






Curriculum vitae

PERSONAL INFORMATION

Mr. Muhammad Tariq Manzoor
Lecturer



 Institute of Agricultural Sciences, University of the Punjab,, Lahore (Pakistan)
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Date of birth 05 May 1983 **Sex** Male | **Nationality** Pakistani | **Religion** Islam | **CNIC**34502-4490494-1
Postal Address Gulistan colony, Muhallah Chaudhrian, Shakar Garh.Distt: Narowal

Career Objective: Focusing my potential to work in a dynamic organization where I can explore and polish the innate expertise and be lucrative by manipulating challenges, tough tasks and creating competent environment amongst employees to ensure higher levels of excellence.

Education & Training

08/04/2016–Conti..... Presently Working as Lecturer, Institute of Agricultural Sciences,University of the Punjab

Ph.D (Plant Virology)

University of the Punjab

HEC Fellowship (IRSIP), University of Arizona, USA

Thesis Title

“Cotton infecting mastreviruses,its discovery and study on its molecular and biological aspects”

M.Sc (Plant Pathology)

1st Division

University of the Punjab, Lahore (Pakistan)

Thesis Title

“Biosorption potential of *Aspergillus niger* and *Rhizopus Arrihizus* for heavy metals from electroplating industrial effluents”.

B.Sc(Plant Pathology)

1st Division

University of the Punjab, Lahore (Pakistan)

Report Topic

“Symptoms of viral Diseases on Plants”

F.Sc

2nd Division

Govt.Degree College For Boys , Shakargarh (Pakistan)

Matriculation

1st Division

Govt Hihg School Shakargarh

Work Experience

- Working as **LECTURER (From 11-04-2016 Continued...)** in Institute of Agricultural Sciences, University of the Punjab, Lahore, Pak.
- Worked as **RESEARCH OFFICER** in Virology Section(**From 1st May 2012 to 10th April 2016**) of IAGS and main responsibilities were
 - Conducting Research to the students of M.Sc (hons) and B.Sc (hons).
 - Teaching assistance to the graduate student.
 - Identification of Different viral diseased samples from all over the Country
 - Sample processing of different plants material from all over the Country
- Worked as **RESEARCH SCHOLAR (From 06-04 2011 to 30-04-2012)** in Virology Lab of Institute of Agricultural Sciences and main responsibilities were
 - Conducting Research to the students of M.Sc. (Hons.) and B.Sc(Hons).
 - Teaching assistance to the graduate student.
 - Practical assistance to student on introductory pathology especially in Virology Section.

MS Students Being Supervised

- **Miss Nida Rafaqat**
MSc(Hons)Session(2015-2017)
 - **Topic of Research:**A Study on Diversity of Xanthomonas “Causal Organism of Bacterial Leaf Blight” and Study on its Molecular Characteristics.
- **Mr.Muhammad Rizwan Afzal**
MSc(Hons)Session(2015-2017)
 - **Topic of Research:** “Variation In Gene Expression OF Multigenic Cotton Variety MNH-786”.
- **Harrem Khalid**
MSc(Hons)Session(2015-2017)
 - **Topic of Research:**Quality Perpetuation and Shelf Life Enhancement Of Cucumber(Cucumis sativus L)By Different Medicinal Plant Extracts And Synthetic Chemical.

BS Students Supervised

- **Muhammad Arslan**
BSc(Hons)Session(2013-2017)
 - **Internship Report Title:** Study of Auriga’s Chemicals related to Plant Protection.
- **Ailya Azher**
BSc(Hons)Session(2013-2017)
 - **Internship Report Title:** “DNA barcoding data base Development(Bioinformatics)”.

Courses Taught

- Plant Virology
- Introductory mycology
- Diseases of Vegetable Crops
- Introduction to Plant Viruses
- Introductory Plant Pathology
- Introduction to molecular Plant pathology
- Introduction to Range and Forest Pathology
- Introduction to Soil-Borne Pathogens and their Management

Core Skills

- Self-motivated and self-disciplined.
- Management of projects at different levels.
- Basic laboratory techniques of Molecular Plant Virology
- Strong presentation, coordination, inter-personal and team building skills
- Conceiving and planning social and cultural activities in the different settings.

