agriculture, Faisalabad on January 11.	

9	One day seminar on “Intellectual Property Rights”	2017	organized by Office of Research, Innovation & Commercialization (ORIC) University of Agriculture, Faisalabad on November 01.	
10	International Symposium on Health and Nutrition on “Molecular Care”	2017	Department of Biochemistry, University of Agriculture, Faisalabad held on October, 30.	
11	Twenty-day training courses for Plant Protection Technology	2017	South & Southeast Asia in Yunnan Province P. R. China organized by Yunnan Academy of Agricultural Sciences, Kunming China from 11 th to 30 th June	
12	One-day workshop on Strategic Use of Digital Technology in University Instruction	2016	U.S-Pakistan Centre for Advanced Studies in Agriculture and Food Security on October 17 at UAF.	
13	Four-day workshop on Hybrid Course Design & Development	2016	U.S-Pakistan Centre for Advanced Studies in Agriculture and Food Security on October 18-21 at UAF	
14	Two days training “National Grants Writing Workshop	2016	U.S-Pakistan Centre for Advanced Studies, UAF in Agriculture and Food Security 4-5 April	
15	One day international seminar on “Prospects of Bulbous Flower Production in Pakistan”	2016	Institute of Horticultural Sciences, University of Agriculture, Faisalabad, Pakistan in collaboration with Greenworks, Lahore	
16	Two days training on “Result Based Monitoring & Evaluation”	2016	Pakistan Agriculture Research Council, Agricultural Linkages Program (ALP), AARI, Faisalabad	
17	Two days workshop on “SPS Compliance through the fresh produce supply chain”	2016	Phytosanitary risk management program in Pakistan CAB international, Central and West Asia on 3 & 4 August at UAF	
18	One day “Hands-on training of Turnitin”	2016	University of Agriculture Faisalabad and ORIC-UAF on 19 March	

19	One semester Molecular Biological Training	2010	Nanjing Agricultural University, China.	
20	6 th Month Training in Farmer Field School, National Integrated Pest Management Program for Cotton	2003	National Agriculture Research Center, PARC, Islamabad, in Collaboration with Agriculture Extension Sindh.	

18. EXPERIENCE:

ACADEMIC				
S#	Designation/ Position	From (dd.mm.yyyy)	To (dd.mm.yyyy)	Total Duration (years.months.days)
1.	Associate Professor	30-6-2022	Present	Present
2.	Assistant Professor	16-09-2015	29-06-2022	06. 09.13
3.	Assistant Professor	09-08-2014	08-08-2015	One year
ADMINISTRATIVE				
S#				
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19. OTHER ASSIGNMENTS

- Member of synopsis scrutiny committee of Department of Plant Pathology.
- Duty during new entry test for new admission 2016-2022
- Invigilation duty during Mid and final Examination of Winter and Spring Semesters, 2015-2022 at UAF.
- Edited and upgraded Data for annual report
- Member of Board of Studies of Department of Plant Pathology
- Performed as Co-Advisor in academic spring semester to sign UG-1 form
- Participate in meeting for arrangement of Agricultural Exhibition at UAF
- Paper setter of written Ph.D. Comprehensive Examination for Department of Plant Pathology for the students
- Member of Board of Examiners in Oral part Ph.D. Comprehensive Examination
- Provide advisory services in identification and management of citrus, potato, Chilli, Sugarcane and guava diseases to farmers and different pesticide companies for evaluation of their products against different diseases.
- Develop Month wise Citrus management Calendar for Farmers.
- Provide consultancy to citrus growers (Mian Chunnu, Sargodha, Multan, Rahim Yar Khan, Bhakar, Toba Tek Singh, Mandi Baha Uddin, Sargodha and Faisalabad).

- Provide consultancy to Potato, Tomato, Chilli and Onion growers.

20. PUBLICATIONS

20a. List of Books published

S#	Authors	Title	Year	Publisher's Details
1	Rajput N.A. , M.A. Pathan and Daolong Dou	Shisham dieback and its possible management, A survey of Shisham tree disease in Pakistan	2012	LAP Academic Publishing GmbH & Co. KG, Germany.

20b. List of Book Chapters published

S#	Authors	Title	Year	Publisher's Details
1	Muhammad Atiq and Nasir Ahmed Rajput	Extension Plant Pathology	2022	Publisher: Springer Singapore
2	Muhammad Amjad Ali, Amjad Abbas, Muhammad Atiq, Nasir Ahmed Rajput , Khalid Naveed and Nazir Javed	Plant diseases of major crops and the way forward for their management.	2018	Developing Sustainable Agriculture in Pakistan. CRC Press Taylor and Francis Group. Pp. 369-389.
3				

20c. List of Books Edited

S#	Editors	Title	Year	Publisher's Details
1				
2				
3				

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

S#		Title	Year	Journal Detail	Impact Factor
1	Brasier, C.M., N.J. Grünwald, T.B. Bourret, F. Govers, et al.,	Preserving the Biologically Coherent Generic Concept of <i>Phytophthora</i> , 'Plant Destroyer'	2025	Phytopathology	2.6

2	Usman, M., M. Atiq, N.A. Rajput, M. Sagheer and Y. Xia	Computational and experimental approaches to explore defense related enzymes conferring resistance in Fusarium infected chilli plants by regulating plant metabolism through nutritional products	2025	<i>PloS one</i> , 0309738	3.24
3	Rajput, M., M.S. Sajid, N.A. Rajput, D.R. George, M. Usman, M. Zeeshan, O. Iqbal, B. Bhutto, M. Atiq, H.M. Rizwan, I.K. Daniel and O. A. Sparagano	Entomopathogenic Fungi as Alternatives to Chemical Acaricides: Challenges, Opportunities and Prospects for Sustainable Tick Control	2024	<i>Insects</i> 2024, 15, 1017	2.7
4	Maria, I. Naz, R. Khan, S.S. Alam, O. Iqbal, S. Akram, N. A. Rajput, M. U. Younas, M. Qasim, I. Ali, H. E. Elsalahy, R. Iqbal, R. M. Aljowaie and S. Munir.	Unleashing the synergistic effect of promising fungicides: a breakthrough solution for combating powdery mildew in pea plants.	2024	<i>Frontiers in Microbiology</i> 15, 1448033	4.0
5	Ali, F., A. Razzaq, W. Tariq, A. Hameed, A. Rehman, K. Razzaq, S. Sarfraz, N.A. Rajput, H.E.M. Zaki, M.S. Shahid and G. Ondrasek.	Spectral Intelligence: AI-Driven Hyperspectral Imaging for Agricultural and Ecosystem Applications	2024	<i>Agronomy</i> 14, 2260.	3.3
6	Iqbal, S., M. Atiq, S.T. Sahi, N. Akbar and N.A. Rajput.	Progressive alterations in mineral contents in citrus genotypes toward <i>Alternaria citri</i> causing brown spot of citrus	2024	<i>PLOS ONE</i> 19(7): e0306031.	3.24
7	Rajput, M.A., O. Iqbal, R.N. Syed, H.H. Elsalahy, N.A. Rajput , S. Ahmad, R. Khan, M.A. Khanzada, M.U. Younas, M. Qasim, H. Rizwana, K.S. Almaary, R. Iqbal and A. M. Lodhi	Screening of sugarcane germplasm against <i>Sporisorium scitamineum</i> and its effects on setts germination and tillering.	2024	<i>Scientific Reports</i> 14:14653	3.8
8	Iqbal, O., R.N. Syed, N.A. Rajput, Y. Wang, A.M. Lodhi, R. Khan, S.M. Jibril, M. Atiq and C. Li.	Antagonistic activity of two Bacillus strains against <i>Fusarium oxysporum</i> f. sp. <i>capsici</i> (FOC-1) causing Fusarium wilt and growth promotion activity of chili plant.	2024	<i>Frontiers in Microbiology</i> 15: 1388439.	4.0

9	Wei, W., B. Khan, Q. Dai, J. Lin, L. Kang, N. A. Rajput, W. Yan and G. Liu.	Potential of Secondary Metabolites of Diaporthe Species Associated with Terrestrial and Marine Origins.	2023	<i>Journal of Fungi</i> 9, 453.	5.816
10	Khan, B., Y. Li, W. Wei, G. Liu, C. Xiao, B. He, C. Zhang, N. A. Rajput, Y. Ye, and W. Yan	Chemical Investigation of Endophytic <i>Diaporthe unshiuensis</i> YSP3 Reveals New Antibacterial and Cytotoxic Agents.	2023	<i>Journal of Fungi</i> 9, 2: 136	5.816
11	Rajput, M.A., Syed, R.N., Khoso, F.N., Hajano, J.U.D., Rajput, N.A., Khanzada, M.A. and Lodhi, A.M	Impact of <i>Sporisorium scitamineum</i> infection on the qualitative traits of commercial cultivars and advanced lines of sugarcane	2022	<i>PloS one</i> , 17(5), p.e0268781	3.24
12	Rajput, M. A., N. A. Rajput , R. N. Syed, A. M. Lodhi and Y. Que	Sugarcane Smut: Current Knowledge and the Way Forward for Management	2021	<i>Journal of Fungi</i> , 7, 1095	5.816
13	Alam, M.W., A. Malik, A. Rehman, M. Sarwar, T. Shafeeq, A. Hameed, N. A. Rajput and Muhammad Atiq	First Report of <i>Lasiodiplodia pseudotheobromae</i> Causing Stem End Rot of Mango Fruit in Pakistan	2021	Plant Disease	4.438
14	Sarfraz, S., S. T. Sahi, S. Oulghazi, K. Riaz, N. A. Rajput , M. Atiq, M. Tufail, A. Hameed and D. Faure	Species diversity of Dickeya and Pectobacterium causing blackleg disease in potato fields in Pakistan	2020	Plant Disease 104(05)	4.438
15	Li, D. L., J. Cao, Chao Huo, N. A. Rajput and Z. Zhao	First Report of <i>Phytophthora nicotianae</i> Causing Asparagus Spear and Root Rot in China.	2018	Plant Disease 102(05): 1042.	4.438
16	Ashraf, M., M. Farooq, M. Shakeel, N. Din, S. Hussain, N. Saeed, Q. Shakeel and N. A. Rajput	Influence of entomopathogenic fungus, <i>Metarhizium anisopliae</i> , alone and in combination with diatomaceous earth and thiamethoxam on mortality, progeny production, mycosis, and sporulation of the stored grain insect pests	2017	Environmental Science and Pollution Research 24: 28165-28174.	4.223
17	Rajput , N.A., Meixiang Zhang, Danyu Shen, Tingli Liu, Qimeng Zhang, Yanyan Ru, Peng	Overexpression of a Phytophthora cytoplasmic CRN effector confers resistance to disease, salinity and drought in <i>Nicotiana benthamiana</i> .	2015	Plant and Cell Physiology 56(12):2423-2435.	4.927

