CURRICULUM VITAE 2026



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Date of Birth: 05-10-1980 Professional
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PROFESSIONAL PROFILE

I am currently working as Professor of Plant Pathology, with 14 years of post-Ph.D. experience in teaching and research. Published 66 research articles in peer-reviewed International and National Journals and 7 book Chapters. Supervised 05 Ph.D. and 30 M.Phil. Students. (Currently 2 Ph.D. and 3 M.Phil. Students are under supervision.

EDUCATION

Oct-2011	Ph.D in Plant Pathology. Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan.
May 2006	M.Sc (Hons.) in Plant Pathology. Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan. 1st Div.
Sep-2004	B.Sc (Hons.) Agriculture, Major Plant Pathology. Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan. 1st Div.
1999	F.Sc. (Pre-medical) BISE, Multan, Pakistan. 1st Div.
1996	Matriculation. BISE, Multan, Pakistan. 1st Div.

PROFESSIONAL EXPERIENCE

Jan-2026-Present	Chairman, Department of Plant Pathology, BZU, Multan.
Aug-2024-Present	Professor in The Department of Plant Pathology, Faculty of Agricultural Sciences & Technology, BZU, Multan.
Aug-2020-Oct-2025	Associate Professor in The Department of Plant Pathology, Faculty of Agricultural Sciences & Technology, BZU, Multan.
Mar-2012-Aug-2020	Assistant Professor in The Department of Plant Pathology, Faculty of Agricultural Sciences & Technology, BZU, Multan.
Oct-2006-Jan-2007	Assistant Research Officer, Agri-Biotech. Research Institute, Ayyub Agriculture Research Institute, Faisalabad, Pakistan.
May 2006- Oct 2006	Researcher, National Institute of Biotechnology and Genetic Engineering, Faisalabad, Pakistan.

PUBLICATIONS

* As corresponding author

Naqvi, S.A.H., Rehman, A.U., and *Umar, U.D. 2026. Precipitation and Thermal Regimes Drive Biogeography of Antagonistic Microbial Families Across Punjab Rice Agroecosystems. Rice Sci. 33(5): 594-598. doi.org/10.1016/j.rsci.2026.05.009.

Naqvi, S.A.H., Rehman, A.U., and *Umar, U.D. 2026. Host-recruited *Bacillus* and *Pseudomonas* strains provide potential biocontrol and yield protection against rice bacterial leaf blight. World J. Microbiol. Biotech. 42:436.

Khalil, S., Hakim, M.F., Tahir, M.N., Ashraf, W., Naqvi, S.A.H., Rehman, A.U. and *Umar, U.D. 2026. Activation of Pathogenesis Related Genes through BTH Application: A Novel Approach to Suppress *Cotton Leaf Curl Multan Virus* in *Gossypium hirsutum*. (Abstract Plant Health 2025) Phytopathology, 115,S12. S13.

Naqvi, SAH., Umar, U.D., and Rehman, A.U. 2026. Host-specific multi-strain PGPR consortium delivers superior bacterial leaf blight and yield enhancement in rice through integrated seed priming and foliar applications. Eur. J. Plant Pathol.174: 1481–1507.

Saeed, Q., Sagheer, M., Umar, U.D., Shakeel, M.T. et al. 2026. Molecular characterization and genetic diversity of cotton whitefly *Bemisia tabaci* infesting cotton crops. Int J Trop Insect Sci. 46:1567–1574.

Naqvi, SAH., Umar, U.D., and Rehman, A.U. 2026. MaxEnt-based niche modeling reveals precipitation seasonality as the dominant driver of the antagonistic soil bacterial distribution in Punjab rice agroecosystems. Appl. Soil Ecol. 220: 106887.

Naqvi, SAH., Umar, U.D., and Rehman, A.U. 2026. GIS-based ecological niche modeling enables precision deployment of bacterial biocontrol agents against rice bacterial blight. J. Plant Pathol. doi.org/10.1007/s42161-025-02074-y

Naqvi, S.A.H., Umar, U.D., Rehman, A.U.. 2025. Beneficial communities from core bacterial microbiota of *Oryza sativa* L. soil and leaves perform dynamic role in growth promotion and suppression of bacterial leaf blight. World J. Microbiol. & Biotech. (41):285.