Interests

- Reading Books (Islamic, Historic, Biographies)
- Cricket, football, Badminton, Volleyball
- Hiking, Driving and tour adventures

Conferences Attended

- Attended the international Conference on Green Punjab & CPEC held on 10th May 2017 in Pearl Continental Hotel Organized by Institute of Agricultural Sciences.
- Attended the international Conference on Agriculture, Food Security and Biotechnology held on 26th-27th April 2017 in National Institute For Genomics And Advanced Biotechnology(NIGAB) NARC Islamabad.
- Attended the National Conference on Challenges and Opportunities to Boost Agriculture In Changing Climate Organized by College of Agriculture Campus, BZU, Bahadur Sub-Campus Layyah on 29th-30th March 2017.
- First International Conference on Emerging Trends in Earth and Environmental Sciences Held in CEES on 09th-10th March 2017.
- 5th International/10th National Conference of Pakistan Phytopathological Society: Crop Protection for Sustainable Agriculture, Held at IAGS on 23rd-25th November 2015.

- 2015 APS Conference held in Pasadena, California, USA, 1st-5th August 2015.
- All Pakistan Society of Food Scientists & Technologists Conference held at PCSIR Laboratories Complex Feroz-Pur Road, Lahore on 16th-17th March 2015.
- International Conference on Chemical, Agricultural, and Biological Sciences, Held at Planetary Scientific Research Centre, Antalya, Turkey on 09th-10th October 2014.
- 5th International Conference on Agriculture, Food Security and Climate Change, Held at University of Poonch Rawalakot on 9th-11th September 2014.
- International Conference on Stress Biology and Biotechnology: Challenges and Management Held at IAGS on 21st-23rd May 2014.
- International conference of Pakistan Phytopathological Society “Climate Change and Plant Disease: Challenges and Opportunities” Held at University of Karachi on 23rd-25th January 2014.
- Infectivity analysis of strain F of chickpea chlorotic dwarf virus (mastrevirus) isolated from cotton in Nicotiana benthamiana plants Muhammad Tariq Manzoor, Muhammad Ilyas, Muhammad Shafiq, Muhammad Saleem Haider, Ayesha Bibi, Sehrish Mushtaq at The 7th International Geminivirus Symposium & 5th International ssDNA Comparative Virology Workshop Hangzhou, China. 3rd-9th November 2013.
- 1st National conference on “Prospects and Opportunities for Agricultural Development in Pakistan” held on 25th-27th June 2013 at Khanispur-Ayubia.
- 1st National Conference on Prospects and Opportunities for Agricultural Development in Pakistan Held at University of Haripur on 25th-27th June 2013.
- 8th National conference of Pakistan Phytopathological society from 28th – 29th of November 2011. On Challenges and options for plant health management. Held at University of Agriculture, Department of Plant Pathology, Faisalabad.
- Third International Conference on Plant Pathology & Future Food Security, 19th-21st November 2007 Organized by Pakistan Phytopathological Society at the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.

Workshops & Summits Attended

- Attended Training Workshop on Floriculture Held in Institute of Agricultural Sciences, PU. on 21st March 2017.
- Participated as Organizer in Agri-Expo Organized by Dawn group of Newspaper “The Dawn SARSABZ PAKISTAN” held on 23th-25th March 2017.
- Invention to Innovation Summit held at University of the Punjab on 8th -9th March 2017.
- Invention to Innovation Summit 2013 +UIP Exhibition of Indigenous Technologies at University of the Punjab 9-10 February 2017.
- Training Workshop on Advanced Presentation Skills for MS/PhD Scholars, Held at IAGS on 19th May 2016.
- Training Workshop on Cotton Leaf Curl Disease (CLCuD) Diagnostic and Resistance, Held at Institute of Agricultural Sciences, University of The Punjab on 26th-28th August 2013.
- Two days’ Workshop on Faculty Professional Training for the Core Modules: Teaching as a Profession & Communication Skill 19th-20th June 2013.
- Two days Invention to Innovation Summit 2013 + UIP Exhibition of Indigenous Technologies. Held at University of The Punjab 9th-10th April 2013.

- Agri-Expo Organized by Dawn group of Newspaper “The Dawn SABSABZ PAKISTAN” held on 12th-13th February 2013.
- 2nd one day National Workshop on young researchers Skill Development in entitled “2nd one day Workshop on young researchers Skill Development” organized by national Academy of Young Scientist (NAYS), Pakistan held on 7th January 2012 at Islamic Centre, University of the Punjab, Lahore, Pakistan.
- Workshop to create awareness about Kitchen Gardening, held at Lahore Chamber of Commerce Lahore in January 2012, organized by the Ministry of Agriculture, Govt. of Punjab.
- One Day Workshop on Young Researchers Skill Development and NAYS Emerging Ideas Conference (NAYS-EIC), Held at University of The Punjab, Lahore on January 07, 2012.
- Biosafety Training Workshop for Young Scientists, Held at University of Lahore on 9th July 2011.

