CURRICULUM VITAE

Dr. Ateeq ur Rehman

Address: House # 1, Street # B, Green Huts, Bahadar Pur,
Bosan Road, Multan
Cell No: +92-03006894164
Email: ateequrrehman@bzu.edu.pk

QUALIFICATION SUMMARY: -

Degree	Year	%age	Board/University
Matric (Science)	1989	70.11	BISE Multan
F. Sc. (Pre-medical)	1992	71.72	BISE Multan
B. Sc. (Hons.) Agriculture, (Plant Pathology)	1998	73.03	University of Agriculture, Faisalabad
M. Sc. (Hons.) Agriculture, (Plant Pathology)	2000	80.86	University of Agriculture, Faisalabad
Ph. D. Agriculture, (Plant Pathology)	2009	Pass	University of Agriculture, Faisalabad

PERSONAL INFORMATION: -

Father's Name: Saddique Muhammad
CNIC # 36103-1645598-9
Date of Birth: December 01, 1971
Marital Status: Married
Domicile: Khanewal
Nationality: Pakistani
Present Status: Associate Professor, Department of Plant Pathology, BZU.
Date of Joining: 02-05-2008.

RESEARCH ACTIVITIES INCLUDE: -

- Integrated Management of Root-knot nematode (*Meloidogyne* spp.) in vegetables.
- Exploitation of Entomopathogenic nematodes against various insect pests.
- Survey for the prevalence of plants parasitic nematodes in fruits and vegetables.
- Survey to observe the alternate hosts of root-knot nematode (*Meloidogyne* spp.)
- Screening of wheat germplasm against yellow rust of wheat.
- Management of citrus and mango diseases.

TEACHING EXPERIENCE: -

Designation	Department	Scale/ Grade	Duration	Responsibilities
Lecturer	Plant Pathology, University College of Agriculture, B.Z.U., Multan	18	02-05-2008 To 03-12-2009	1. To teach the courses to students of various semesters.
Assistant Professor	Plant Pathology, University College of Agriculture, B.Z.U., Multan	19	04-12-2009 13-12-2018	1. To teach the courses to students of various semesters. 2. To supervise the research projects of M.Sc. (Hons.) Agri. and Ph. D. students. 3. Secretary Time Table Committee
Associate Professor	Plant Pathology, Faculty of Agricultural Sciences and Technology, B.Z.U., Multan	20	14-12-2018 To date	1. To teach the courses to students of various semesters. 2. To supervise the research projects of M.Sc. (Hons.) Agri. and Ph. D. students. 3. Secretary admission Committee of the Department

OTHER EXPERIENCE: -

Designation	Department	Scale/ Grade	Duration	Responsibilities
Assistant Research Officer	Plant Pathology Section, Ayub Agricultural Research Institute, Faisalabad.	17	25-11-2003 To 30-4-2008	Research and Training of Extension workers and students on internship

PUBLICATIONS: -

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

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.

Rehman, A. U., Rauf, A., Ali, A., Shakeel, M. A., Naqvi, S.A.H.N., Shahid, M., Umar, U. D. 2023. First report of Fusarium equiseti causing leaf spot of bitter gourd (*Momordica charantia*) in Pakistan. Plant Disease, 107 (2): 584. doi: 10.1094/PDIS-04-22-0786-PDN. PMID: 36281019.

Nauman, M., S. Mushtaq, M.F. Khan, A. Ali, S.A.H. Naqvi, Z.U. Haq, M.A. Zulfiqar, **A. U. Rehman**, M. Moustafa and U.U.D. Umar. 2023. Morphological, biochemical, and molecular characterization of *Xanthomonas citri* subsp. *citri*, cause of citrus canker disease in Pakistan. **Pak. J. Bot**., 55(6): DOI: http://dx.doi.org/10.30848/PJB2023-6(14).