	Sun, and Daolong Dou.				
18	Zhang, M. X., N. A. Rajput* , S. Danyu, Peng. S, Wentao. Z, T. Liu, Mafurah J.J, Daolong Dou	A <i>Phytophthora sojae</i> cytoplasmic effector mediates disease resistance and abiotic stress tolerance in <i>Nicotiana benthamiana</i> .	2015	Scientific Reports 5, 10837	4.379
19	Mafurah J. J; H. Ma; M. Zhang; J. Xu; F. He; T. Ye; D. Shen; N. A. Rajput ; D. Dou	A virulence essential CRN effector of <i>Phytophthora capsici</i> suppresses host defense and induces cell death in plant nucleus	2015	PLOS ONE 10 (5): e0127965.	3.240
20	Ye, Yonghao., L. Cong, Y. Jun, M. Liang, X. Yu, H. Jun, N.A. Rajput , G.C. Fen, Z. Yingying, W. Minghua.	Construction of immobilized-AChE column and its application in screening insecticidal constituents from <i>Magnolia officinalis</i>	2014	Pest Management Science. 71: 607-615.	4.845
21	Rajput , N.A., M.X. Zhang, Y.Y. Ru, T. Liu, L. Liu, J.J. Mafurah, Daolong Dou	<i>Phytophthora sojae</i> effector CRN70 suppresses plant defense in <i>Nicotiana benthamiana</i> .	2014	PLoS ONE 9(5): e98114.	3.240
22	Cao, J., C. Huo, M. Yang, N. A. Rajput and Z. Zhao.	First Report of <i>Phytophthora capsici</i> Causing Foliar and Pod Blight of Snap Bean in China.	2018	Plant disease 102(02): 455.	4.438

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

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Rajput, N.A., M. Atiq, A.M. Lodhi, R.N. Syed, O. Iqbal, M.U. Ali, M. Wahab and H. Ahmad.	First report of <i>Pythium aphanidermatum</i> causing stem and root rot disease on sesame (<i>Sesamum indicum</i> L.) in Punjab, <i>Pakistan</i> .	2024	<i>Journal of Plant Pathology</i> , 1-2.	1.2
2	Ali, M.U., N. A. Rajput, M. Atiq, R. M. Atif and S. G. Crandall.	Population Dynamics and Aggressiveness of Fungal Pathogens Associated with Chilli Root Rot.	2024	<i>Pakistan Journal of Botany</i> 56(1): 377-387.	0,9
3	Hameed, A., N.A. Rajput, R. Binyamin, F. Ali, M.W. Alam, H.M.U. Aslam, H. Riaz and S. Ali.	Epidemiological Markers for Citrus Canker caused by <i>Xanthomonas citri</i> pv. <i>citri</i>	2023	<i>International Journal of Phytopathology</i> 12(3): 295-302.	

4	Shahbaz H., M. Atiq, N.A. Rajput, M.A. Khan.	Managing citrus canker: Evaluating the effectiveness of antibiotics and chemicals for disease control.	2023	<i>International Journal of Phytopathology</i> 12(01): 199-209.	
5	Atiq, M., M.Z. Talib, N.A. Rajput, S.T. Sahi, M.A. Khan, M. Usman, A. Jabar, M.J. Arif, M.D. Gogi, M.A. Khan and A. Akram.	New fangled tactics towards cotton leaf curl virus disease A review.	2023	<i>Journal of Natural Fibers</i> 20(2): 2217364.	2.8
6	Atiq, M., A. Akram, N.A. Rajput, A. Nawaz, M. Usman, A. Jabbar, W.U. Din, S. Iqbal, M. Usman Anwar, M. Ammar.	Management tactics towards red rot; cancer of sugarcane –a review.	2023	<i>Journal of Xi'an Shiyou University, Natural Science Edition</i> 19(06): 263-281.	
7	Atiq, M., T. Fatima, N. A. Rajput, M. Usman, G. A. Kachelo, U. Ahmed, A. M. Arif, A. Nawaz, M. Kashif and M. Ashraf.	<i>Moringa Oleifera</i> Plant Based Copper and Silver Nano Particles and its Antibacterial Activity towards Leaf Spot of Chilli Caused by <i>Xanthomonas campestris</i> pv. <i>vesicatoria</i> .	2023	<i>International Journal of Phytopathology</i> 12(01): 63-72.	
8	Atiq, M., K. Fatima, N. A. Rajput, S. T. Sahi, A. Hameed, M. Usman, U. Ahmad, A. Sultan, S. Iqbal and A. Nawaz.	Estimation of Biocidal Potential of Desert Phytopowders for the Management of Citrus Canker.	2023	<i>Sains Malaysiana</i> 52 (3): 757-770.	0.8
9	Muhammad, N., N. A. Rajput, M. Atiq, S. T. Sahi, A. Rehman, A. Hameed, G. A. Kachelo and S. Ahmed.	Integrated Management of Fusarium Wilt of Chilli Caused by <i>Fusarium oxysporum</i> f. sp. <i>capsici</i> Through Different Management Approaches.	2022	<i>Pakistan Journal of Botany</i> 54(5): 1963-1970.	0.9
10	Shah, G.S., N.A. Rajput, R.N. Syed, Khanzada, M.A. Khanzada, A.M. Khanzada, O. Iqbal and A.M. Lodhi,	Cluster bean (<i>Cyamopsis tetragonoloba</i> L.)-a new host of <i>Pythium aphanidermatum</i>	2022	<i>Journal of Plant Pathology</i> 104(3), 1139-1140.	2.6
11	Atiq, M., H. M. R. Mazhar, N. A. Rajput, U. Ahmad, A. Hameed, and A. Lodhi.	Green Synthesis Of Silver And Copper Nanoparticles From Leaves Of Eucalyptus Globulus And Assessment Of Its Antibacterial Potential Towards <i>Xanthomonas Citri</i> Pv. <i>Citri</i> Causing Citrus Canker	2022	<i>Applied Ecology and Environmental</i> 20, no. 3 (2022): 2205-2213	0.81

12	Jameel, S., A. Rehman, N. A. Rajput and B. Sadia	Molecular Characterization of the Pathogen Causing Grey Mold in Strawberry and Its Management	2021	Applied Ecology and Environmental Research 20(1), 465-478	0.711
13	Shah, G. S., M. A. Rustamani, R. D. Khuhro, N. A. Rajput , A. M. Lodhi	First report of root rot of spinach caused by <i>Pythium aphanidermatum</i> in Pakistan	2021	Journal of Plant Pathology	2.6
14	Rajput, N. A. , C. Huo, J. Cao, R. M. Atif, A. M. Lodhi, R. N. Syed, S. Sarfraz, A. Hameed, and Z. Zhao.	First report of <i>Curvularia verruculosa</i> causing leaf spot disease of grape (<i>Vitis vinifera</i>) in Afghanistan	2020	Journal of Plant Pathology, 102: 1337.	
15	Khan, B., Y. Wei, W. Shan, W. Zhiyang, Z. Shuangshuang, C. Lingling, N. A. Rajput , Y. H. Ye	Nematicidal metabolites from endophytic fungus <i>Chaetomium globosum</i> YSC5	2019	FEMS Microbiology Letters 366(14)	2.742
16	Ahmed, I., M. Atiq, M. F. Nawaz, S. Ahmed, M. Asif, S. Gull, M. A. Tanveer, M. Abdullah, M. F. Azhar and N. A. Rajput	Prediction of Dieback Disease of <i>Dalbergia sissoo</i> (Shisham) based upon Environmental Factors and Tree Age	2019	Applied Ecology and Environmental Research 17(3): 6483-6495	0.711
17	Guo, N., Q. Yan, H. Ma, N. A. Rajput , H. Jiang, J. Zhao, H. Wang, D. Dou and H. Xing.	Resistance to Phytophthora Pathogens is Dependent on Gene Silencing Pathways in Plants	2018	Journal of Phytopathology 166(06): 379-385.	1.789
18	Syed R. N., A. M. Lodhi, M. M. Jiskani, K. I. Rajput, M. A. Khaskheli, M. A. Khanzada, N. A. Rajput , S. A. Maitlo and A. Q. Rajput	First report of Panama wilt-disease of banana caused by <i>Fusarium oxysporum</i> f. sp. cubense in Pakistan	2015	Journal of Plant Pathology 97 (1), 209-220.	1.789

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

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Shabir, S., M. Atiq, G. A. Kachelo, M. U. Ali, A. Nawaz, M. H. Furqan, M. E. Khan, Hadeed Ahmad, M. Wahab and N. A. Rajput .	Integrated Management of Alternaria Leaf Spot in Cabbage caused by <i>Alternaria brassicicola</i> using Chemicals and Phyto Extracts.	2024	<i>Journal of Agriculture and Biology</i> 02(1): 43-51.	
2	Ali F., M. Atiq, N.A. Rajput , I. Ahmad, M.A. Latif, M.A. Aslam, M.J. Matloob, M. Mehtab, A. Ijaz and M. Qasim.	Intervention of Bacterial Leaf Spot of Bell Pepper through Neem Mediated Copper and Zinc Hybrid Nanoparticles.	2024	<i>Phytopathogenomics and Disease Control</i> 3(2): 251-259.	