Naqvi, S.A.H., Rehman, A.U., and *Umar, U.D. 2025. Synergistic interplay of microbial probiotics in rice rhizosphere: A sustainable strategy for bacterial blight management through microbiome engineering. Physiol. Mol. P. Pathol., (136): 102568.

Umar, U.D., Zaka, S.M., Tahir, M.N., Kashif, M., Rehman, A.U., Atta, Sagheer and Naqvi, S.A.H. 2025. High-Sensitivity RT-LAMP Assay Enables Rapid, Field-Deployable Detection of *Candidatus* Liberibacter Asiaticus in Crude DNA Extracts from Citrus Phyllosphere and Psyllid Vectors. Appl. Fruit Sci. (67):195.

Naqvi, S.A.H., Malik, M.T., *Umar, U.D., Rehman, A.U., *et.al.* 2025. Mango Tree Sudden Decline disease: 65-years global perspective of ecology, biology, epidemiology, and management - Challenge of tropical landscape pathology. Physiol. Mol. P. Pathol., (138): 102713

Khan, M.F., Naqvi, S.A.H., Iqbal, A., Steichen, S.A, Ali, A., Gulzar, R.M.A., Brown, J.K., and *Umar, U.D. 2025. Quantitative analysis of pathogenesis-related protein expression in *Gossypium hirsutum* L. to elicitor-induced resistance against cotton leaf curl disease and predicted *In-silico* protein-protein interactions. Physiol. Mol. P. Pathol., (137): 102611.

Haq, Zia Ul., Ali, Amjad, Naqvi, S.A.H., Baloch, F.S. and *Umar, U.D. 2024. Primary distribution and RT-PCR-based detection of citrus dwarfing viroid (CDVd) in citrus cultivars of Pakistan. Turk. J. Bot., (48): 521-531.

Ahmed Raza, A., Shakeel, M.T., Umar, U.D., et al., 2024. Next-generation sequencing reveals genetic variation in ToCV infecting Pakistani tomato plants. Asian J. Agri. Biol. doi.org/10.35495/ajab.

Ali, A., Shahbaz, M., Ölmez. F., Fatima, Noor., Umar, U.D., Ali, M.A., Akram, M., Seelan, J.S.S., Baloch,F.S. 2024. RNA interference: a promising biotechnological approach to combat plant pathogens, mechanism and future prospects. World J. Microbiol. Biotechnol., (40): 339.

Altaf, M.T., A.Tarar, M., Ali, A., Liaqat, W., Mortazvi, P., Kayihan, C., Ölmez, F., Nadeem, M.A., Javed, J., Gou, J.Y., Wang, M., Umar, U.D., Daşgan, H.Y., Kurt, J., Yildiz, M., Mansoor, S., Dababat, A.A., Celiktaş, N., and Baloch. F.S. 2024. Advancements in QTL mapping and GWAS applications in plant improvement. Turk. J. Bot.(48): 376-426.

Nazir, W., Naqvi, S.A.H., Ahmed, N., Rehman, A.U., Alrefaei, A.F., Zulfiqar, M.A., *Umar, U.D. 2024. Optimizing Micronutrient Supplementation in Mango Orchards for the Suppression of Mango Anthracnose (*Colletotrichum gloeosporioides*). Appl. Fruit Sci. 66:1417–1430.

Azeem, H., Ali, A, Perveen, R., Umar, U.D. , Zakria, M., Ölmez, F., Azeem, M. U. 2024. Molecular characterization of cotton leaf curl Multan beta-satellite occurrence on chili plants in Multan, Pakistan. J. Pl. Prot.Rech. 64: (2): 139–148.

Khan, M. F. and *Umar, U.D., Alrefaei, A.F. and Rao, M.J. 2023. Elicitor driven defense mechanisms: Shielding cotton plants against onslaught cotton leaf curl Multan virus (CLCuMuV) disease. Metabolites. 13: 1148.

Rehman AU., Rauf, A., Ali, A., Shakeel, MT, Naqvi, SAH., Shahid, M. and *Umar, U.D. 2023. First report of *Fusarium equiseti* causing leaf spots of Bitter gourd (*Momordica charantia*) in Pakistan. Pl. Dis. 107:584.