Mubeen, B.; Hasnain, A.; Wang, J.; Zheng, H.; Naqvi, S.A.H.; Prasad, R.; **Rehman, A. U.;** Sohail, M.A.; Hassan, M.Z.; Farhan, M., Khan M.A., Moustafa, M. 2023. Current Progress and Open Challenges for Combined Toxic Effects of Manufactured-NanoSized Objects (MNO's) on Soil Biota and Microbial Community. coatings, 13, 212. https://doi.org/10.3390/coatings13010212.

Naqvi SAH, Wang J, Malik MT, Umar U-U-D, **Rehman, A. U.,** Hasnain A, Sohail, MA, Shakeel MT, Nauman M, Hafeez-ur-Rehman, Hassan MZ, Fatima M, Datta R. 2022. Citrus Canker—Distribution, Taxonomy, Epidemiology, Disease Cycle, Pathogen Biology, Detection, and Management: A Critical Review and Future Research Agenda. ***agronomy*** 2022, 12, 1075. https:// doi.org/10.3390/agronomy12051075.

Umar Ud, Ahmed N, Zafar MZ, **Rehman. A. U.,** Naqvi SAH, Zulfiqar MA, Malik MT, Ali B, Saleem MH, Marc RA. 2022. Micronutrients Foliar and Drench Application Mitigate Mango Sudden Decline Disorder and Impact Fruit Yield. agronomy, 12, 2449. https://doi.org/10.3390/ agronomy12102449

Mustafa, M., Ali, M. A., Smith, D. L., Masood, S., Qayyum, M. F., Ahmed, N., **Rehmn, A. U**., Ahmad, S., Hussain, S., Arshad, M., Muneer, S., Khan, A. H.A., Fahad, S., Datta, R., Iqbal, M. and Schwinghamer, T. D. 2021. Formalin fumigation and steaming of various composts differentially influence the nutrient release, growth and yield of muskmelon (*Cucumis melo L.*) Scientific Reports. 11. 21057.

Malik, M. T., **Rehman, A. U**., Naqvi, S. A. H., Ammarah, H., Umar, U., Azeem, H., Shahid, M. and Umair, M. 2021. Biological mediated management of bacterial diseases in crop plants: a review. Pak. J. Phytopathol., 33 (1):217-232.

Hussain, S.I., Mehmood, K., Khaliq, Anwar, A., S. M. Zaka, **Rehman, A. U.,** Shahid, M., Naqvi, S.A.H., Umar, U. and Zulifqar, M.A. 2021. Population Dynamics and Forecasting of Cotton Pink Boll Worm (*Pectinophora Gossypiella*, (Saundars) Lepidoptera: Gelechiidae) in Punjab, Pakistan Pak. J. Agri. Res. 34(4): 732-741.

Nauman, M., Umar, U., 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.

Hussain, S.I., Asi, M.R., Anwar, H., Ahmad, F., **Rehman, A. U.,** Shahid, M., Naqvi, S.A.H., Umar, U., Zulifqar, M.A., Ijaz, M. and Shakir, S.H. 2021. Efficacy of PB

ropes against pink boll worm *Pictinophora gossypiella* (Saunders) (Lepidoptera, Gelichidae) destructive cotton pest in various ecological zones of Punjab, Pakistan. Pak. J. Agri. Res. 34(3): 462-472.

Umar, U., Naqvi, S.A.H., Ahmad, I., **Rehman, A. U.,** Zulifqar, M.A., Sibghat Ullah, 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.

Atta, S., Umar, U., Bashir, M.A., Abdul Hanan, **Rehman, A.U.,** Naqvi, S.A.H. and Zhou, C. 2019. Application of biological and single-stranded conformation polymorphism assay for characterizing potential mild isolates of *Citrus tristeza virus* for cross protection. AMB Exp. 9: 174-180.

Naqvi, S.A.H., Umar, U., Hasnain, **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 Pak. J. Agri. Res. 32(1): 59-72.