3	Aslam N., M. Atiq, N.A. Rajput , A. Akram, A.M. Arif, G.A. Kachelo, A. Nawaz, M.M. Jahangir, A. Jabbar and A. Ijaz.	Explicating botanical bactericides as an intervention tool towards citrus canker.	2024	<i>Plant Protection</i> 08(01): 25-32.	
4	Shaheen, M.H.U., N.A. Rajput , M. Atiq, G.A. Kachelo, H. Ahmad, M. Wahab, M.F. Tahir and A. Hasnain.	Antifungal potential of medicinal plant extracts against brown leaf spot (BLS) disease of rice caused by <i>Bipolaris oryzae</i> .	2024	<i>Sarhad Journal of Agriculture</i> 40(2): 603-614.	
5	Khan R.A., M. Atiq, N.A. Rajput , I. Ahmad, A. Hasnain, A. Nawaz, M. Mehtab, W. Ahmad.	Assessment of phytoextracts and synthetic chemicals for controlling leaf blight of <i>Syzygium cumini</i> .	2023	<i>Plant Protection</i> 7(2): 193-205.	
6	Ghaffar, A., M. Atiq, N.A. Rajput , T. Fatima, G.A. Kachelo, S. Ali and A. Jabbar.	Chemotherapeutic management of <i>Ralstonia solanacearum</i> causing bacterial wilt of tomato.	2022	<i>Agricultural Sciences Journal</i> 4(2): 43-55.	
7	Hameed, A., M. Atiq, N.A. Rajput , H. Alsamadany, Y. Al-Zahrani, M.W. Alam, S Z.H.Shah, F.Ali, A.Afzal and Z. Ahmed	In-Vitro Antibacterial Potential of Antibiotics Against <i>Xanthomonas axonopodis</i> PV. citri	2022	<i>Fresenius Environmental Bulletin</i> 31(4), pp.3886-3892.	0.489
8	Arshad, A., H.M.Arshad, M.Atiq, , S.T.Sahi, S.Ali, N.A.Rajput and B.Ashfaq	Response Of Rice Cultivars Against Toxins Produced By <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> Causing Bacterial Leaf Blight Disease.	2022	<i>Fresenius Environmental Bulletin</i> 31(6), pp.5396-5402.	0.489
9	Hameed, A., M. Atiq, N.A. Rajput , H. Alsamadany, Y. Alzahrani, M.W. Alam, F. Ali and Z. Ahmed	In-vitro Antibacterial Potential of Antibiotics against <i>Xanthomonas axonopodis</i> pv. <i>citri</i>	2022	<i>Fresenius Environmental Bulletin</i> 29(01):9614-9620	0.489
10	Khanzada, A., M. A. Khanzada, R. N. Syed, N. A. Rajput , A. M. Lodhi	Exploration of Entomopathogenic Fungi for Controlling <i>Phenacoccus solenopsis</i> under <i>in vitro</i> Conditions	2020	<i>Fresenius Environmental Bulletin</i> 29(01):9614-9620	0.489
11	Rajput, M. A., N. A. Rajput , R. N. Syed, M. A. Khnazada, I. Khan, A M, Lodhi	Genetic Characterization of <i>Sporisorium scitamineum</i> isolates In Sugarcane through RAPD Analysis	2020	<i>Fresenius Environmental Bulletin</i> 29(06):4355-4363	0.489
12	Atiq, M., Naeem, I., Sahi, S.T., Rajput, N.A. , Haider, E., Usman, M., Shahbaz, H., Fatima, K., Arif, E. and Qayyum, A	Nanoparticles: a safe way towards fungal diseases. Archives of Phytopathology and Plant Protection	2020	Archives of Phytopathology and Plant Protection 53(17-18), pp.781-792	1.28

13	Hameed, A., M. Atiq, N. A. Rajput, S. T. Sahi, S. Sarfraz, H. Alsamadany, A. M. Lodhi, F. A. Tahir, N. Liaqat and Z. Ahmed	Assessment of genetic potential of citrus germplasm against citrus canker caused by <i>Xanthomonas axonopodis</i> pv. <i>citri</i> .	2020	Fresenius Environmental Bulletin 29(05):3557-3563	0.489
14	Mushtaq, MS., N. A. Rajput, M. Atiq, A. M. Lodhi, B. Khan, A. Hameed, S. Sarfraz, Noor Muhammad, G. A. Kachelo and Hina Firdous	Activation of Potato Defense System Against Late Blight Disease Through Plant Activators	2019	Fresenius Environmental Bulletin 28(12):9716-9723	0.489
15	Rajput N. A., M. Atiq, N. Javed, Y. H. Ye, Z. Zhao, R. N. Syed, A. M. Lodhi, B. Khan, O. Iqbal and D. Dou.	Antimicrobial effect of Chinese Medicinal Plant Crude Extracts against <i>Rhizoctonia solani</i> and <i>Pythium aphanidermatum</i> .	2018	Fresenius Environmental Bulletin 27(06): 3941-3949.	0.489

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

S#	Authors	Title	Year	Journal Detail	Impact Factor
1					
2					
3					

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

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Muhammad, N., N.A. Rajput, M. Atiq, S.T. Sahi, A. Rehman, A. Hameed, G.A. Kachelo and S. Ahmed	Integrated Management of Fusarium Wilt of Chilli Caused by <i>Fusarium oxysporum</i> f. sp. <i>capsici</i> Through Different Management Approaches	2022	Pakistan Journal of Botany	0.972
2	Atiq, M., S. Adil, N. A. Rajput, S. T. Sahi, A. Hameed, M. Usman, S. Iqbal, S. A. Chand, A. Nawaz, A. M. Arif, A. Akram and H. Shahbaz	Activation of <i>Capsicum annum</i> L. Defense System against Fusarium wilt through Plant Activators and Their Impact on Horticultural Attributes	2021	International Journal of Phytopathology	

3	Atiq, M., S. Adil, N. A. Rajput , S. T. Sahi, A. Hameed, A. Jabbar, M. Usman, S. Iqbal, H. Tariq, H. M. R. Mazhar and M. Faizan Ullah	Role of Exogenous Application of Alpha-Tocopherol in Reducing Low Temperature Stress in Bell Pepper	2021	International Journal of Phytopathology	
5	Rajput, N. A. , M. Atiq, A. M. Lodhi, R. N. Syed, A. Hameed, Owais Iqbal and B. Khan.	Characterization Of Soil Inhabiting Fungi <i>Mortierella Capitata</i> in Pakistan	2021	Pakistan Journal of Botany 53(6): 1-4	0.972
6	Khan, B., N. Javed, S. A. Khan, N. A. Rajput , M. Atiq, A. Jabbar	Potential of Entomopathogenic Nematode (Steinernema kraussei) against Last Instar Larvae of Different Lepidopteran Insect Pests	2020	Pakistan Journal of Zoology 52(4): 1275-1281	0.831
7	Maitlo, S. A, N. A. Rajput , R. N. Syed, M. A. Khanzada, A. Q. Rajput and A. M. Lodhi	Microbial control of Fusarium wilt of chickpea caused by <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>	2019	Pakistan Journal of Botany 51(6): 2261-2268	0.972
8	Rajput, A., S. R. Shah, M. A. Khanzada, N. A. Rajput , F. N. Khoso, A. M. Lodhi	Chemical Control of Whip Smut of Sugarcane Caused by <i>Sporisorium scitamineum</i>	2019	Pakistan Journal of Botany 51(5): 1891-1897	0.972
9	Rajput, N. A., M. Atiq, A. M. Lodhi, N. Guo, A. Safder, R. N. Syed, M. Shakeel, M. Zhang, T. Liu and D. Dou	A Cytoplasmic Effector Pscrn161 Enhanced Disease Resistance in <i>Nicotiana benthamiana</i> against <i>Phytophthora capsici</i>	2017	Pakistan Journal of Botany 49(SI): 317-323.	0.972
10	Maitlo, S., A. Q. Rajput, R. N. Syed, M. A. Khanzada, N. A. Rajput and A. M. Lodhi	Influence of Physiological Factors on Vegetative Growth and Sporulation of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> .	2017	Pakistan Journal of Botany 49(SI):311-316	0.972
11	Rajput, N.A., M.A. Pathan, A. Qayoom Rajput, M.M. Jiskani, A. Mubeen Lodhi, Sabit Ahsan Rajput and M.I. Khaskhali	Isolation and identification of fungi associated with shisham trees and their impact on germination and seedling mortality.	2010	Pakistan Journal of Botany 42(1): 369-374	0.972
12	Syed, R. N., A. M. Lodhi, N. A. Rajput, M. I. Kumbhar and M. A. Khanzada	Prevalence of Postharvest Rots of Mango in Different Farms of Sindh, Pakistan.	2017	Pakistan. Pakistan Journal of Botany 49(SI): 325-330.	0.972

13	Rajput, N.A., M.A. Pathan, M.M. Jiskani, A.Q. Rajput and R.R. Arian	Pathogenicity and host range of <i>Fusarium solani</i> (Mart.) Sacc. causing dieback of shisham (<i>Dalbergia sissoo</i> Roxb.).	2008	Pakistan Journal of Botany 40(6): 2631-2639.	0.972
14	Arain R. R., R. N. Syed, A. Q. Rajput, M. A. Khanzada, N. A. Rajput and A. M. Lodhi.	Comparative efficacy of <i>Trichoderma harzianum</i> , neem extract and furadan on plant growth and <i>Meloidogyne incognita</i> (Kofoid & White) Chitwood infecting tomato.	2015	Pakistan Journal of Nematology 33(1): 105-112.	