Seminars & Symposia Attended

- Organized an International Seminar on “Sustainable Crop Production For Food Security Under Climate Change” on 18th April 2017 at Institute of Agricultural Sciences, PU.Lahore.
- Attended one day seminar on Awareness on Halal Food & its Hygiene at Institute of Agricultural Sciences on 29th March 2017.
- International seminar on Sustainable production of Maize and Fodder Crops, Held at IAGS on 10th January 2017.
- An Introduction to Next Generation Sequencing and Its Application In Agricultural Sciences, Held at IAGS on Tuesday 14th April 2015.
- Attended Two days seminar on Awareness Seminar on Food Safety & Hygiene at Institute of Agricultural Sciences on 13th November 2014.
- International Symposium on Molecular Forensic: Emerging Trends, Held at University of Health Sciences on 29th May 2014.
- One day National Seminar on Developing Local Food Additives/Preservations, 2012 Participated in National Seminar entitled “Developing Local Food Additives/Preservatives” organized by Institute of Agricultural Sciences, PSFST-Lahore and Institute of Research Promotion (IRP), held on 22nd November, 2012 at Al-Razi Hall, University of the Punjab, Lahore, Pakistan.
- Two day Workshop on Pak-US Productivity Enhancement, 2012 Participated in International Workshop entitled “Pak-US Productivity Enhancement Workshop, 2012” organized by International Centre for Agriculture Research in the Dry Areas (ICARDA), held on 03rd-04th September 2012 at National Agriculture Research Centre (NARC), Islamabad, Pakistan.
- 3 days National Young Scientist Workshop on “Primer Recombinant Technology”.
- 1st International Symposium on Biofertilizers and Biocontrol Technology, Organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore in collaboration with National Productivity Organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25th-27th July 2005.
- HEC workshop on Identification and Conservation of Micromycetes, 23rd-28th August 2004, organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.

- HEC symposium on awareness of Parthenium weed, 6th-7th August 2004, Lahore. Organized by the Department of Mycology and Plant Pathology, University of the Punjab, Lahore.

Academic Achievements

Trainings

- Completed Six months HEC Fellowship of International Research Initiative training program (IRSIP) in School of Plant Sciences College of Agriculture and Life Sciences, University of Arizona, Tucson, USA.
- Completed General Laboratory Chemical Safety Training with 88.71% Score on June 05, 2015 Offered By Office Of Radiation, Chemical & Biological Safety (ORCBS), In University of Arizona, Tucson, USA.
- Completed Plant Harvest Protection Course on June 18, 2015 Offered By Office Of Radiation, Chemical & Biological Safety (ORCBS), In University of Arizona, Tucson, USA.
- Floral Arrangement Competition winner, held in 14th April 2006, at Department of Mycology and Plant Pathology, University of the Punjab, Lahore.

Books Published

- **Manzoor M. T.**, Shoaib A., and, Bajwa R. (2011). Biosorption of electroplating heavy metals by fungi. VDM Verlag Dr. Muller GmbH & Co. KG Dudweiler Landstr. 99, 66123 Saarbrücken, Germany, ISBN: 978-3-639-35883-4.
- Anwar W., Bibi A., and **Manzoor M. T.**, (2011). Production of Alpha Amylase from *Aspergillus niger*. ISBN: 978-3-639-38016-3, paperback, 52 Pages. Publisher: VDM Verlag Dr. Muller GmbH & Co. KG Dudweiler Landstr. 99, 66123 Saarbrücken, Germany.