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

Umar, U., Burhan-ud-Din, S., Khan, M.F., **Rehman, A.U.,** Naqvi, S.A.H., Zulifqar, M.A., Khan, A.A. and Ilyas, 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., **Rehman, A.U.,** Fareed, S. and Zulifqar, M.A. 2019. Factors leading towards *Dalbergia sisso* decline (Syndrome) in Indian Sub-Continent: A critical review and future research agenda. Pak. J. Agri. Res. 32(2): 302-316.

Raza, S., Umar, U., Muhammad, F., **Rehman, A.U.,** Naqvi, S.A.H. and Khan, H.U. 2019. Efficient approaches for the management of karnal bunt of wheat caused by *Neovossia indica*. Pak. J. Phytopathol. 31(02): 177-188.

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

Akram, S., Umar, U., 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., 16(2): 117-123.

Shoukat, R.F., Fareed, S., Ahmad, K.W. and **Rehman, A.U.** 2018. Assessment of binary mixtures of entomopathogenic fungi and chemical insecticides on biological parameters of *Culex pipens* (Diptra: Culicidae) under laboratory and field conditions. Pak. J. Zool., 50(1): 299-309.

Farooq, M., Siddique, M., **Rehman, A.U.,** Khan, I., Abdul Saboor, Khan, S., Khan, M.N., Abdul Qayum, Ilyas, N., Ilyas, N. and Bakhtiar, M. 2018. Antifungal activity of plant extracts and silver nano particles against citrus brown spot pathogen (*Alternaria citri*). Int. J. Environ Agri. Res., 4(4): 118-125.

Farooq, M., Siddique, M., **Rehman, A.U.,** Golly, M. K., Zib, B., Khan, I, Khan, S., Khan, I., Bakhtiar, M. and Ilyas, N. 2018. Effectiveness of systemic and contact fungicides against *Alternaria citri* the causal organism of citrus brown spot disease in citrus mangroves of Pakistan. J. Agri. Sci. Pract., 3(2): 38-45.

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

Naqvi, S.A.H., Umar, U., Khan, Atta, S., Huawei, L. **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.

Umar, U., 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.

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., **Rehman, A.U**., Chohan, S. and Abbas, S.H. 2016. Bacterial Leaf blight of rice; A disease forecasting model based on meteorological factors in Multan, Pakistan. J. Agric. Res., 54(4): 707-718.

Naqvi, S.A.H., Perveen R., **Rehman A. U.**, Khan, T., Malik M. T., Chohan S., Tariq, A., Akram, S., Abbas S. H. 2016. Outbreak of bacterial apical necrosis of Mango in Multan, Punjab, Pakistan. Pak J. Phytopathol. 28(2): 107-113.

Chohan, S., Perveen, R., Mahmood, M. A. and **Rehman. A.U.** 2016. Fungi colonizing different parts of tomato plant (*Lycopersicon lycopersicum* L. karst) in Pakistan. Pak J. Phytopathol., 28(1): 25-33.

Malik, M. T., M. Ammar, M. Ranan, **A.U. Rehman** and I.S.E. Bally. 2016. Chemical and cultural management of die back disease of mango in Pakistan. Acta Hortic., 363-368.

A.U. Rehman, Umar, U., 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.

Naqvi, S.A.H., Perveen, R., Umar, U.**,** 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. and Mycol., 2: 12-19.

Naqvi, S.A.H., Perveen, R., Malik, M.T., Malik, O, Umar, U., 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.

Khan, S. M., A. Nawaz, M. A. Ali, T. Ahmad, N. A. Khan and **A. U. Rehman**. 2012. Response of oyster mushroom on different agricultural wastes of Southern Punjab. Pak. J. Agri. Sci. 49 (2): 127-130.

Shahid, M., **A. U. Rehman** and N. Javed. 2010. Occurrence of Pasteuria penetrans in the fields of vegetable crops in Punjab, Pakistan. Pak. J. Phytopathol., 28 (2): 329-333.