Nauman, M., Mushtaq, S, Khan, FM., Ali, A., Naqvi, SAH., Haq, ZU., Zulfiqar, MA., Reman, A.U., Moustafa, M. and *Umar, U.D. 2023. Morphological, biochemical, and molecular characterization of *Xanthomonas citri* subsp. citri, cause of citrus canker disease in Pakistan. Pak. J. Bot., 55(6): 2409-2421.

Ali, A., *Umar, U.D., Naqvi, SAH., Shakeel, Tahir, MT., Khan MF., Altaf, MT., Ölmezlmez F.,

Dababat, AA., Haq, ZU., Nadeem, MA., Hatipoğlu, R, Baloch, FS. and Chung, YS. 2023. Molecular characterization of divergent isolates of *Citrus bent leaf viroid* (CBLVd) from citrus cultivars of Punjab, Pakistan. Front. Genet. 13:1104635

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Ali, A., *Umar, U.D., Akhtar, S., Shakeel, M.T., Rehman, A.U., Tahir, M.N., Atta, S., Moustafa, M., Ölmez, F. and Parveen, R. 2022. Identification and primary distribution of *Citrus viroid* V in citrus in Punjab, Pakistan. Mol. Biol. Rep. 49, (12):11433–11441

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Nauman, M., Umar, U.D., Naqvi, S.A.H, Rehman, A.U., Malik, M.T., Shahid, M., Akbar, M. and Umair, M. 2021. Impact of improved DNA extraction method from citrus leaves midrib and PCR for the detection of citrus greening (*Candidatus liberibacter*). Pak. J. Phytopathol., 33(1): 161-170.

Raza, A., Shakeel, M.T., Umar, U.D., Tahir, M.N., Hassan, A.A., Katis, N.I. and Wang, X. 2020. First Report of *Tomato Chlorosis Virus* Infecting Tomato in Pakistan. Pl. Dis. 104(7): 2036.

Umar, U.D., Naqvi, S.A.H., Ahmed, I., Rehman, A.U. Zulfiqar, M.A., Ullah, S. Pasand, S., Khan, Z. and Rehman, A. (2020). Prevalence and serological detection of *Spiroplasma citri,* a cause of citrus stubborn disease in southern Punjab, Pakistan. Pak. J. Agri. Res.33(4): 748-753.

Naeem-Ullah, U., Ramzan, M., Saeed, S., Iqbal, N., Umar, U.D., Sarwar, Z. M., Ali, M., Saba, S., Abid, A. D., Khan, K. A. and Ghramh, H.A. 2020. Toxicity of four different insecticides against Trilocha varians (*Bombycidae: Lepidoptera*). J. King Saud Uni., Sci. 32(3): 1853-1855.

Anwaar, H. A., Perveen, R. Mansha, M. Z., Abid, M., Sarwar, Z. M., Aatif, H. M., Umar, U.D., Sajid, M., Aslam, H. M.U., Alam, M. M. Rizwan, M., Ikram, R. M., Alghanem, S. M. S., Rashid, A. and Khan, K. A. (2019). Assessment of grain yield indices in response to drought stress in wheat (*Triticum aestivum* L.). Saudi J. Biol., Sci. 27(7): 1818-1823.

Atta, S., *Umar, U.D., Bashir, M.A., Hanan, A. Rehman, A.U., Naqvi, S.A.H., and Zhou, C. 2019. Application of Biological and Single-Strand Conformation Polymorphism Assays for Characterizing Potential Mild Isolates of *Citrus Tristeza Virus* for Cross Protection. *AMB. Expr*. 9: 174-180.

Manzoor, M., Ahmad, J. N., Samina, J. N., Naqvi, S.A., Umar, U.D., Rasheed, R. and Haider, M. S. 2020. Population dynamics, abundance and infestation of the Red Palm Weevil, *Rhynchophorus Ferrugineus* (Olivier) in different geographical regions of date palm in Pakistan. *Pak. J. Agri. Sci.*

Arif, M., Atta, S., Bashir, M. A., Hussain, A., Khan, M.I., Farooq, S., Hannan, A., Islam, SU., Umar, U.D., Khan, M., Lina, W., Hashem, M., Alamri, S.,j, and Wua, Z. 2019. Molecular

characterization and RSV Co-infection of *Nicotiana benthamiana* with three distinct begomoviruses. Methods. doi.org/10.1016/j.ymeth.2019.11.010.

