

# CURRICULUM VITAE

## NADEEM SHAD

6<sup>TH</sup> APRIL 1981, PAK

**Address:** FACULTY MEMBER, Department of Plant Pathology (DPP); Faculty of Agricultural Sciences (FAS), Quaid-I-Azam campus, University of the Punjab, Lahore. 54590.

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**Agricultural Scientist & Academician with over 21 years of teaching and research experience, both professionally focused & research oriented. I am ambitious about my career i.e. both challenging and rewarding.**

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### EXPERIENCE DETAILS

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Department of Mycology & Plant Pathology (MPPL) / Institute of Mycology and Plant Pathology (IMPP) PU; LHR, Pakistan Jan 2005 to March 2009  
**Job Title:** Faculty Member

- Teaching experience of various courses at undergrad and grad level.
- Research supervision of undergrad internship projects and grad dissertations projects.
- Member of institutional committees regarding admissions, exams, seminars, workshops, conferences, and study visits of undergrad and grad classes.
- Served as ‘Assistant Superintendent in Boys Hostel No. 15, Quaid-i-Azam Campus, PU; LHR.
- Credited for the key elements of institutional labs, green house, field surveys, and experimental area infrastructure.

Department of Plant Biology and Forest Genetics (VBSG), Uppsala BioCenter, SLU, Uppsala, Sweden March 2009 to July 2013  
**Job Title:** Visiting Research Scholar

- Teaching experience of various courses and instructing lab exercises at undergrad grad level.
- Research supervision of undergrad internship projects and grad dissertations projects.
- Coordination of Ultuna student union’s PhD students’ council (ULS); SLU as vice-president.
- Credited for the key elements of VBSG labs, green house, Growth chambers, field surveys, and experimental area infrastructure.
- Overall responsibility of research projects in collaboration with Formas, LRF, Jordbruksverket, and Lantmännen.
- Responsible for the motivation and professional development of 10 members of lab staff.

Institute of Agricultural Sciences (IAGS), PU, LHR, Pakistan July 2013 to February 2021  
**Job Title:** Faculty Member

- Teaching experience of various courses and conducting lab exercises at undergrad & grad level.
- Research supervision of undergrad internship projects and grad dissertations projects.
- Member of institutional committees regarding admissions, exams, seminars, workshops, conferences, study visits of undergrad and grad classes, and annual sports gala of IAGS.
- Member of ‘Board of Faculty for Life Sciences Faculty’ of University of the Punjab, Lahore.
- Member of ‘Board of Studies (BoS) of IAGS, FLS’ of University of the Punjab, Lahore.
- Served as ‘Assistant Superintendent in Boys Hostel No. 14, Quaid-i-Azam Campus, PU; LHR.
- Credited for the key elements of IAGS labs, green house, Growth chambers, field surveys, and experimental area infrastructure.

Department of Plant Pathology (DPP), Faculty  
of Agricultural Sciences (FAS), PU, LHR,  
Pakistan

February, 2021 to Date

**Job Title:** Faculty Member

- Teaching experience of various courses and conducting lab exercises at undergrad & grad level.
- Research supervision of undergrad internship projects and grad dissertations projects.
- Member of departmental committees regarding admissions, exams, seminars, workshops, conferences, DPP QEC, study visits of undergrad and grad classes and annual sports gala of DPP.
- Member of 'Board of Studies (BoS) of DPP, FAS' of University of the Punjab, Lahore.
- Member of 'Board of Faculty (BoF) for Agricultural Sciences Faculty' of University of the Punjab, Lahore.
- Credited for the key elements of DPP labs, green house, Growth chambers, field surveys, and experimental area infrastructure.