Perveen, R; I. Fani; Noor ul. Islam; S. Haider; S. Chohan and **A. U. Rehman**. 2010. Correlation of biweekly environmental conditions on CLCuV disease growth in Pakistan. Euro. J. Sci. Res. 42 (4): 600-607.

Perveen, R; I. Fani; I. Rasheed, S. Chohan, A**.U. Rehman**, and S. Haider. 2010. Identification of Cotton leaf curl begomovirus in Pakistan in different symptomatic and asymptomatic plants through Enzyme-linked immunosorbent assay (ELISA).Euro. J. of Social Sci., 14 (4): 502-507.

A.U. Rehman, N. Javed, R. Ahmad and M. Shahid. 2009. Protective and Curative effect of bioproducts against the invasion and development of root knot nematodes in tomato. Pak. J. Phytopathol., 21 (1): 37-40.

A.U. Rehman, N. Javed, R. Ahmad and M. Shahid. 2009 Integration of bio-products and *Pasteuria penetrans* for the management of root-knot nematode over three crop cycles of tomato. Pak. J. Nematol., 27 (2): 325-336.

Shahid M., **A. U. Rehman** and S.H. Khan. K. Mahmood and A.U. Khan. 2009. Management of root-knot nematode infecting brinjal by biopesticides, chaemicals, organic amendments and biocontrol agent. Pak. J. Nematol., 27 (2): 159-166.

Shahid M., **A. U. Rehman** and A. U. Khan. 2008. New record of alternate hosts of root-knot nematodes in Pakistan. Int. J. Biol. Biotech., 5 (1-2): 161.

A.U. Rehman, N. Javed, M. M Javed and Q. M. Saeed. 2008. New records of alternate hosts of root-knot nematodes (*Meloidogyne* species) in Pakistan. Pak. J. Nematol., 26 (2): 193.

TRAININGS OBTAINED: -

- Attended three days training on "Level-I training (Cohort III)" held from **11 to 13 November, 2025** at Seminar Hall, IBF, Bahauddin Zakariya University, Multan organised by Professional Development Centre, ORIC, BZU, Multan.
- Attended one day training seminar on "Mechanics of Scientific Writing with End Note" held on **29th April, 2018** at Department of Plant Pathology, Bahauddin Zakariya University, Multan organised by Department of Plant Pathology.
- Attended two weeks "5th International workshop on Capacity Building in Nematology fom **12 to 22, February, 2018,** organised by Pakistan Society of Nematologists, National Nematological Research Centre with ECOSF at University of Karachi, Karachi.
- One day training on Cotton Diseases and their Management on **3 October 2016** Organized by Department of Plant Pathology, Bahauddin Zakariya University, Multan.
- One day training on "Significance of Micronutrients in Crop Production" on **4 April 2016** Organized by Department of Soil Science and Department of Agronomy, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan.
- Five days training on "Active Citizens Training of Facilitators" from **24-28 August, 2015** at Bahauddin Zakariya University, Multan Organised by British Council, Islamabad.
- One day Training on "Mango Diseases and their Management" on **14 May 2015** Organized by Department of Plant Pathology, Bahauddin Zakariya Univesity, Multan.
- One day International Workshop on, "Role of Imaging Techniques in Plant Disease Diagnosis", on **May 05, 2015** at Department of Plant Pathology, University of Sargodha, Sargodha.