Akmal, M., Freed, S., Schäfer, M.A., Blankenhorn, W.U., Razaq, M. and Umar, U.D. 2019. Population genetic and phenotypic differentiation of cotton leafhoppers (*Hemiptera: Cicadellidae*) from Pakistan. Ecoscience

Sattar, A., Sher, A., Ijaz, M., Ullah, M.S.,Ahmad, N and Umar, U.D. 2020. Individual and combined effect of terminal drought and heat stress on allometric growth, grain yield and quality of bread wheat. *Pak. J. Bot.,* 52(2): Accepted. Oct. 2019. DOI: http://dx.doi.org/10.30848/PJB2020-2(5).

Hussain, S., Rao, M.J., Anjum, M.A., Ejaz, S., *Umar, U.D., Ali, M.A., Khalid, M.F., Sohail, M., Ercisli, S., Haq, M.Z.Ul., Ahmad, M.S. and Naqvi, S.A.H. 2019. Effect of different combinations of antibiotics on fruit quality and antioxidant defense system in Huanglongbing infected Kinnow orchards. *AMB Expr*. 9:147.

Umar, U.D., Burhan, D.S., Khan, M.F., Rehman, A., U., Naqvi, S.A.H., Zulfiqar, M.A. Khan, A.A. and Alyas, N. 2019. Enhancing resistance level against *Mungbean Yellow Mosaic Virus* by inducing defense related enzymes in Mungbean. *Pak. J. Agri. Res.,* 32(2) :241-251.

Naqvi, S.A.H., Mushtaq, S., Malik, M.T., Umar, U.D., Rehman, A.U., Fareed, S. Zulfiqar, M.A. 2019. Factors Leading Towards Dalbergia Sissoo Decline (Syndrome) in Indian Sub-Continent: A Critical Review and Future Research Agenda. *Pak. J. Agri. Res.,* 32(2):302-316.

Rehman, A., U., Naqvi, S.A.H., Umar, U.D., Zafar, M.I., Hussain, F., Zulfiqar, M.A. and Khan, A.A. 2019. Identification of resistance sources in wheat to brown and yellow rust. *Paki. J. Agri. Res.,* 32(1): 185-196.

Sajid, A.R., Rehman, A.U., Naqvi, S.A.H., Umar, U.D., Sherwani, H.U.K., and Bhatti, M.R. 2019. Identification of sources of resistance and biochemical management of late blight of potato (*Phytophthora infestans*). Plant Protection, 3(3):141-150.

Raza, S. Umar, U.D., Faqeer, M., Rehman, A.U., Naqvi, S.A.H. and Sherwani, H.U.K. 2019. Efficient approaches for the management of Karnal bunt of wheat caused by *Nevossia indica. Pak. J. Phytopathol.,* 31(02): 177-188.

Naqvi, S.A.H., Umar, U.D., Hasnain, A., Rehman, A.U and Perveen, R. 2019. Effect of botanical extracts: A potential biocontrol agent for *Xanthomonas oryzae Pv. Oryzae,* causing bacterial leaf blight disease of rice. *Paki. J. Agri. Res.,* 32(1):59-72.

Akram, S., Umar, U.D., Atiq, R., Tariq, A., Mahmood, M.A., and Rehman, A.U. 2018. Emerging Resistance in *Alternaria solani* Against Different Fungicides in Southern Punjab, Pakistan. *Pak. J. Life Soc. Sci*. (2018), 16(2): 117-123.

Akram, S., Khan, S.M., Khan, M.F., Khan, H.U., Tariq, A. Umar, U.D. and Gill, Amir. 2018. Antifungal activity of different systemic fungicides against *Fusarium oxysporum* f. sp. *Lycopersici* Associated with tomato wilt and emergence of resistance in the pathogen. *Pak. J. Phytopathol.,* 31(2):169-176.

Naqvi, S.A.H., *Umar, U.D., Atta, S., Liu, H., Rehman, A.U. and Khan, A. A. 2017. Serological and molecular based detection of graft transmissible pathogens associated with citrus from non-core areas of Pakistan. *Pak. J. Agri. Sci., Vol. 54(4),* 793-799.