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

S#	Authors	Title	Year	Journal Detail	Impact Factor
1	Atiq, M., N. A. Rajput, S.T. Sahi, A. Akram, M. Usman, G. A. Kachelo	A Way Forward Towards The Management Of Chilli Anthracnose-A Review	2022	<i>Agricultural Sciences Journal</i> , 4(1), pp.1-10.	
2	Kachelo, G.A., N.A. Rajput, M. Atiq, S.T. Sahi, N.A. Khan, A. Hameed, N. Muhammad and M.S. Mushtaq.	Antifungal efficacy of plant extracts and chemicals against alternaria leaf spot disease of spinach.	2022	<i>Pakistan Journal of Agricultural Research</i> , 35(2): 380-387.	
3	Iqbal, S., M.A. Khan, M. Atiq, N.A. Rajput, M. Usman, A. Nawaz, G.A. Kachelo, A. Akram and H. Ahmed	Mango anthracnose: Global status and the way forward for disease management	2022	<i>Journal of Innovative Sciences</i> 8, no. 2 (2022): 222-235	
4	Atiq, M., M. Riasat, N. A. Rajput, S. T. Sahi, M. Usman, H. M. R. Mazhar, A. Nawaz, A. Jabbar, N. U. Rehman, F. Yaqoob, H. M. U. Shaheen	Estimation of antibiotics and synthetic chemicals towards bacterial wilt of potato caused by <i>Ralstonia Solanacearum</i> .	2021	<i>Agricultural Sciences Journal</i> , 3(2), pp.1-12.	
5	Mazhar, H. R., M. Atiq, N. A. Rajput, S. Ali, M. Usman, U. Ahmad, A. Nawaz, M. Faizan Ullah and S. Iqbal	Determination of Antibacterial Activity of Phytochemicals towards <i>Xanthomonas citri</i> P.v. <i>citri</i> Causing Citrus Canker	2021	<i>Agricultural Sciences Journal</i>	
6	Khan, A. S., M. Atiq, N. A. Rajput, K. Fatima, E. Arif, A. Qayyum and H. Tariq	Prevalence, epidemiology and management of canker disease caused by <i>Xanthomonas citri</i> p.v. <i>citri</i> in Sargodha district of Pakistan	2021	<i>Journal of Pure and Applied Agriculture</i>	
7	Tariq, H., N.A. Rajput, M. Atiq, S.T. Sahi, A. Rehman, A. Rashid, M.A. Khan, A. Hameed and W.M. Saddique	Resistance assessment of citrus varieties against gummosis disease caused by <i>Phytophthora nicotianae</i> under natural field conditions	2021	<i>Pakistan Journal of Agricultural Research</i> , 34(4): 824-829	

8	Younas, M., M. Atiq, N. A. Rajput , W. Abbas, M. R. Bashir, S. Ahmad, M. Sami Ullah, W. A. Bhatti, N. Liaqat, I. Ahmad	Induction of Resistance in Onion against Purple Blotch Disease through Chemicals	2021	Asian Journal of Agriculture and Biology 2021(4) 1-7	
9	Bashir, M. R., A. Mahmood, M. Atiq, M. Yaseen, N. A. Rajput , M. Aftab, A. M. U. Din, M. Mohsan, Q. A. T. Khan	Assessment of Genetic Variability in Mustard against Alternaria Leaf Spot Disease through Natural Field Conditions	2019	Pakistan Journal of Phytopathology. 31(02): 211-216	
10	Husnain, S. K., S. H. Khan, M. Atiq, N. A. Rajput , W. Abbas, M. Mohsin	Screening of Peas (<i>Pisum Sativum</i>) Varieties/ Lines Against Fusarium Wilt (<i>Fusarium oxysporum</i> f. sp. <i>pisi</i>) and <i>in Vitro</i> Evaluation of Fungicides against Mycelial Growth of Pathogen	2019	Pakistan Journal of Phytopathology 31(01): 89-96	
11	Subhani, A., M. Atiq, N. A. Rajput, M. R. Bashir, M. Asif, S. Kauser, Y. Ali, A. Hameed, N. Muhammad, K. Mazhar.	Antifungal Potential of Commercially Available Fungicides Against Alternaria Blight of Brassica.	2018	Pakistan Journal of Phytopathology 30(01): 51-58.	
12	Baloch, M. S., N. A. Rajput, M. Atiq, A. Rehman, S. M. Khan, K. Naveed, B. Khan, S. Ullah, N. M. Baloch.	Effect of Different Plant Activators Against Rhizoctonia solani Causing Root Rot of Chilli	2018	Pakistan Journal of Phytopathology 30(01): 45-51.	
13	Naveed K., S. A. Khan, N. A. Rajput and A. Ahmad.	Occurrence and Distribution of Vegetables Seed-Borne Mycoflora in Punjab Pakistan. Pakistan Journal of Phytopathology	2017	Pakistan Journal of Phytopathology 29(02): 281-288.	
14	Naveed K., S. A. Khan, N. A. Rajput and A. Ahmad.	Population structure of Phytophthora infestans on worldwide scale: a review	2017	Pakistan Journal of Phytopathology. 29(02): 265-271.	
15	Atiq, M., S. Arooj, N. A. Rajput, M. R. Bashir, N. Javed, E. Haq, W. Abbas and B. Khan.	Induction of Systemic Resistance in Cotton against Bacterial Blight and its effect on Yield	2017	International Journal of Biology and Biotechnology. 14(04): 591-595	
16	Khan, B., Z. Akash, S. Asad, N. Javed, N. A. Rajput , A. Jabbar, W. U. Din, R. M. Atif	Antagonistic Potential of <i>Trichoderma harzianum</i> against <i>Fusarium oxysporum</i> f. sp. <i>cubense</i> associated with Panama wilt of Banana	2017	Pakistan Journal of Phytopathology 29(01): 111-116.	
17	Khan, B., N. Javed, S. A. Khan, N. A. Rajput , H. Abbas, A. Jabbar, M. Walait and Z. Akash.	Evaluation of Entomopathogenic Nematode <i>Steinernema glaseri</i> an Effective Biological Entity Against Pink Bollworm and Armyworm in Laboratory	2018	International Journal of Biology and Biotechnology 15(2): 301-306.	
18	Maitlo S. A., Rehana N. Syed, Mohammad A. Khanzada, Abdul Q.	Host-Response of Chickpea Cultivars to <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> .	2014	Pakistan Journal of Phytopathology 26 (02): 193-199.	

	Rajput, Nasir A. Rajput , Abdul M. Lodhi.				
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20j. List of Conference Proceeding Papers/Abstracts etc.

S#	Authors	Title	Year	Publishing Details
1	Khan, N. A., S. A. Chand, M. Atiq, N. A. Rajput , M. Atif	Effect of Iron and Nitrogen Rich Additives on the Growth, Yield and Nutritional Composition of <i>P. pulmonarius</i> on Wheat Straw	2021	International Conference on Smart Plant Protection held on 27-28 January, 2021 organized by MNS-University of Agriculture, Multan Pakistan. Pp. 74
2	Chand, S. A., M. Atiq, N. A. Rajput , S. Ali.	Plant Protection products and their sustainable and appropriate uses	2021	International Conference on Smart Plant Protection held on 27-28 January, 2021 organized by MNS-University of Agriculture, Multan Pakistan. Pp. 94
3	Chand, S. A., M. Atiq, N. A. Rajput , W. Shafqat and M. Ahmad	Application of Advance and Innovation Techniques in Plant Protection	2021	International Conference on Smart Plant Protection held on 27-28 January, 2021 organized by MNS-University of Agriculture, Multan Pakistan. Pp. 145.
4	Rajput , N. A., M. Atiq, A. Hameed, S. Sarfraz, O. Iqbal, B. Khan and D. Dou	Overexpression of <i>PSCRN70</i> gene enhances diseases susceptibility to <i>Phytophthora parasitica</i> and confers salt and drought tolerance in tobacco	2019	2 nd international Agriculture, Environment and Health Congress being held on 18-19 October 2019 in Aydin, Turkey. Pp. 193.
5	Atiq, M., N. A. Rajput , M. Younas, S. Sarfraz, A. Hameed and B. Khan	Factorial analysis of soil and environment in relation to development of black scurf disease of Potato.	2019	2 nd international Agriculture, Environment and Health Congress being held on 18-19 October 2019 in Aydin, Turkey. Pp. 194
6	Ali, F., A. Hameed, A. Rehman, M. Atiq, N. A. Rajput , S. Sarfraz, and S. Z. H. Sherazi	Crispr / cas9 and its impact on plant science	2019	Humboldt Kolleg International Conference on Microbes for Sustainable Agriculture to be held F.C College University Lahore Pakistan 25-28 March 2019. Pp. 50
7	Rajput , N. A., M. Atiq, A. M. Lodhi, R. N. Syed, B. Khan, O. Iqbal, D. Dou	PsCRN70 Effector Enhances Susceptibility to <i>Phytophthora parasitica</i> and Confers Resistance to Salinity and Drought in <i>Nicotiana benthamiana</i> .	2018	International Congress on Agriculture and Animal Science to be held at Alanya, Turkey from