Paper Publications

- Muhammad Shafiq, Siama Arif, Ayesha Bibi, Muhammad Ali, Muhammad Saleem Haider, Muhammad Ashfaq, Shahbaz Ahmad, **Muhammad Tariq Manzoor**, Muhammad Shahzad, Asma Tanveer and Aleem Ahmad (2016). Detection and Geographical Distribution of Wolbachia ENDOSYMBIONT in the Natural Populations of Cotton Leafhopper, (*Amrasca devastans*) in Pakistan. Pakistan Journal of Entomologist.
- Ayesha Bibi, Muhammad Shafiq, Siama Arif, Asma Tanveer, **Muhammad Tariq Manzoor**, and Muhammad Saleem Haider, (2016). First report of the molecular characterization of the endosymbiont candidatus, *Portiera alevrodidarum* from cotton whiteflies collected from Pakistan. International Journal of Agriculture & Biology, 18: 282-285. (Impact Factor: 0.758).
- Ayesha Bibi, Muhammad Shafiq, Siama Arif, Asma Tanveer, **Muhammad Tariq Manzoor**, and Muhammad Saleem Haider, (2015). First report of the molecular characterization of the endosymbiont Candidatus *portiera Aleyrodidarum* from cotton whiteflies collected from Pakistan. International Journal of Agriculture & Biology, DOI: 10.17957/IJAB/15.0083. (Impact Factor: 0.902).
- Identification of a new strain of Chickpea chlorotic dwarf virus (a Mastrevirus) in leaf curl diseased cotton plants, archive of virology, 2014. **Muhammad Tariq Manzoor**. Muhammad Ilyas. Muhammad Shafiq. Muhammad Saleem Haider. Rob W Briddon (Impact factor: 2.390).

- Nickel and Copper removal by chemically treated biomass of *Rhizopus arrhizus*. Pakistan Journal of Phytopathology, Vol. 21 No 1: 45-48, 2009. **Muhammad Tariq Manzoor**. Amna Shoaib ,Prof.DR Rukhsana Bajwa.
- Biosorption of heavy metals by pretreated biomass of *Aspergillus niger*. Pakistan Journal of Botany, Vol. 43 (1): 419-425, 2011 Amna shoaib,**Muhammad Tariq Manzoor**. Prof dr Rukhsana Bajwa.
- Mycoremediation of Copper and Nickel. African Journal of Microbiology Research, Vol. 6 (1).....2012. **Muhammad Tariq Manzoor**. Amna shoaib. Prof.dr Rukhsana Bajwa.

Publications in Process

- Chickpea Chlorotic Dwarf Virus Coat Protein Gene Expressive Effects Against Host Species
Muhammad Tariq Manzoor,DR. Muhammad Shafiq,Moazzam Anees,Dr Shahbaz ahmad,Dr Sajid Ali,Dr Muhammad Saleem Haider.
- Dissecting plant Diversity in a local Punjab flora using the matK DNA barcode
Muhammad Tariq Manzoor, Muhammad Shafiq, Muhammad Saleem Haider, Ayesha Bibi.
- Infectivity analysis of strain F of chickpea chlorotic dwarf virus (mastrevirus) isolated from cotton in *Nicotiana benthamiana* plants **Muhammad Tariq Manzoor**, Muhammad Ilyas, Muhammad Shafiq, Muhammad Saleem Haider, Ayesha Bibi, Sehrish Mushtaq.
- Effects of humic acid and foliar NPK in potato fields. Proc: International conference on prospects and challenges to sustainable agriculture. 14-16th July, 2011, (Rawlakot, AJK) pp: 59. Waheed Anwar,Salik nawaz khan,Ayesha bibi,**Muhammad Tariq Manzoor**, Muhammad Ilyas, Muhammad Shafiq, Muhammad Saleem Haider, Ayesha Bibi, Sehrish Mushtaq

Extracurricular Achievements at IAGS

- Convener of student alumina committee of IAGS.
- Life time member, Pakistan Association of Young Agri Scientists.
- Member of placement bureau of Institute Of Agricultural Sciences.
- Sub-Editor, Agri News,An official Publication of IAGS, University of the Punjab, Lahore, Pakistan.
- Member of the departmental admission committee 2015, 2016.
- Member of the departmental admission committee 2014, 2015.
- Member of the departmental admission committee 2013, 2014.
- Captain of IAGS cricket team of sports gala,2017
- Captain of IAGS cricket team of sports Gala,2016
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- Captain of IAGS cricket team of sports Gala,2013
- Captain of IAGS cricket team of sports Gala,2012
- Captain of IAGS cricket team of sports Gala,2011

Extracurricular Achievements at IAGS

- Assistant Superintendent, Boys Hostel No. 11 since February, 2011.
- Member of discipline maintenance committee Boys Hostel No. 11
- Member of maintenance committee Boys Hostel No. 11.

References will be furnished on Demand.