## ACADEMIC BACKGROUNDS

Agricultural Sciences (PhD)	University of the Punjab, Lahore	Year completed: in progress
Plant Virology (M. Sc. (Hons.))	UA Faisalabad	Year completed: 2004
Plant Pathology (B.Sc. (Hons.))	UA Faisalabad	Year completed: 2002
Pre-medical (FSc)	BISE D.G. Khan	Year completed: 1997
Science group (SSc)	BISE D.G. Khan	Year completed: 1995

## PROFESSIONAL DEVELOPMENT

Microsoft office user specialist, Use of Endnote, Mendeley, SPS, GraphPad Prism, Windows 5.04, Photoshop, Flash & dreamweaver 8, HTML, Cascading style sheets (CSS), Search engine optimization (SEO), Seamonkey and Bioinformatics softwares (NCBI, EBI, SIB Expaty databases sequences alignment, PHYML, NGS, DNA star, primer design, U gene etc.), Chemistry softwares (ChemDraw, chemsketch, PubChem etc.).

## TEACHING:

YEAR	SUBJECTS TAUGHT
Sep. 2005-Feb. 2006	Fundamentals of Agriculture & Agronomy, B.Sc. (Hons) 1 <sup>st</sup> semester. Agricultural Entomology, B.Sc. (Hons) 3 <sup>rd</sup> Semester. Insect and Plant Diseases, M.Sc. (Hons) 3 <sup>rd</sup> Semester.
Mar. 2006-Sep. 2006	Agricultural Nematology, B.Sc. (Hons) 4 <sup>th</sup> Semester. Fundamentals of Horticulture, B.Sc. (Hons) 7 <sup>th</sup> Semester. Technology Transfer and Mass Communication in Agriculture, B.Sc. (Hons) 7 <sup>th</sup> Semester. Phytonematology, M.Sc. (Hons) 4 <sup>th</sup> Semester.
Oct. 2006- Mar. 2007	Agricultural Entomology, B.Sc. (Hons) 3 <sup>rd</sup> , 6 <sup>th</sup> & 8 <sup>th</sup> Semesters. Insect and Plant Diseases, M.Sc. (Hons) 3 <sup>rd</sup> Semester. Field Crop Production, B.Sc. (Hons) 2 <sup>nd</sup> Semester.
April 2007- Sep. 2007	Abiotic Diseases, B.Sc. (Hons) 4 <sup>th</sup> Semester. Phytopathogenic Bacteria and Viruses, B.Sc. (Hons) 4 <sup>th</sup> Semester. Technology Transfer and Mass Communication in Agriculture, B.Sc. (Hons) 7 <sup>th</sup> Semester.
Oct. 2007-Feb. 2008	Fundamentals of Agriculture & Agronomy, B.Sc. (Hons) 1 <sup>st</sup> semester.

- Technology Transfer and Mass Communication in Agriculture, B.Sc. (Hons) 7<sup>th</sup> Semester.  
 Insect and Plant Diseases, M.Sc. (Hons) 1<sup>st</sup> & 3<sup>rd</sup> Semesters.
- Mar. 2008- July. 2008 Phytoneumatology, M.Sc. (Hons) 2<sup>nd</sup> & 4<sup>th</sup> Semesters.
- Sep. 2008- Feb. 2009 Fundamentals of Agriculture & Agronomy, B.Sc. (Hons) 1<sup>st</sup> semester.  
 Insect and Plant Diseases, M.Sc. (Hons) 1<sup>st</sup> semester & M. Phil leading to Ph D 1<sup>st</sup> Semester.
- Mar. 2009 - July 2013 Technology Transfer and Mass Communication in Agriculture, B.Sc. (Hons) 7<sup>th</sup> Semester.  
 Biology for engineers, Plant virology, Ecology of plant viruses, Principles of plant virology, Plant microbe interactions, Plant disease epidemiology & Molecular evolution (BS & MS students of Uppsala and SLU universities in Sweden).  
 Fungal Systematics, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester
- Sep. 2013 - Feb. 2014
- Mar. 2014 - July. 2014 Integrated Plant Disease management, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Beneficial Microbes in Sust. Agriculture, B.Sc. (Hons.) Agriculture- Plant Pathology 5<sup>th</sup> semester.
- Sep. 2014 - Feb. 2015 Diseases of Vegetables Crops, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Abiotic Diseases, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.
- Mar. 2015 – July 2015 Plant Bacteriology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Introductory Mycology, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Diseases of Vegetables Crops, B.Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.
- Sep. 2015 - Feb. 2016 semester.  
 Insects in relation to Plant Diseases, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.  
 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester
- Mar. 2016 – July 2016 Abiotic Diseases, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Soil-borne Plant Pathogens, B.Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.
- Sep. 2016 - Feb. 2017 Introductory Mycology, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Diseases of Vegetables Crops, B.Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.
- Mar. 2017 – July 2017 Insects in relation to Plant Diseases, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.  
 Beneficial Microbes in Sustainable Agriculture, B.Sc. (Hons.) Agriculture- Plant Pathology 6<sup>th</sup> semester.
- Sep. 2017 - Feb. 2018 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Plant Bacteriology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.
- Mar. 2018 – July 2018 Introductory Mycology, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Soil-borne Plant Pathogens, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Pesticides, their action and Applications, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.
- Sep. 2018 - Feb. 2019 7<sup>th</sup> semester.  
 Beneficial Microbes in Sustainable Agriculture, B.Sc. (Hons.) Agriculture- Plant Pathology 6<sup>th</sup> semester.
- Mar. 2019 -July 2019 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Plant Bacteriology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.
- Sep. 2019 - Feb. 2020 Introduction to Plant Viruses, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Pesticides, their action and Applications, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Virology, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