- One day International Workshop on "Biosafety in Pakistan-Challenges and Solutions" **on 24 November, 2014** at Department of Food Science and Technology, Bahauddin Zakariya University, Multan.
- One day training on "Irrigation Management Training Workshop" on **9 April, 2014** at Bahauddin Zakariya University, Multan.
- One day training on "Emerging Infectious Diseases and Diagnostics" on **12 February 2014** organized by American Society of Microbiology and Department of Food Science and Technology, Bahauddin Zakariya University, Mulan.
- One day training "ASM Scientific Writing and Publishing Workshop" on **2 October 2013** held at Department of Food Science and Technology, Bahauddin Zakariya University-ASM Bio Resource Centre.
- One day training on "Modern Corn Technologies" on **2 August 2013** organized by Monasanto Pakistan (Pvt.) Ltd. And Institute of Pure and Applied Biology, Bahauddin Zakariya University, Multan
- One day training on ""Mango Current Issues to Boost its Export and Industry" on **7 March 2013** organized by Mango Research Institute Multan, BZ University, Multan and ASLP-Project.
- One day training "Simulation Modeling: A Decision Support System for Agro-technology Transfer for Improving the Standards of Research" on **4 March 2013** Organized by Department of Agronomy, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan, Sponsored by Higher Education Commission, Islamabad, Pakistan.
- One day training "Biological Management of Root-Knot nematodes on Vegetables" on **10 October 2012** Organized by Punjab Agricultural Research Board and Department of Plant Pathology, University of Agriculture, Faisalabad.
- Two days training workshop on "Project Formulation" from **20-21 JUNE, 2012** at Bahauddin Zakariya University, Multan Organised by Pakistan Science Foundation, Islamabad.
- Four days Training Workshop on "Identification of Plant Pathogenic fungi and Identification and demonstration of Plant Parasitic and Beneficial Nematodes from" **8-11 February, 2011** organised by Department of Plant Pathology, University of Agriculture, Faisalabad.
- Four days training workshop on "Statistical Modeling of improving the Standards of Research and Education for University Professionals" from **23-25 January, 2012** at University College of Agriculture, B.Z.U., Multan.
- A one day Training on Effective Official Correspondence on **16 October 2010** organised by National Productivity Organisation.
- A one day "Teachers Training Workshop" **on 19 December, 2009** organised by Iqbal Academy Pakistan.

- Two weeks "International Training workshop on Nematoode Identification" fom **22 nd October to 3 rd November, 2007** organised by Pakistan Society of Nematologists at National Nematological Research Centre, University of Karachi, Karachi
- A one day "Training of Presiding Officers" **on 26 January, 2007,** conducted by UNDP and Election Commission of Pakistan.
- Four weeks services rendered to "National Cadet Corps and Women Guards" on different occasion from **20-11-1989 to 18-12-1990** in NCC Trg Team No. 106 Govt. Degree College with A Company at Khanewal.

TRAINING PROVIDED: -

- Resource person for one day training workshop on "Potato diseases and their management" **on 16 September 2017**, at Syngenta Ware House, Sahiwal organized by Syngenta Pakistan Limited.
- Resource person for two days workshop on "Identification and Demonstration of Plant Parasitic and beneficial nematodes**" from 10-11 February, 2011** organised by Department of Plant Pathology, University of Agriculture, Faisalabad.

CONFERENCES ATTENDED: -

- Three days 7th International Conference of Pakistan Phytopathological Society, "Plant Health for Sustainable Agriculture", A focused approach for food security under changing climate, November 21-23, 2021 at University of Agriculture, Faisalabad.
- Three days VII Turkish Plant Protection Congress with International Participation from 14- 17 November, 2018 held in Mugla, Turkey.
- Three days 6th International Conference of Pakistan Phytopathological Society, "Plant Health for Sustainable Agriculture", A focused approach for food security under changing climate, November 20-22, 2017 at Bahauddin Zakariya University, Multan and Central Cotton Research Institute, Multan.
- Three days International Conference on malnutrition, "Malnutrition Kills and food expo", April, 19 to 21, 2016 organised Institute of Food Science and Nutrition, Department of Horticulture, Bahauddin Zakariya University, Multan.
- Three days 5th International Conference on Pakistan Phytopathological Society, "Crop Management for Sustainable Agriculture", November 23-25, 2015 at Institute of Agricultural Sciences, University of the Punjab, Lahore.
- Three days International Conference on Citriculture, "Challenges and Management", February11-13, 2015, Department of Horticulture, Bahauddin Zakariya university, Multan.