				November 7 to 9, 2018. Pp. 75
8	Hameed, A., K. Riaz, A. Rehman, N. A. Rajput , S. Sarfraz, M. W. Alam, G. M. Din, T. Ahsan, F. Ali, N. Liaqat	NAHL Degrading Bacterial Consortia from Potato Rhizosphere as Biocontrol Agents for Controlling Soft Rot of Potato	2018	International Agriculture, Environment and Health Congress to be held at Adnan Mandres University Aydın, Turkey 26-28 October 2018. Pp. 135
9	Sarfraz, S., S. T. Sahi, A. Rehman, N. A. Rajput , M. W. Alam, A. Hameed, K. Riaz.). Antagonistic Potential of <i>Bacillus</i> Spp. Associated with Potato Rhizosphere for Controlling Pectobacterium Based Infections in Potato	2018	International Agriculture, Environment and Health Congress to be held at Adnan Mandres University Aydın, Turkey 26-28 October 2018. Pp. 207-208
10	Hameed, A., M. Atiq, N. A. Rajput , K. Naveed, S. Sarfraz, F. A. Ali, F. A. Tahir, N. Liaqat, M. Haris, A. Saleem and K. Riaz	Biodiversity and Efficacy of Chickpea Rhizobia Strains Isolated from Thal Region of Pakistan	2018	Second National Conference on Emerging Trends in Bioinformatics and Biosciences to be held at Hazara University Manshera from August 09–11 2018. Pp. 73
11	Sarfraz, S., S. T. Sahi, M. Atiq, N. A. Rajput , A. Hameed, S. Adil, N. Liaqat, and K. Riaz	Antagonistic Potential of <i>Bacillus</i> spp. Association with Potato Rhizosphere for Controlling Pectobacterium based Infections	2018	Second National Conference on Emerging Trends in Bioinformatics and Biosciences to be held at Hazara University Manshera from August 09–11 2018. Pp. 13
12	Rajput, N. A. , Sanaullah, M. Atiq, A. Rehman, A. M. Lodhi, R. N. Syed, A. Hameed, B. Khan and M. S. Baloch	Antifungal Activity of Medicinal Plant Extracts Against Tomato Damping-Off Disease Caused by <i>Rhizoctonia solani</i> .	2018	Antifungal Activity of Medicinal Plant Extracts Against Tomato Damping-Off Disease Caused by <i>Rhizoctonia solani</i> .
13	Lodhi, A. M., R. N. Syed, N. Gul, A. Q. Rajput, M. A. Khanzada, K. I. Rajput, A. M. Khanzada, G. S. Shah and N. A. Rajput	New Emerging Diseases of Banana in Sindh-Panama Wilt and Cigar End Rot	2018	International Conference on “Biological Control of Pests & Diseases: Progress & Prospects” to be held at Arts & Social Sciences Auditorium, University of Karachi. July 9-11, 2018. Pp. 58-59
14	Iqbal, O., R. N. Syed, A. M. Lodhi, N. A. Rajput , A. M. Khanzada and G. S. Shah	Fungal Pathogens Associated with Chilli Wilt Disease	2018	International Conference on “Biological Control of Pests & Diseases: Progress & Prospects” to be held at Arts & Social Sciences Auditorium, University of Karachi. July 9-11, 2018. Pp. 59-60

15	Atiq, M., N. A. Rajput , A. Hameed, M. Younas, Y. Ali, W. Ahmed, H. Aslam and M. Ashfaq	Biochemical Profiling of Resistance in Citrus Germplasm against Citrus Canker	2018	International Conference on “Biological Control of Pests & Diseases: Progress & Prospects” to be held at Arts & Social Sciences Auditorium, University of Karachi. July 9-11, 2018. Pp. 61
16	Atiq, M., N. A. Rajput , A. Hameed, M. Younas, Y. Ali, W. Ahmed, H. Aslam and M. Ashfaq	Biochemical Profiling of Resistance in Citrus Germplasm against Citrus Canker	2018	4th Edition of International Conference on Plant Genomics to be held on June 20-21, 2018 in Rome, Italy organized by EuroSciCon Ltd. J Plant Physiol Pathol. 6: Pp. 53
17	Atiq, M., N. A. Rajput , N. Javed, Y. H. Ye, Z. Zhao, R. N. Syed, A. M. Lodhi, B. Khan, O. Iqbal and D. Dou	Antimicrobial Effect of Chinese Medicinal Plant Crude Extracts against <i>Rhizoctonia solani</i> and <i>Pythium aphanidermatum</i>	2018	4th Edition of International Conference on Plant Genomics to be held on June 20-21, 2018 in Rome, Italy organized by EuroSciCon Ltd. J Plant Physiol Pathol. 6: Pp. 54
18	Atiq, M., S. Asad, N. A Rajput , R. Bashir, J. Shafi, A. A. Bukhari, N. Liaqat and S. Ali.	Impact of different plant extracts against charcoal rot disease and yield attributes of Mung Bean	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-Campus Layyah. March 26-28, 2018. Pp.136
19	Atiq, M., A. Rehman, N. A Rajput , R. Bashir, M. Asif, K. Naveed, A. Sultan and A. Haider	Management of common scab of potato through nutrition	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-Campus Layyah. March 26-28, 2018. Pp. 137.
20	Atiq, M., A. Subhani, M. Asif, N. A Rajput , A. Sultan, A. Haider and M. K. Naveed	Effective Management strategy adopted Alternaria blight of brassica in Faisalabad-Pakistan	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-

				Campus Layyah. March 26-28, 2018. Pp. 138
21	Asif, M., M. Atiq, N. A Rajput , A. Subhani, A. sultan, A. Haider and M. K. Naveed	Asif, M., M. Atiq, N. A Rajput , A. Subhani, A. sultan, A. Haider and M. K. Naveed	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-Campus Layyah. March 26-28, 2018. Pp. 139
22	Asif, M., M. Atiq, N. A Rajput , A. Subhani, A. sultan, A. Haider and M. K. Naveed	Impact of proteins on Physiology of Rice after the infection of <i>Magnaporthe grisea</i> .	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-Campus Layyah. March 26-28, 2018. Pp. 140
23	Rizwan, M. B., M. Atiq, M. Sajid, N. A. Rajput , M. Yasin, A. Hameed and M. Ali	Predictive Model for the development of Fusarium wilt of chilli based upon soil and environmental factors	2018	1 st international and 2 nd national conference on “Challenges and opportunities to boost agriculture in changing climate” organized by College of Agriculture BZU, Bahadur Sub-Campus Layyah. March 26-28, 2018. Pp. 185

24	Rajput, N. A., M. Atiq, N. Javed, R. N. Syed, A. M. Lodhi, B. Khan and O. Iqbal	Anti-Oomycete Response Through Magnolol and Honokiol Against <i>Phytophthora Capsici</i> in Chilli Pepper	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 328
25	Kachelo, G. A., N. A. Rajput, N. A. Khan, M. Atiq, N. Javed, B. Khan, N. Muhammad and M. S. Mushtaq	<i>Biocontrol</i> of Leaf Spot Disease of Spinach Caused by <i>Alternaria Alternata</i> Through Medicinal Plants	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 330
26	Mushtaq, M. S., N. A. Rajput, M. Atiq, A. M. Lodhi, R. N. Syed, B. Khan, N. Muhammad and G. A. Kachelo	Effect of Different Plant Activators Against <i>Phytophthora infestans</i> Causing Late Blight Disease of Potato	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 332
27	Rajput, N. A., M. Atiq, A. M. Lodhi, R. N. Syed, B. Khan, and O. Iqbal	Rajput, N. A., M. Atiq, A. M. Lodhi, R. N. Syed, B. Khan, and O. Iqbal	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 333
28	Muhammad, N., N. A. Rajput, M. Atiq, N. Javed, R. N. Syed, K. Naveed, B.	Soil and Environmental Factors Effecting Fusarium Wilt of Chilli Caused by <i>Fusarium Oxysporum</i> f. <i>sp capsici</i>	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources:

	Khan, G. A. Kachelo AND M. S. Mushtaq			Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 340.
29	Hameed, A., K. Riaz, M. Atiq, N. A. Rajput , S. Sarfraz, N. Liaqat and M. W. Alam	Occurrence of <i>Ralstonia</i> Based Wilts of Chilli in Vegetable Growing Areas of Punjab, Pakistan	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 342
30	Atiq, M., S. Latif, N. A. Rajput , S. T. Sahi, J. Shafi, S. Ali, M. Younas and M. Shafiq	Biochemical Activation of Defense Response in Tomato Against <i>Fusarium</i> Wilt Through Plant Inducers	2018	7 th International and 16 th National Conference of Pakistan Botanical Society on “Plant Resources: Current Trends, Challenges and Solutions” to be held at Islamia College Peshawar and University of Peshawar from March 23 to 27, 2018. Pp. 343
31	Rajput, N. A. , M. Atiq N. Javed, R. M. Atif, A. M. Lodhi, R. N. Syed, B. Khan and D. Dou	Overexpression of PsCRN70 effector enhances salt and drought stresses in <i>Nicotiana benthamiana</i>	2017	6 th International Conference of Pakistan Phytopathological Society on ‘Plant Health for Sustainable Agriculture’ to be held at Bahauddin Zakariya University, Multan Pakistan, from 20 th -22 th November, 2017. Pp. 32-33
32	Atiq, M., T. M. Ahmad, N. A. Rajput , S. Arooj, B. Khan and N. Javed	Evaluation of Different Plant Extracts for Management of Purple Leaf Blotch of Garlic Caused by <i>Alternaria Porri</i>	2017	1 st International Conference on “Plants: Their Chemical and Biological Applications for Today and Tomorrow” organized by University of Gujrat, Pakistan. (April 12-14, 2017). Pp. 49
33	Rajput, N. A. , M. Atiq, N. Javed, Y. H. Ye, Z. Zhao, R. N. Syed, A. M. Lodhi, B. Khan, O. Iqbal and D. Dou.	Suppression of the Anti-Oomycete Response by Magnolol and Honokiol against <i>Phytophthora sojae</i> in Soybean Leaves	2017	1 st International Conference on “Plants: Their Chemical and Biological Applications for Today and Tomorrow” organized by University of Gujrat, Pakistan. (April 12-14, 2017). Pp. 49-50.