March 2020 - July 2020 Beneficial Microbes in Sustainable Agriculture, B.Sc. (Hons.) Agriculture- Plant Pathology 6<sup>th</sup> semester.  
 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.

Sep. 2020 - Feb. 2021 Plant Bacteriology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Introductory Mycology, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.

March 2021 - July 2021 Pesticides, their action and Applications, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Virology, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

Sep. 2021 - Feb. 2022 Introductory Plant Pathology, B.Sc. (Hons.) Agriculture 4<sup>th</sup> semester.  
 Beneficial Microbes in Sustainable Agriculture, B.Sc. (Hons.) Agriculture- Plant Pathology 6<sup>th</sup> semester.

March 2022 - July 2022 Plant Bacteriology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Introduction to Plant Parasitic Nematodes, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.

Sep. 2022 - Feb. 2023 Arid and Rain-fed Agriculture, B.Sc. (Hons.) Agriculture-Agronomy 5<sup>th</sup> semester.  
 Pesticides, their action and Applications, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Virology, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

March 2023 - July 2023 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Plant Nematology (Lab), M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Internship Program Supervision, B.Sc. (Hons.) Agriculture-Plant Pathology 8<sup>th</sup> semester.

Sep. 2023 - Feb. 2024 Introduction to Plant Parasitic Nematodes, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Diseases of Fruits and Ornamentals, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Nematology (Lab), M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

March 2024 - July 2024 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Internship Program Supervision, B.Sc. (Hons.) Agriculture-Plant Pathology 8<sup>th</sup> semester.

Sep. 2024 - Feb. 2025 Introduction to Plant Parasitic Nematodes, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Pesticides, their action and Applications, B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Virology, M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

March 2025 - July 2025 Plant Disease Epidemiology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.  
 Plant Virology, M.Sc. (Hons.) Plant Pathology 2<sup>nd</sup> semester.  
 Internship Program Supervision, B.Sc. (Hons.) Agriculture-Plant Pathology 8<sup>th</sup> semester.

Sep. 2025 - Jan. 2026 Basic Agriculture, B. Sc. (Hons.) Agriculture 1<sup>st</sup> semester (Morning & Replica)  
 Introduction to Plant Parasitic Nematodes, B.Sc. (Hons.) Agriculture-Plant Pathology 5<sup>th</sup> semester.  
 Plant Disease Management (Lab), B. Sc. (Hons.) Agriculture-Plant Pathology 7<sup>th</sup> semester.  
 Plant Nematology (Lab), M.Sc. (Hons.) Plant Pathology 1<sup>st</sup> semester.

March 2026 - June 2026 Introductory Forest and Range Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.

Seed and Postharvest Pathology, B.Sc. (Hons.) Agriculture-Plant Pathology 6<sup>th</sup> semester.