- Two days 8th National Conference, PPS on "Challenges and Options for Plant Health Management" from November 28-29, 2011 at University of Agriculture, Faisalabad.
- Three days 3rd International Conference on Plant Pathology from 19-21 November 2007 at Department of Mycology and Plant Pathology, University of the Punjab, Lahore.
- Three days 6th National Nematological Conference in Pakistan from 25-27 April, 2006 on "Integrated Nematode Management", at National Nematological Research Centre, University of Karachi, Karachi.

ABSTRACT PUBLISHED/ POSTER PRESNTATIONS

Rehman, A. U., Saffeeullah and U. D. Umar. 2018. Biocontrol potential of *Steinernema karusei* against insect pests of cotton under in-vitro conditions at VII Turkish Plant Protection Congress with International Participation from 14-17 November held in Mugla, Turkey.

Umar, U. D., **A. U. Rehman,** S. M. Zaka and S. A. H. Naqvi. 2018. Quick real time detection of citrus huanglongbing associated with *Candidatus* Liberibacter *asiaticus* by rt-lamp from crude DNA of psyllids and citrus leaves at VII Turkish Plant Protection Congress with International Participation from 14-17 November held in Mugla, Turkey.

Rehman, A. U., M. Siddique, U. Umar, S.A.H. Naqvi,and R. Perveen, S. Chohan and S. M. Khan. 2017. Pathogenicity and in vitro evaluation of fungicides against *Alternaria citri*, the causal agent of citrus brown spot in Southern Punjab, Pakistan at 6th International Conference of Pakistan Phytopathological society held from November 20-22 at Bahuddin Zakariya University, Multan, and Central Cotton Research Institute, Multan.

Rehman, A. U., S.A.H. Naqvi, U. Umar, R. Ahmad, A. Ali, M. Afnan and A. Raza. 2017. Evaluation of various lines of wheat and epidemiology against loose smut (*Ustilago tritici*) at 6th International Conference of Pakistan Phytopathological society held from November 20-22 at Bahuddin Zakariya University and Central Cotton Research Institute, Multan.

Naqvi, S.A.H., R. Perveen, U. Umar, S. Chohan, **A. U. Rehman,** M. Abid, M. Karim. 2017. Effect of botanical extracts, a potential biocontrol agent for *Xanthomonas oryzae pv. oryzae* causing bacterial leaf blight of rice at 6th International Conference of Pakistan Phytopathological society held from November 20-22 at Bahuddin Zakariya University, Multan, and Central Cotton Research Institute, Multan.

Sajjad, P., **A. U. Rehman,** T, Malik, U. Umar, S.A.H.Naqvi. 2017.Evaluation of polyembryonic mango germplasm against mango sudden death (MSD) through inoculations at 6th International Conference of Pakistan Phytopathological society held from November 20-22 at Bahuddin

Zakariya University, Multan, and Central Cotton Research Institute, Multan.

Ilyas, N., U. Umar, S.A.H.Naqvi and **A. U. Rehman**. 2017. Enhancing resistance in mungbean against Mungbean yellow mosaic begomo virus by exogenous application of salicylic acid and benzithidazole at 6th International Conference of Pakistan Phytopathological society held from November 20-22 at Bahuddin Zakariya University, Multan, and Central Cotton Research Institute, Multan.

Naqvi, S.A.H., U. Umar, **A. U. Rehman,** and R. Perveen. 2015. Prevelance and detection of CTV, HBL, and CVC in citrus groves of Southern Punjab. in International Conference on Citriculture, Challenges and Management, held from February 11-13 at Bahuddin Zakariya University, Multan (Poster presentation).