34	Ahmed, B., B. Khan, M. U. Ghazanfar, N. A. Rajput , M. Atiq, A. Jabbar and M. Walait	Evaluation of Seed-Born mycoflora of Some Vegetables Grown in Different District of Punjab	2017	1st International Conference on “Plants: Their Chemical and Biological Applications for Today and Tomorrow” organized by University of Gujrat, Pakistan. (April 12-14, 2017). Pp. 52.
35	Atiq, M., N. A. Rajput , N. Javed, S. T. Sahi, R. Anjum and S. Ali.	Management of Leaf Rust of Wheat Through Different Levels of NPK and Sowing Times	2017	1st International Conference on “Plants: Their Chemical and Biological Applications for Today and Tomorrow” organized by University of Gujrat, Pakistan. (April 12-14, 2017). Pp. 53.
36	Jabbar, A., N. Javed, S. A. Khan, A. Iqbal, N. A. Rajput , A. Parveen and B. Khan.	Evaluation of sugarcane resistance germplasm against <i>Colletotrichum falcatum</i> causal agent of red rot of sugarcane	2017	6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University. (9-11th May 2017). Pp. 177.
37	Khan, B., N. Javed, S. A. Khan, N. A. Rajput , H. Abbas, A. Jabbar, A. Parveen and Z. Akash.	<i>In vitro</i> virulence of the entomopathogenic Nematode (<i>Steinernema Glaseri</i>) against Pink Bollworm and Armyworm Larvae.	2017	. 6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 177
38	Khan, B., M. Walait, N. Javed, N. A. Rajput , A. Jabbar and B. Ahmed	Potential of different chemicals against <i>Fusarium oxysporum</i> f. sp. <i>capsici</i> associated with wilt disease of chilli.	2017	6 th International and 15 th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11 th May 2017). Pp. 178.
39	Zaman, B., N. A. Rajput , M. Atiq, N. Javed, M. Azam, R. N. Syed, B. Khan and Hussainullah	First report of the Anthracnose of grapevine disease in Pakistan and Afghanistan.	2017	6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food

				Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 178.
40	Rajput, N. A. , M. Atiq, A. Q. Rajput, A. M. Lodhi, R. N. Syed, M. A. Khanzada , O. Iqbal and B. Khan.	Prevalence of <i>Phytophthora capsici</i> in different vegetables of Sindh Pakistan.	2017	6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 179
41	Hussainullah, N. A. Rajput , M. Atiq, N. Javed, M. Azam, A. M. Lodhi, B. Khan and B. Zaman	Newly emerging disease in Pakistan and Afghanistan: leaf spot of grape	2017	6 th International and 15 th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11 th May 2017). Pp. 179
42	Sanaullah, N. A. Rajput , M. Atiq, N. Javed, A. M. Lodhi, L. Amrao, B. Khan and M. S. Baloch.	<i>Biocontrol of Rhizoctonia solani</i> damping-off disease in tomato with medicinal plants.	2017	6 th International and 15 th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11 th May 2017). Pp. 180
43	Baloch, M. S., N. A. Rajput , M. Atiq, N. Javed, R. N. Syed, K. Naveed, B. Khan and Sanaullah.	Effect of different plant activators against <i>Rhizoctonia solani</i> causing root rot of chilli	2017	6 th International and 15 th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11 th May 2017). Pp. 180

44	Akash, Z., N. Javed, S. A. Khan, N. A. Rajput , A. Aziz, A. Parveen and B. Khan.	Screening of chilli cultivars for their resistance against root knot nematode (<i>Meloidogyne incognita</i>).	2017	6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 181.
45	Lodhi, A. M., N. Gul, R. N. Syed, N. A. Rajput , A. Q. Rajput, M. A. Khanzada, A. M. Khanzada and G. S. Shah	Pathogenicity and <i>In vitro</i> Chemical Control on Cigar End Rot of Banana.	2017	6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 186.
46	Syed, R. N., M. Ather, I. Hussain, A. M. Lodhi, M. A. Khanzada and N. A. Rajput .	Crown Rot of Banana: Associated Mycoflora and its Sustainable Management with the Use of Essential Oils.	2017	. 6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 186.
47	Maitlo, S. A, N. A. Rajput , R. N. Syed, M. A. Khanzada, A. Q. Rajput and A. M. Lodhi	Microbial control of Fusarium wilts of chickpea caused by <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i> .	2017	. 6th International and 15th National Conference on “Dynamic Trends in Plant Sciences-Fostering Environment and Food Security” organized by Pakistan Botanical Society at Sardar Bahadur Khan Women’s University, Quetta Pakistan. (9-11th May 2017). Pp. 187
48	Rajput N. A. , M. Atiq, N. Javed, K. Naveed, G. Y. Dahar, A. I. Rajput, Y. H. Ye and D. Dou.	Antioomycete activities of <i>Magnolia</i> -derived compounds against <i>Phytophthora capsici</i>	2016	. 1st International Conference on Advancements in Biotechnology (March 30-31, 2016) organized by GCWUF. Pp. 48-49
49	Rajput N. A. , N. Javed, M. Atiq, M. R. Atif, K. Naveed, T. Liu and D. Dou.	A cytoplasmic effector of <i>Phytophthora sojae</i> induced disease resistance in <i>Nicotiana benthamiana</i> .	2016	1st International Conference on Advancements in Biotechnology (March 30-31, 2016) organized by GCWUF. Pp. 85-86

50	Atiq M., T. M. Ahmad, N. A. Rajput , H. Abbas and I. Kanwal	Evaluation of different plant extract for management of purple leaf blotch of garlic caused by <i>Alternaria porri</i> .	2016	1st International Conference on Advancements in Biotechnology (March 30-31, 2016) organized by GCWUF. Pp. 80-81
51	Atiq M., S. Arooj, N. A. Rajput , S. T. Sahi and A. Mushtaq.	Impact of systemic acquired resistance (SAR) on bacterial blight of cotton and yield of cotton	2016	1st International Conference on Advancements in Biotechnology (March 30-31, 2016) organized by GCWUF. Pp. 81.
52	Rajput N. A. , M. X. Zhang, T. Liu, A. M. Lodhi, A. Safder and D. Dou	<i>Phytophthora</i> cytoplasmic effector protein confers tolerance to drought and salt stress in <i>Nicotiana benthamiana</i>	2016	International Conference on “Major Environmental Constraints to Plants: Assessment & Reclamations” (March 28-30, 2016) organized by GCUF. Pp. 78.
53	Shahid A., M. Atiq, S. T. Sahi, N. Javed and N. A. Rajput	Management of Fusarium wilt (<i>Fusarium oxysporum</i>) through chemical.	2016	International Conference on “Major Environmental Constraints to Plants: Assessment & Reclamations” (March 28-30, 2016) organized by GCUF. Pp. 73.
54	Atiq M., S. Latif, A. Khan, N. A. Rajput , A. Latif and Iqra	Biochemical basis of defense response in plant against Fusarium wilt through plant inducers.	2016	International Conference on “Major Environmental Constraints to Plants: Assessment & Reclamations” (March 28-30, 2016) organized by GCUF. Pp. 70.
55	Dahar G. Y, M. A. Abro, M. I. Bozdar, N. A. Rajput , A. A. Rajper, S. Hussain, L. Kumar and G. B. Poussio.	Physiological Studies of <i>Ceratocystis Fimbriata</i> , The Causal Agent of Mango Sudden Death	2016	International Conference on “Major Environmental Constraints to Plants: Assessment & Reclamations” (March 28-30, 2016) organized by GCUF. Pp. 10.
56	Rajput, N.A. , M. Zhang, T. Liu, A. M. Lodhi, A. Safder and D. Dou	<i>Phytophthora sojae</i> effector PsCRN161 enhanced disease resistance in <i>Nicotiana benthamiana</i>	2016	14th National & 5th International Conference of Botany organized by Pakistan Botanical Society at University of Karachi. (January 15-18, 2016). Pp. 67
57	Maitlo, S. A, A. Q. Rajput, N. A. Rajput , R. N. Syed, M. A. Khanzada, and A. M. Lodhi	Influence of physiological factor on vegetative growth and sporulation of <i>Fusarium oxysporum</i> f. sp. <i>ciceris</i>	2016	14th National & 5th International Conference of Botany organized by Pakistan Botanical Society at University of Karachi. (January 15-18, 2016). Pp. 66.

58	Syed, R. N., A.M. Lodhi, N.A. Rajput , A. I. Rajput and M. A. Khanzada	Prevalence of Postharvest Rots and Pathogens in Different Mango Farms of Sindh, Pakistan.	2016	14th National & 5th International Conference of Botany organized by Pakistan Botanical Society at University of Karachi. (January 15-18, 2016). Pp. 65
59	Rajput, N. A. , Y. Xiao, M. A. Abro, R. N. Syed, Y. H. Ye, and D. Dou	Antifungal screening of medicinal plant crude extracts against phytopathogenic fungi	2015	5th International 10th National Conference of Pakistan Phytopathological Society (November 23-25, 2015) University of the Punjab, Lahore, Pakistan. Pp. 144.
60	Syed, R. N., A.M. Lodhi, N.A. Rajput , N. Mansha, M. Bhatti and M. A. Khanzada	Disease evaluation of commercial supply chains/orchards of Sindh mango growers & exporters.	2015	. 5th International 10th National Conference of Pakistan Phytopathological Society (November 23-25, 2015) University of the Punjab, Lahore, Pakistan. Pp. 27.
61	Lodhi, A.M., R. N. Syed, A. Viljoen, K. I. Rajput, R. R. Arain, M. A. Khanzada, N.A. Rajput , G. S. Shah and A. Q. Rajput.	Newly emerging diseases of banana in Pakistan: Panama wilt and cigar end rot.	2015	5 th International 10 th National Conference of Pakistan Phytopathological Society (November 23-25, 2015) University of the Punjab, Lahore, Pakistan. Pp. 21.