General Entomology, BS-Agribusiness (Self-supporting) 4<sup>th</sup> semester.

Internship Program Supervision, B.Sc. (Hons.) Agriculture-Plant Pathology 8<sup>th</sup> semester.

☞ Participated in field tour programs for B.Sc. (Hons) & M.Sc. (Hons) students to Galliat areas of Pakistan, Kaghan, Naran, Babusar Top, Saiful Malook Lake, Aansoo Lake & Kallar Kahar; important research institutions of Pakistan like National Agriculture Research Centre (Islamabad), Crop Disease Research Institute (Sunny Bank, Murree), Ayub Agricultural Research Institute, Nuclear Institute for Agriculture and Biology, National Institute for Biotechnology and Genetic Engineering, UAF, Gutt wala Forest Park (Faisalabad), Maize and Millet Research Institute, Pioneers Seeds (Pvt.) Limited, Punjab seeds corporation, cotton research station, Potato tissue culture laboratory, Harrapa archeological museum (Sahiwal), Changa Manga Forest (Kasoor), Rana Resorts (Pattoki), Jillani (Race Course) Park and Veterinary Research Institute, Jallo Forest & Safari Park (Lahore) and Walled City (Lahore).

### **SUPERVISION OF M.Sc. (HONS.) RESEARCH STUDENTS:**

1. Sana Habib; Identification of Resistant Sources for *Mungbean Yellow Mosaic Begomovirus* (MYMV). (Thesis completed in July 2008)
2. Bareera Siddiqi; Effect of Yellow Mosaic Disease upon Morphological and Agronomical Traits of *Vigna mungo* Germplasm. (Thesis completed in July 2009)
3. Elham Yazdkhasti; Wheat dwarf virus Interaction with ancestors of wheat. (Thesis completed in September 2012)
4. Zahra Sultan; Effect of micronutrients and biocontrol agents on severity of *Fusarium* wilt of tomato. (Thesis completed in July 2017)
5. Rehman Ejaz; Efficacy of biocontrol agent (*Trichoderma* species) and Micronutrients (Mn, Zn) against *Macrophomina phaseolina*. (Thesis completed in July 2018)
6. Hassan Gul; Genetic and chemical management of particular fungal diseases of *Zea mays* L. (Thesis completed in July 2019)
7. Umer Nawaz; Biocontrol of *Fusarium oxysporum* f.sp. *cepae* by *Penicillium* spp. and *Chenopodium murale*. (Thesis completed in August 2021).

### **SUPERVISION OF B.Sc. (HONS) INTERNEES:**

1. Ali Usman (2003-07); Breeding for resistance against diseases of Pulses.
2. Hafiz M. Waqas (2003-07); Chemical management of blights of potatoes.
3. Uzma Murad (2004-08); Identification of resistance in chickpea (*Cicer arietinum*) using biochemical and molecular techniques.
4. Maqbool Ahmed (2010-14); Isolation, cultivation, purification and preservation of airborne mycoflora/microbes associated with ornamentals in Punjab, Pakistan.
5. Qamar Yousaf (2011-15); Monitoring of Potato leaf roll virus (PLRV) in potato germplasm in relation to resistance.
6. Rehman Ejaz (2012-16); Isolation and identification of seed associated fungi of wheat.
7. Irfan Liaquat (2015-19); Evaluation of different doses of Cytrol 75% WP (Thiophanate methyl 35% + Chlorothalonil 40%) with Standard Revus 250 SC (Mandipropamid) against late blight (*Phytophthora infestans*) of potato *in vivo*.
8. Syeda Mahe Zahra (2015-19); Management of Potato leaf Roll virus through resistance inducing chemicals.
9. Ghanwa Riaz (2016-2020); Influence of Environmental Factors and Tillage Practices upon Germination of *Physoderma maydis* Sporangia to Control Brown Spot of Corn.

## **AWARDS/HONORS:**

- Awarded two advance increments at the time of appointment in University of the Punjab, Lahore based on throughout first class first division in academic career.