TEXT BOOK/ CHAPTER WRITTEN: -

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

- Naqvi SAH, **Rehman, A.U.,** Chohan, S. Umar, U. D., Mehmood, Yasir and Mustafa, G. 2023. Sustainable development in Agriculture Beyond the Notion of Minimizing Environmental Effects. In: Ahmad, M., Ahmad, S., (eds.) Disaster Risk Reduction in Agriculture. Disaster Resilience and Green Growth. Springer, Cham. Pp. Crop protection under climate change: the effect on tri-trophic relations concerning pest control. In: Jato. W. N., Mubeen, M., Hashmi, M.Z. Ali, S., Fahad, S., Mahmood, K. (eds.) Climate change impacts on Agriculture. Springer, Singapore. Pp. 147-168.

- **Rehman, A. U.**, M. M. A. Bhatti, U. Umar and S.AH., Naqvi. 2020. “Cotton diseases and disorders under changing climate” in “Cotton production and uses, Agronomy, crop protection, and post harvest technologies” published by Springer Nature Singapore.

- Ahmad, S. M. Ibrahim, R. K. Muhammad, I. Naseem, R. Idress and **Rehman, A. U.** 2107. Monitoring of Antibiotics and Antibiotic Resistance Genes in Agroecosystem” “Antibiotics and Antibiotics Resistance Genes in soils:

Monitoring, Toxicity, Risk Assessment and Management". Volume No. 50. Published by Springer International.

AWARDS: -

- One laptop was awarded by the Govt. of Punjab, on merit in 2013.

PROJECTS AWARDED: -

- Trends in occurrence and integrated management of mango sudden death disease (MSD) in Punjab, Pakistan of Rs. 0.295 million during 2017-18 by Directorate of Research and External Linkages, B. Z. University, Multan.

- Biocontrol potential of *Steinernema kraussei* against insect pests of cotton of Rs. 0.2 million during 2016-17 by Directorate of Research and External Linkages, B. Z. University, Multan.

- Identification and management of pathogens associated with citrus fruit blemishes of Rs. 0.126 million during 2015-16 by Directorate of Research and External Linkages, B. Z. University, Multan.

- Identification, distribution and characterization of virus and virus like diseases of citrus in Southern Punjab of Rs. 0.5 million during 2012-13 by Higher Education Commission. Islamabad, Pakistan.

- Identification of citrus greening disease and its management through chemicals of Rs. 0.098 million during 2012-13 by Directorate of Research and External Linkages, B. Z. University, Multan.

- Survey and Integrated management of plant parasitic nematodes in fruits and vegetables of Rs. 1.610 million during 2004-2007 by ADP, Govt. of Punjab, Pakistan.

MEMBERSHIP OF SCIENTIFIC SOCIETIES: -

- Pakistan Phytopathological Society.
- Pakistan Society of Nematologists.
- American Phytopathological Society

ADMINISTRATIVE ASSIGNMENTS: -

- Member Department surveillance Committee (2020)

- Member Admission and Prospectus Committee (2020)
- Focal Person of the department for the preparation of departmental self assessment report (2019)
- Member Departmental Technical Review Committee (DTRC) (2019)
- Member Technical Purchase Committee (2019)
- Member Board of Studies in Plant Pathology (2019)
- Member Organizing Committee of Mango Festival (2018)
- Coordinator of M.Phil. Programme of Plant Pathology (2017-18)
- Member Synopsis Evaluation Committee (2016)
- Coordinator of B.Sc (Hons.) Agriculture Programme (2015-16)
- Member of Board of Studies (2015-18)
- Duties during summer vacation 2015 (In charge building and Checking of stock of laboratory of the department)
- Coordinator of M.Phil. Programme of Plant Pathology (2014-15)
- Coordinator of B.Sc (Hons.) Agriculture Programme (2014)
- Member Lawn & Building Management Committee (2014-15)
- In charge Examination (2014)
- Member of Departmental Purchase Committee (2013-15)
- Departmental DSA
- Member of Examination Committee
- Member of Admission Committee
- Member of Board of Studies (2012-15)
- Member of Departmental Purchase Committee (Department of Entomology)
- Member of Board of Studies (2011-12)
- In charge of Entomology and Plant Pathology building
- Time table and date sheet duties of the faculty
- Look after charge of the department (07-12-18, 5-8 Novemer18, 24-28-September 18, 28 May18 to 14 June 18, 09-06-16 to 05-07-16, 10-11 May 2015, 26-28 May 2014, 23-27 Sep. 2013,)