Rehman, A.U., Naqvi, S.A.H., Umar, U.D. and Ahmed, R. 2017. Evaluation of various wheat lines against loose smut (*Ustilago tritici*) and its epidemiological studies. *Pak. J.Phytopathol.,* 29(2); 219-225.

Atta, S., Cao, M., Umar, U.D., Zhou, Y., Yang, F. and Zhou, C. 2017. Biological indexing and genetic analysis of *Citrus tristeza virus* in Pakistan. J. Gen. Plant Pathol., 83(6):382-389.

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Umar, U, Khan, M.A., Rehman A.U., Hannan, A., Naqvi, S.A.H., Khan, A.A. and Zulfiqar, M.A. 2016. Development and validation of *Potato leaf roll virus* disease prediction model based on environmental factors for Faisalabad, Pakistan. *Pak. J. Agric. Res*., 29(4): 331-339.

Naqvi, S.A.H., Perveen, R., Umar, U.D., Abid, M., Chohan, S. and Hasnain, A. 2016. Effectiveness of YSCNA modified culture medium for lauxurious growth of *Xanthomonas oryzae* pv. *oryzae*, associated with rice plants. *Pak. J. Phytopathol*., 28(2); 263-268.

Umar, U.D., Naqvi, S.A.H., Khan, A.A., Khan, S.M., Rehman, A.U., Perveen, R. and Haq, M.E.U. 2016. Management of *Zucchini Yellow Mosaic Virus* in cucumber through genetic and salicylic acid induced resistance. *Pak. J. Agri. Sci*., Vol. 53(1), 187-194.

Rehman, A.U., Umar, U.D., Naqvi, S.A.H., Latif, M.R., Khan, S.A., Malik, M.T. and Fareed, S. 2015. Emerging resistance against different fungicides in *Lasiodiplodia theobromae*, cause of mango die-back in Pakistan. Arch. Biol. Sci., Belgrade, 67: 241-249.

Ali, A.M., Khan, S.M., Nawaz, A., Iqbal, Q., Ahmed, T. and Umar, U.D. 2015. Mycelial growth and primordial initiation of *Agaricus bitorquis* and related species on agar media. *Pak. J. life soc. Sci.,* 13(1): 42-48.

Haq, I.U., Sarwar, M.K., Khan, S.A., Javed, N., Khan, N.A., Iqbal, M. and Umar, U.D. 2014. Seedling root rot of rough lemon (*Citrus jambhiri* Lush) and its chemical management. *Pak. J.Phytopathol.,* 26(2); 233-240.

Naqvi, S.A.H., Perveen, R., Malik, M.T., Malik, O, Umar, U.D., Wazeer, M.S., Rehman, A.U. and Abbas, Z. 2014. Characterization of symptoms severity on various mango cultivars to quick decline of mango in district Multan. *Int. J. Bio. Sci.* 11: 157- 163.

Naqvi, S.A.H., Perveen, R., Umar, U.D., Malik, O., Rehman, A.U., Wazeer, M.S. and Majid, T. 2014. Determination of antibacterial activity of various broad spectrum antibiotics against *Xanthomonas oryzae* pv. *oryzae*, a cause of bacterial leaf blight of rice. *Int. J. Microbiol. & Mycol.* 2: 12-19.

Umar, U.D. and Khan, M.A. 2011. Characterization of environmental conditions conducive for the development of *Potato leaf roll virus* disease. *Pak. J. Phytopathol*., 23: 92-97.

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Mustafa, A., Khan, M.A., Haq, M.I., Pervez, M.A. and Umar, U.D. 2009. Usefulness of different culture media for *in-vitro* evaluation of *Trichoderma* spp. against seed-borne fungi of economic importance. *Pak. J. Phytopathol.,* 21(1): 83-88.

BOOKS/ BOOK CHAPTER

Naqvi, S.A.H., Malik, M.T., Rehman, A.U., Umar, U.D., Mustafa, G., Nazir, W., Hakim, F. and Ammar, M.H. 2025. Insights into Biotic Issues Hampering Mango Production in Tropical and Subtropical Regions. In: Hussain, S., Nahar, K., Rajwana, I.A., Ercisli, S. and Ahmad, S. (eds) Handbook of Research on Mango Fruit. Apple Academic Press, NY., USA. Pp. 479-507.