21. List of Seminars/Conferences attended

S#	Organizers	Conference Title/Theme	Year	Presentation (oral/poster)	Other Details
1	Horticultural Sciences, University of Agriculture, Faisalabad.	Citrus Exhibition Institute	13-14 December 2021	Attended	Seminar
2	7th International Conference of Pakistan Phytopathological Society at University of Agriculture, Faisalabad	<i>"Phytopathology: Current Scenario & Future Prospects"</i>	November 21-23, 2021	Attended	7th International Conference

3	Department of Plant Pathology, IUB	<i>Xanthomonas perforans: A Pathogen that is Constantly Changing</i>	05 October 2021	Attended	Online seminar
4	Department of Plant Pathology, UAF	<i>Mentoring: How does it Connects to Research Ethics</i>	07 September 2021	Attended	Online seminar
5	Department of Plant Pathology, University of California Davis, USA organized by Islamia University of Bahawalpur & Pakistan Phytopathological Society	Host Pathogen Interactions by Prof. Dr. Gitta Coaker	15-07-2021	Attended	Online International Seminar
6	Islamia University of Bahawalpur & Pakistan Phytopathological Society	Stealth Pathogens: The Sooty Blotch and Flyspeck Fungal Complex	20-04-2021	Attended	International Webinar
7	COMSTECH, International Center for Chemical and Biological Science (ICCBS), and Pakistan Biotechnology Information Center (PBIC), Karachi	Basic Plant Tissue Culture Technology	16-17 February 2021	Attended	Online Certificate Course
8	MNS-University of Agriculture, Multan Pakistan	Smart Plant Protection held on	27-28 January, 2021	Attended	International Conference
9	Bayer Crop Science with collaboration UAF	Appreciate and Advance together	8 th September 2020	Attended	1 st Virtual Safe Use Ambassador Conference
10	Department of Agriculture, Mandsaur University, Madhya Pradesh, India	Microbiology and Agriculture	16-17 August 2020	Attended	National Online Quiz
11	Promega Biotech pvt. India	Battle against novel coronavirus	05 August 2020.	Attended	Online

12	Horticulture Research China	7 th International Horticulture Research Conference	1 st -30 th July 2020	Attended	Online
13	Bioingene Plant Science Research	Journey from Bio-fortification in food crops to including nutritional traits in varietal identification and release in Pearl millet	9 July 2020.	Attended	Online
14	Bioingene Plant Science Research	Development of genetic and genomic resources in foxtail millet: Progress and prospects, Organized by	08 July 2020	Attended	Online
15	Bioingene Plant Science Research	Development of climate change resilient rice varieties through molecular breeding.	6 July 2020	Attended	Online
16	Adnan Mandres University, Ataturk Kultur Merkezi Aydın, Turkey	2 nd international Agriculture, Environment and Health Congress	18-19 October 2019	Oral	2 nd international
17	F.C College University Lahore Pakistan	Microbes for Sustainable Agriculture	25-28 March 2019	Attended	Humboldt Kolleg International Conference
18	Adnan Mandres University, Ataturk Kultur Merkezi Aydın, Turkey	International Agriculture, Environment and Health Congress	26-28 October 2018	Attended	1 st international
19	Department of Agronomy and Department of Plant Breeding & Genetics, University of Agriculture, Faisalabad	Soybean: Challenges and Opportunity	September 17-18, 2018	Attended	International Conference
20	Hazara University Manshera	Emerging Trends in Bioinformatics and Biosciences	August 09–11 2018	Attended	Second National Conference
21	Arts & Social Sciences Auditorium, University of Karachi.	Biological Control of Pests & Diseases: Progress & Prospects	July 9-11, 2018	Attended	International Conference

22	College of Agriculture BZU, Bahadur Sub-Campus Layyah	Challenges and opportunities to boost agriculture in changing climate	March 26-28, 2018.	Attended	1 st international and 2 nd national conference
23	Pakistan Botanical Society Islamia College Peshawar and University of Peshawar	Plant Resources: Current Trends, Challenges and Solutions	March 23 to 27, 2018	Attended	7 th International and 16 th National Conference
24	Pakistan Phytopathological Society Bahauddin Zakariya University, Multan Pakistan,	Plant Health for Sustainable Agriculture	20 th -22 th November 2017	Attended	6 th International Conference
25	Pakistan Botanical Society at Sardar Bahadur Khan Women's University, Quetta Pakistan	Dynamic Trends in Plant Sciences-Fostering Environment and Food Security	9-11 th May 2017	Attended	6 th International & 15 th National Conference
26	Government College Women University Faisalabad	Advancements in	March 30-30, 2016	Attended	1 st International Conference
27	Department of Botany Government College University Faisalabad	Major Environmental Constraints to Plants: Assessment & Reclamations	March 28-30, 2016	Attended	International Conference
28	Institute of Horticultural Sciences University of Agriculture Faisalabad.	Horticultural Sciences "Production Challenges & Food Security"	February 18-20, 2016	Attended	2 nd International Conference

29	Pakistan Botanical Society at University of Karachi.	Climate Change and Phytodiversity: Challenges and Opportunities	January 15-18, 2016	Attended	14th National & 5th International Conference
30	Pakistan Phytopathological Society, University of the Punjab, Lahore, Pakistan.	Crop Protection for Sustainable Agriculture	November 23-25, 2015)	Attended	5 th International 10 th National Conference

22. List of Seminars/Conferences/Trainings arranged

S#	Organizers	Role	Year	Other Details
1	7th International Conference of Pakistan Phytopathological Society	Finance/ Procurement Committee	November 21-23, 2021	Certificate of Appreciation for remarkable contribution as an organizer held at University of Agriculture, Faisalabad on
2				
3				

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	Zunaira Akash	2022	Plant Pathology	Prediction of Fusarium wilt of Chilli and its integrated management	1. Dr. Nasir Ahmed 2. Dr. Muhammad Atiq 3. Prof. Aman Ullah Malik
2	Muhammad Usman Ali	Continue	Plant Pathology	Characterization of fungal pathogens associated with root rot of chilli and its management	1. Dr. Nasir Ahmed 2. Dr. Muhammad Atiq 3. Dr. Rana Muhammad Atif
3	Hadeed Ahmad	Continue	Plant Pathology	Molecular characterization of Phytophthora spp causing citrus gummosis and its management	1. Dr. Nasir Ahmed 2. Dr. Muhammad Atiq 3. Dr. Muhammad Ahsan Khan
4	Amara Ashraf	Continue	Plant Pathology	Prevalence and management of whip smut of sugarcane caused by <i>Sporisorium scitamineum</i>	1. Dr. Nasir Ahmed 2. Dr. Muhammad Atiq

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

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1	Sahar Jameel	2022	Plant Pathology	Molecular characterization of pathogens causing grey mold in strawberry and its management	1. Dr. Abdul Rahman Nasir Ahmed 2. Dr. Muhammad Atiq 3. Prof. Aman Ullah Malik
2	Muhammad Usman	Continue	Plant Pathology	Activation of defense system of chilli through plant defense activators, nanoparticles, new chemistry fungicides, nutritional and organic amendments against fusarium wilt caused by <i>Fusarium oxysporum</i> f.sp. <i>capsici</i>	1. Dr. Muhammad Atiq 2. Dr. Nasir Ahmed 3. Dr. Muhammad Sagheer
3	Ghalib	Continue	Plant Pathology	Resistance enhancement in chilli through phenolic antioxidants, chemicals and antibiotics	1. Prof. Shahbaz Talib Sahi 2. Dr. Nasir Ahmed 3. Dr. Muhammad Ahsan Khan
4	Umera Ramzan	Continue	Plant Pathology	Molecular characterization and pathobiology of <i>Sclerotinia</i> spp. causing emerging white mold disease in tomatoes and its management	1. Dr. Abdul Rehman 2. Dr. Nasir Ahmed 3. Dr. Imran Khan
5	Safina Ihtikhar	Continue	Plant Pathology	Emerging white mold/stem rot disease in canola (<i>Brassica napus</i>), its symptomology, etiology and management	1. Dr. Abdur Rehman 2. Dr. Nasir Ahmad 3. Dr. Muhammad Hamid Bashir
6	Adeel Sultan	Continue	Plant Pathology	exploitation of antibacterial potential of nanoparticles, plants activators, nutrients and chemicals towards bacterial blight of pomegranate	1. Dr. Muhammad Atiq 2. Dr. Nasir Ahmad 3. Dr. Muhammad Hamid Bashir
7	Shiza Muqadas	Continue	Plant Pathology	Prolonging the shelf-life of fig (<i>Ficus carica</i> L.) through postharvest application of edible coatings and polyamines	1. Dr. Muhammad Azam 2. Prof. Dr. Saeed Ahmad 3. Dr. Nasir Ahmed

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

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1	Muhammad Shakir Baloch		Plant Pathology	Management of root rot of chilli caused by <i>Rhizoctonia solani</i> through resistant cultivars and systemic acquired resistant	
2	Hussainullah		Plant Pathology	Isolation, identification and pathogenicity of leaf spot disease of grape and their control	
3	Bakhat Zaman		Plant Pathology	Isolation, identification and pathogenicity of Anthracnose of Grapevine and its Possible Management	