STUDENTS SUPERVISION

Ph. D students under supervision (Thesis write up)**: (01)**

1. Supervisor of Ph. D student working on "Trends in occurrence and integrated management of mango sudden death disease (MSD) in Punjab, Pakistan.

Postgraduate students Supervised: (23)

1. Effect of macronutrients, micronutrients and bio-fertilizer on various diseases of bitter gourd (2021).
2. Effect of plant nutrition on cucumber diseases in tunnel (2021).
3. New decline expressions in Mango (2019).
4. Evaluation of wheat varieties/ lines against yellow rust (2019).
5. Management of wilt of cotton caused by *Fusarium oxysporum* f. sp. *vasinfectum* (2019).
6. Characterization and management of pathogen associated with the anthracnose of citrus fruit (2019).
7. Studies on resistance in mango genotypes to floral diseases (2019).
8. Exploitation of *Steinernema glasseri* against insect pest of cotton and mango under *in vitro* conditions (2019).
9. Screening of polyembryonic varieties of mango against *Ceratocystis manginecans*, a cause of sudden death of mango (2017).
10. Exploitation of Entomopathogenic Nematodes potentials against the aphids of wheat and crucifers (2017).
11. Trigging plant defense mechanisms in cucumber and tomato through SA and BTH against *Meloidogye* spp. (2016).
12. Biocontrol potential of *Steinernema krusai* against the insect pests of cotton under *In Vitro* conditions (2016).
13. Isolation, identification and management of Citrus Scab caused by *Elsinoe fawcetii* (2016).
14. *In vitro* Evaluation of fungicides, Plant extracts and nano particles against Citrus brown spot caused by *Alternaria citri (2015).*
15. Screening of wheat germplasm against loose smut (*Ustilago tritici*) (2014).
16. Management of yellow and brown rusts of wheat (2014).

17. Mitigating *Cotton leaf curl virus* through induced resistance (2014).

18. Integrated management of late blight of potato (2014).

19. Recycling of Lignocellulosic Agricultural wastes of Southern Punjab by *Oyster* mushroom (2013)**.**

20. Screening of wheat germplasm against brown rust (2013).

21. Screening of wheat germplasm against yellow rust (2012).

22. Evaluation of fungicides against mango anthracnose and stem end rot (2012).

23. Management of dieback disease of mango (2012).

REVIEWING MANUSCRIPTS:-

- Reviewer- Pakistan Journal of Nematology

REFERENCES:-

1. Prof. Dr. Nazir Javed
   Chairman Department of Plant Pathology,
   University of Agriculture, Faisalabad.
   Cell # 00923217683902
   Email: nazirpp2003@yahoo.com

2. Prof. Dr. Tariq Mukhtar
   Chairman Department of Plant Pathology,
   PMAS-Arid Agriculture University, Rawalpindi,
   Cell # 00923017194205
   Email: drtmukhtar@uaar.edu.pk

DEMONSTRATION/ ADVISORY SERVICES: -

- To visit the nearby agricultural areas and provide them advisory services with demonstration.

COMMUNICATION & COMPUTER SKILLS: -

- Effective and fluent communication in English.
- Good interpersonal skills and problem handling abilities.
- Ability to lead a group also having team work skills.
- Can manage multiple assignments efficiently when necessary.
- Initiate communication & establish successful relation with co-workers.
- Good command on Microsoft Office, Windows Xp.