Balban, A., Nazir, W, Umar, U.D., Ahmed, N., Rehman, A.U. and Mustafa, G. 2025. Impact of Micronutrients for Mitigating Mango Malformation Disease Under Changing Climate. In: Naqvi, S.A.H., Ahmed, S. and Ahmed, M. (eds) Climate Change and Mango Production. Springer. Singapore. Pp. 469-497.

Ali, A., Ölmez, F., Altaf, M.T., Liaqat, W., Umar, U.D., Iqbal, J. (2023). Advanced and Sustainable Approaches in Sugarcane Crop Improvements with Reference to Environmental Stresses. In: Aasim, M., Baloch, F.S., Nadeem, M.A., Habyarimana, E., Ahmed, S., Chung, G. (eds) Biotechnology and Omics Approaches for Bioenergy Crops. Springer, Singapore. Pp. 155-182.

Naqvi, S.A.H., Reman, A.U., Chohan, S. Umar, U.D., Mehmood, Y. and Mustafa, G. (2023). Sustainable Development in Agriculture Beyond the Notion of Minimizing Environmental Impacts. In: Ahmed, M., Ahmad, S. (eds) Disaster Risk Reduction in Agriculture. Disaster Resilience and Green Growth. Springer, Singapore. Pp.147-168.

Shah F. M. and Razaq, M. F. Ahmad, A., Rehamn, A.U and Umar, U.D. 2023. Crop protection under climate change: the effect on tri-trophic relations concerning pest control. In: Jatoi, W.N., Mubeen, M., Hashmi, M.Z., Ali, S., Fahad, S., Mahmood, K. (eds) Climate Change Impacts on Agriculture. Springer, Cham. Pp. 329-354.

Rehman, A.U., Alam, M.M., Umar, U and Naqvi, SAH. 2019. Cotton Diseases and Disorders under Changing Climate. In: Ahmad, S. and Hasan Zaman, M. (eds). Cotton Production and Uses – Agronomy, Crop Protection, and Postharvest Technologies. Springer Nature, Singapore.

Afzaal, M., Mirza, S.A, Mir, M., Ahmed, S., Rasul, A., Nasir, S., Waqas, M.Y. and Umar. U. 2018. Antibiotics and Resistant Genes in Paddy Soils. In: Hashmi, M.Z. and Varma, A. (eds). Environmental Pollution of Paddy Soils. Springer Nature, Switzerland. pp. 99-112.

PROJECTS AND FUNDINGS

2022 Implementation of GIS models in the movement pattern of Whitefly species and Biotypes and associated Plant Viruses along the CPEC route. ALP, Pakistan Agriculture Research Council, Islamabad. Rs 5.777 Million.

2019 Induction and Expression of Systemic Acquired Resistance to *Cotton Leaf Curl Virus* (CLCuV). Directorate of Research and External Linkages, BZU, Multan. Rs 0.295 Million.

2017 Molecular characterization of Citrus Huanglongbing (HLB) Bacterium based on the sequences of intergenic spacer regions and outer membrane protein (omp) gene regions among the isolates in Pakistan. Directorate of Research and External Linkages, BZU, Multan. Rs 0.150 Million.

2016 Induction of systemic acquired resistance with chemicals in cotton against *cotton leaf curl virus.* Directorate of Research and External Linkages, BZU, Multan. Rs 0.150 Million.

2014 Management of *Zucchini Yellow Mosaic Virus* in Cucumber through Genetic and Induced Resistance. Directorate of Research and External Linkages, BZU, Multan. Rs 0.099 Million.

2013 Identification, distribution, and characterization of virus and virus like diseases of citrus in Southern Punjab. Higher Education Commission of Pakistan. Rs. 0.50 Million.

TRAININGS, WORKSHOPS, CONFERENCE AND SEMINARS ATTENDED/ DELIVERED

2025 9th International Conference of Pakistan Phytopathological Society. "Combating Plant Pathogens in Changing Climate for Sustainable Food Security," Nov. 16-18. 2025. Organized by the Department of Plant Pathology, PMAS-AAUR, Rawalpindi and PPS.