4	Muhammad Saqib Mushtaq		Plant Pathology	Activation of potato plant defence against late blight disease through plant activators	
5	Noor Muhammad		Plant Pathology	Integrated Management of Fusarium Wilt of Chilli caused by <i>Fusarium oxysporum</i> f. sp. <i>capsici</i> in relation to Soil and Environmental Factors	
6	Muhammad Usman Naz		Plant Pathology	The Induction of Resistance in Chickpea Plant against Fusarium wilt Disease through Chemicals and Bio-inoculants	
7	Muhammad Ali		Plant Pathology	Management of Alternaria blight of Brassica in relation to Epidemiological factors	
8	Asad Mehmood		Plant Pathology	Chemotherapeutic Management of <i>Macrophomina phaseolina</i> causing Charcoal Root Rot in Sesame (<i>Sesamum indicum</i> L.)	
9	Qaisar Nawaz		Plant Pathology	Identification and management of seedling rot disease of carrot (<i>Daucus carota</i>) caused by <i>Rhizoctonia solani</i>	
10	Maleeha Malik		Plant Pathology	Chemical control of root rot disease of sesame (<i>Sesamum indicum</i> L.) caused by <i>Pythium aphanidermatum</i>	
11	Hamza Ali Khan		Plant Pathology	Epidemiology and Management of Powdery Mildew of Cucumber Caused by <i>Podosphaera xanthii</i>	
12	Muhammad Abubakar		Plant Pathology	Epidemiology and Management of Cucumber Caused by <i>Psuedoperonospora cubensis</i>	
13	Muhammad Bilal		Plant Pathology	Antifungal Potential of Medicinal Plants against Early Blight of Potato	
14	Muhammad Shahid Siddique		Plant Pathology	Management of Late Blight Through Genetic Potential of Tomato Germplasm and Chemicals	
15	Aymen Majeed		Plant Pathology	Chemotherapeutic Management of <i>Rhizoctonia solani</i> Causing Root rot Disease of Tomato	
16	Liaqat Ali		Plant Pathology	Prevalence of <i>Phytophthora gummosis</i> in Major Citrus Growing Areas of Sargodha in relation to Environmental Factors and its Management through Phytoextracts	
17	Hamza Tariq		Plant Pathology	Relationship of Soil and Environmental Factors with the Development of <i>Phytophthora gummosis</i> and its Chemotherapeutic Management	
18	Umar Rafique		Plant Pathology	<i>In-vivo</i> evaluation of new chemistry fungicide against <i>Fusarium solani</i> causing Root rot of Papaya	
19	Aina Israr		Plant Pathology	Assessment of Phyto-extract and chemicals against Fusarium wilt of cucumber	
20	Sadi Ahmad sultan		Plant Pathology	Assessment of phytoextract and chemicals against fruit rot of papaya caused by <i>Alternaria alternata</i>	
21	Amara Ashraf		Plant Pathology	Isolation and identification of <i>Phoma herbarum</i> on <i>cycas revoluta</i> and its management	
22	Muhammad Bilal Khalid		Plant Pathology	Appraisal of phytoextract and fungicide against fruit rot of grapes cause by <i>Alternaria alternata</i>	
23	Iram Shafiq		Plant Pathology	Response of chili varieties against Damping off caused by <i>Pythium</i> spp and its management.	
24	Bisma Ejaz		Plant Pathology	Characterization of environmental factors conducive for the development of near wilt of pea and its management through chemicals and phytoextracts	

25	Hadeed Ahmad		Plant Pathology	Detection of Citrus Gumosis caused by <i>Phytophthora nicotiana</i> by Loop mediated isothermal amplification and its management.	
26	Muhammad Zoaib Nasir		Plant Pathology	Epidemiology and Chemotherapeutic management of Powdery Mildew of Ridged Gourd under Natural Field Conditions	

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

S. #	Name of Student	Year	Deptt.	Title	Supervisory Committee
1	Muhammad Ghani		Plant Pathology	Relationship between <i>Fusarium</i> and <i>Meloidogyne incognita</i> and their management through biochar products in tomato	
2	Izhar Ahmed		Plant Pathology	Screening and Integrated Management of root not nematode (<i>Meloidogyne incognita</i>) on eggplant	
3	Umera Ramzan		Plant Pathology	Management of Leaf spot of Aloe vera caused by <i>Alternaria alternata</i> through chemical and essential oils	
4	Faizan Asif		Plant Pathology	Comparison of antagonists and plant products against damping-off disease (<i>Rhizoctonia solani</i>) in cucumber (<i>Cucumis sativus</i>)	
5	Ghalib		Plant Pathology	Management of Leaf spot disease of spinach caused by <i>Alternaria alternata</i>	
6	Nouman Nazir		Plant Pathology	Molecular Characterization of <i>Fusarium</i> Spp. associated with wilt of <i>Gladiolus</i> and their in vitro management	
7	Safina Iftekhhar		Plant Pathology	Antifungal potential of biocontrol agents against root rot of Chilli and its management	
8	Adeel Sultan		Plant Pathology	Biochemical Markers for Identification of Citrus Greening and its Management	
9	Muhammad Shahzad		Plant Pathology	Induction of resistance against <i>Alternaria</i> brown spot of citrus through Plant activators and chemicals	
10	Ahsan Haider		Plant Pathology	Mycoflora associated with soybean seed their identification and management	
11	Muhammad Gulzaib		Plant Pathology	Control of <i>Alternaria</i> leaf spot in <i>Brassica rapa</i> through induced resistance	
12	Hira Yaseen		Plant Pathology	Management of brown leaf spot of potato in relation to epidemiology factors	
13	Naveed Aslam		Plant Pathology	Stimulation of citrus defense system against citrus canker through resistance inducers and phyto-extracts	
14	Rimsha Noor		Plant Pathology	Evaluation and divergence of the symbiosis receptor kinase (SYMRK) genes in crop plants	
15	Muhammad Ammar		Plant Pathology	Appraisal of fungicides and Phyto-extracts against <i>Myrothecium</i> leaf spot of bitter gourd	
16	Ahmad Sahab		Plant Pathology	Evaluation and Mass Production of <i>Alternaria alternata</i> isolate as a potential biocontrol agent against Dumbi sitti (<i>Phalaris Minor L.</i>) and Lehli (<i>Convolvulus arvensis</i>)	
17	Fariz Tafheem		Plant Pathology	Comparative studies of certain plant extracts and fungicides for the management of <i>Alternaria</i> leaf spot of rapeseed	

18	Iqra Kanwal		Plant Pathology	Application of autochthonous fungi using as a selective bioherbicide for the control of weeds	
19	Muhammad Fiaz		Plant Pathology	Characterization of indigenous Kabuli chickpea accessions under limited moisture	
20	Nasrin Shafi		Plant Pathology	Alterations in biochemical compound in leaves of potato due to PLRV	
21	Tanzeela Kiran		Plant Pathology	Potential control of Postharvest Crown rot of Banana fruit caused by <i>Colletotrichum musae</i>	

24. Research Projects

24a. Research Projects completed

S. #	Title of the research project	Position	Duration (From-To)	Amount (Million Rs)	Donor
1	Rapid Diagnosis of Gummosis of Citrus Caused by <i>Phytophthora</i> spp. Using A Loop-Mediated Isothermal Amplification Assay and Its Management	PI	36 months	Million Rs. 2.294	NRPU-HEC
2	Uplifting monetary conditions of chilli growers by creating awareness about disease problems and their management	PI	36 months	Million Rs. 1.476	EFS-UAF
3	Preliminary studies of vegetable diseases caused by <i>Phytophthora capsici</i> in Sindh	PI	9 Months	Million Rs. 0.2	HEC
4	Biochemical Profiling of Citrus and its Rhizosphere for Management of Canker Disease	Co-PI	36 months	Million Rs. 4.22	NRPU-HEC
5	Management of Fusarium Wilt of Chilli Through Phenolic Antioxidants and Soil Minerals	Co-PI	36 months	Million Rs. 4.85	NRPU-HEC
6	On-Farm Management of Foliar and Tuber Diseases of Potato	Co-PI	12 months	Million Rs. 1.5	UAF-M/S Ch. Iqbal Agri. Farm
7	Strengthening vegetable value chains in Pakistan (SVVCP) for greater community livelihood benefits	Team member	36 months	Million Rs. 27.84	ACIAR CABI

8	Establishment of low-cost Fungal Culture Bank	Team member	36 months	Million Rs. 16.7	UAF
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24b. Research Projects Ongoing

S. #	Title of the research project	Position	Duration (From-To)	Amount (Million Rs)	Donor
1.	Prevalence and Integrated management strategies for whip smut of sugarcane caused by <i>Sporisorium scitamineum</i>	PI	36 months	Million Rs. 10.51	SRDB
2.	Management of Red Rot Disease of Sugarcane through Plant Defense Activators, Nano-Particles and Soil Amendments	Co-PI	36 months	Million Rs. 10.36	SRDB
3.	Development of Biopesticide for the Management of Black Leg of Potato in Pakistan	Co-PI	36 months	Million Rs. 1.37	EFS-UAF

24c. Research Projects in pipeline

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

25. Awards/Distinctions

S. #	Name of Award/Distinction	Year	Details
1.	One Year Post-Doctoral Research as Foreign Expert	2016-2017	Awarded in Agricultural Environment and Resources Institute, Yunnan Academy of Agriculture Sciences, China by Talented Young Scientist Program supports by Ministry of Science and Technology of China (MOST)
2.	Excellent International Student award for outstanding performance	2014	Awarded Nanjing Agricultural University, China
	Excellent International Student award for outstanding performance	2012	Awarded by Nanjing Agricultural University, China.
	Excellent International Student award for outstanding performance	2011	Awarded by Nanjing Agricultural University, China.
3.	Teaching award from Aao Parhao Campaign	2014	Organized by Express Media Group at Sindh Agriculture University, Tandojam

26.

Academic/Professional collaboration

S#	Collaborating agencies	Nature of Collaboration
National		
1.		
2.		
3.		
International		
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.				
2.				
3.				