2025 Poster Presentation at the International Conference "Plant Health 2025" Organized by American Phytopathological Society (APS) at Honoloulu Hawai, USA, August 2nd to 5th 2025.

2024 One-day field Seminar on awareness of Vivipary in Mango orchards at Korai Mango Farm, Sheikh Wahn Distt. Rahim Yar Khan. December 29, 2024.

2024 One-day field Seminar on awareness of Vivipary in Mango orchards at Chichra Farm, Mauza Doaaba, Muzafargarh Distt. Rahim Yar Khan as the resource person. September 23, 2024.

2023 8th International Conference of Pakistan Phytopathological Society. "Sustainable Agriculture & Food Security. " A nexus of Plant Pathogens, Climate Change and Water Challenges" Nov. 20-22. Organized by the Department of Plant Pathology, The Islamia University of Bahawalpur.

2023 Poster Presentation at Presented at 8th International Conference of Pakistan Phytopathological Society. Nov. 20-22 "Isolation and Characterization of Xanthomonas citri pv. mangiferaindica associated with Blackspot of mango" . Organized by the Department of Plant Pathology, The Islamia University of Bahawalpur.

2023 Participation in National Seminar on "Scientific writing" November 7th 2023. Organized by The Department of Biochemistry, Bahauddin Zakariya University, Multan.

2023 Organized One-day Training Seminar on GIS-Based Modeling and its uses in Natural Sciences on May 11, at the Department of Plant Pathology, BZU, Multan.

2021 7th International Conference of Pakistan Phytopathological Society "Plant Health for Sustainable Agriculture" Nov. 20-22. Organized by the Department of Plant Pathology, University of Agriculture Faisalabad.

2018 Oral presentation of research work in "Plant Protection Congress with International participation, 14-17 November, at Mugla, Turkey.

2017 6th International Conference of Pakistan Phytopathological Society "Plant Health for Sustainable Agriculture" A focused Approach for food security under changing climate. Nov. 20-22. Organized by the Department of Plant Pathology, BZU, Multan & CCRI, Multan.

2017 Organizer in the 6th International Conference of Pakistan Phytopathological Society "Plant Health for Sustainable Agriculture" A focused Approach for food security under changing climate. Nov. 20-22. Organized by the Department of Plant Pathology, BZU, Multan & CCRI, Multan.

2017 Poster presentation/ Abstract in the 6th International Conference of Pakistan Phytopathological Society "Plant Health for Sustainable Agriculture" at BZU, Multan & CCRI, Multan."Enhancing resistance in mungbean against *Mung bean Yellow Mosaic Begomovirus* by the exogenous application of Salicylic acid and Benzothiadiazole" Nov. 20-2

2017 Mango Workshop & Exhibition. Organized by the Department of Horticulture, BZU, Multan. Held on 13-14 July.

2017 Training by Learning Innovation Division of Higher Education Commission on"Professional Development for Teachers Teaching through Medium of English under Transforming English Language Skills. Held at MNS, University of Agriculture, Multan on May 02-06.

2016 Hands-on Training Workshop on Clinical Diagnostic by Real-Time PCR, Western Blot, and cell Culturing. October, 18-21. Jointly organized by the Institute of Biochemistry and Biotechnology & Center for Applied Molecular Biology, University of Punjab.

2016 One-day training seminar on "Cotton diseases and their Management held on 03 October 2016 at the Department of Plant Pathology, BZU, Multan Organized by Department of Plant Pathology.

2016 One-day Workshop on intellectual property rights and patent drafting, A joint venture of PASTIC-PSF, FVS-BZU & IPO. 11th May at Faculty of Veterinary Sciences, Bahauddin Zakariya University, Multan.

2016 Three-Day Workshop on "Basic Bioinformatics" AT Bahauddin Zakariya University, Multan. Organized by the Institute of Molecular Biology and Biotechnology. 19-21 April.

2016 Awareness Seminar on the Significance of Micronutrients in Crop Production on April 11. Organized by the Department of Soil Science & Department of Agronomy, BZU, Multan.

2015 5th International/ 10th National Conference of Pakistan Phytopathological Society. Crop Protection for Sustainable Agriculture. Nov. 23-25.

2015 International Conference on Citriculture, Challenges & Management at BZU, Multan.11 Feb.Organized by Department of Horticulture, BZU, Multan.

2015 Poster presentation at International Conference on Citriculture, Challenges & Management at BZU, Multan. "Prevalence and detection of CTV, HLB and CVC in citrus groves of southern Punjab" 11-13 Feb.

2015 Biosafety Training Workshop: Biosafety in Pakistan-Challenges and Solutions. At BZU, Multan. 24 Sep. Organized by the American Society of Microbiology, Biological Safety Association of Pakistan, and the Department of Food Sciences & Technology, BZU, Multan.

2014 An Irrigation Management Training Workshop at BZU, Multan. 09-04-2014.Organized by NSW Department of Primary Industries, Australia.

2014 One-day training seminar on nursery hygiene and transplantation of new nursery plants, at FAS&T, BZU, Multan. 08-02-2014. Organized by ASLP.

2013 National workshop on sustainable and integrated management of insects, pests, and diseases of crops. Sep.24-26, 2013. Organized by NIAB, Faisalabad.

2012 Project Formulation Workshop from June 20 to 21, 2012. at B.Z.U, Multan. Organized by Pakistan Science Foundation.

INTERNATIONAL EXPOSURE

2025 Selected for APS International Travel Award to present research at the International Conference "Plant Health 2025) at Honolulu, Hawaii, USA.

2018 Selected as academic staff to deliver lectures at the Department of Plant Protection, Abant Izzet Baysal University, Bolu, Turkey, under the Mevlana Exchange Program of faculty members.

TEACHING COURSES

PLP-201	Introduction to Plant Pathogens
PLP-202	Introductory Plant Pathology
PLP-402	Plant Disease Epidemiology
PLP-407	Resistance to Plant Diseases
PLP-712	Integrated Plant Disease Management
PLP-708	Ecology and Epidemiology of Plant Diseases

ADMINISTRATIVE ASSIGNMENTS

2026-Present	Chairman, Department of Plant Pathology, BZU, Multan.
2026-Present	Member, Selection Committee of Part-time Teachers for the Faculty of Agricultural Sciences & Technology, BZU, Multan.
2025- Present	Member, Mango and Citrus orchards management committee.
2022-Present	Member/Secretary, Library Committee of the Department of Plant Pathology.
2021-Present	Member, Synopsis Evaluation Committee of Department of Plant Pathology, BZU, Multan.
2017-Present	Member, Purchase Committee of Department of Plant Pathology, BZU, Multan.

EXAMINER/ MEMBER BOARD OF STUDIES

2026-Present	Member Board of Studies, Department of Plant Pathology, The Islamia University, of Bahawalpur, Bahawalpur.
2023-Present	Member Board of Studies, Department of Plant Protection, Faculty of Agricultural Sciences, Ghazi University, Dera Ghazi Khan.
2023-Present	Member, Board of Faculty, Department of Plant Pathology, Faculty of Agricultural Sciences & Technology, Bahauddin Zakariya University, Multan.
2020-Present	Member Board of Studies, Department of Plant Pathology, Faculty of Agricultural Sciences & Technology, Bahauddin Zakariya University, Multan.
2021-Present	External Examiner & Member DTRC, Department of Plant Pathology, The Islamia University, Bahawalpur.
2020-2024	External Examiner. Department of Plant Pathology, Sub Campus Beurewala, University of Agriculture, Faisalabad.
2021-Present	Member DTRC, Department of Plant Pathology, MNS University of Agriculture, Multan.
2019-2020	External Examiner, Department of Plant Molecular Biology and Biotechnology, Center for Applied & Molecular Biology (CAMB), Punjab University, Lahore.
2016-2018	Member board of studies, Department of Plant Pathology, MNS University of Agriculture, Multan.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

2011-Present	Pakistan Phytopathological Society.
2013- Present	American Phytopathological Society.
2018- Present	International Society of Plant Pathology.
2026-Present	British Society of Plant Pathology.

SPECIAL TASK

2014 Established a molecular Diagnostic Laboratory in the Department of Plant Pathology and optimized the protocols for DNA and RNA Extraction, PCR, Electrophoresis, Cloning, Transformation, SDS PAGE, ELISA, and Biochemical analysis.

REFERENCES

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