## **TRAINING/SHORT COURSES, LECTURES, WORKSHOPS, SEMINARS AND CONFERENCES ATTENDED:**

<b>Sr. No.</b>	<b>TITLE</b>
1.	“EU Asia Link project short course on principles of Experimental Design and Analysis” organized by the Saline Research Centre, University of Agriculture, Faisal Abad in collaboration with University of Wales, Bangor, UK. 1 <sup>st</sup> to 12 <sup>th</sup> December, 2003.
2.	Training course on “Biological Control of Weeds” (By Dr. Sirajul Hasan, CSIRO, France ), under TOKTEN programme; organized by the Institute of Mycology and Plant Pathology, University of the Punjab, Lahore in collaboration with Ministry of Labour and Manpower, Pakistan. 1 <sup>st</sup> July to 30 <sup>th</sup> September, 2005.
3.	“1st International symposium on Biofertilizers and Biocontrol Technology” organized by the Institute of Mycology & Plant Pathology; University of the Punjab, Lahore in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC) Pakistan. 25th to 27th July, 2005.
4.	Lectures on Earthquake of October 08, 2005. Lecture I; “Muzaffarabad Earthquake, Its Physical Causes and Social Reflections” delivered by Prof. Dr. Munir Ghazanffar; organized by College of Earth & Environmental Sciences, University of the Punjab; Lahore. 20th October 2005.
5.	Lectures on Earthquake of October 08, 2005. Lecture II; “Earthquake-A Natural Disaster and Its Management” delivered by Prof. Dr. Muhammad Nawaz Choudhary; organized by College of Earth & Environmental Sciences, University of the Punjab; Lahore. 20th October 2005.
6.	Two days’ workshop on “Impact of Media and IT on Rural Society” organized by Pakistan Academy for Rural Development, Peshawar, Pakistan. 8th to 9th May, 2006.
7.	Eight days training course on “Graduate Record Examination (GRE)”, organized by Human Resource Development Centre (HRDC), University of the Punjab; Lahore in collaboration with Princeton Review International, Pakistan. 8th to 15th June, 2006.
8.	International Practical training course on “Characterization and Management of Emerging Viral Diseases in the Developing World” organized by National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisal Abad in collaboration with International Centre for Genetic Engineering and Biotechnology (ICGEB), Italy. 14th to 18th November, 2006.
9.	One day workshop on “Implementation of Self-Assessment Manual” organized by the Quality Enhancement Cell (QEC), University of the Punjab, Lahore. 18th December, 2006.
10.	Two days National Seminar on “Biomanufacture Technology of Enzymes for Detergents and Leather Industries” organized by PCSIR Laboratories Complex. Feroz pur Road, Lahore in collaboration with Ministry of Ministry of Science & Technology (MoST) Pakistan. 28th April, 2007.
11.	Workshop on “Identification & Conservation of Micromycetes” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with National Core Group in Life Sciences, Pakistan & Higher Education Commission (HEC) Pakistan. 20th to 25th August, 2007.
12.	“3 <sup>rd</sup> International Conference on Plant Pathology & 7 <sup>th</sup> Biennial Meeting of Pakistan Phytopathological Society” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with Higher Education Commission (HEC) Pakistan; National Core Group in Life Sciences, Pakistan, National Commission on Biotechnology (NCB), Pakistan; Pakistan Science Foundation (PSF); Pakistan Agricultural

- Research Council (PARC); & University of the Punjab, Lahore; Pakistan. 19th to 21st November, 2007.
13. Workshop on “APA, MLA and Harvard styles; Citing and Referencing Using Endnote®” organized by Institute of Business Administration (IBA), University of the Punjab, Lahore in collaboration with Institute of Research Promotion (IRP), University of Management and Technology, Lahore Pakistan. 9th February, 2008.
  14. Organism Biology Annual Workshop on ‘Interactions’ held at Högbo Brukshotell, Sweden. June 01-02, 2009; Organized by Graduate School Organism Biology, SLU Uppsala, SWEDEN.
  15. Organism Biology training Workshop on ‘How to make your own homepage’ held at Department of Forest Mycology & Plant Pathology (MYKOPAT), Swedish University of Agricultural Sciences (SLU) Uppsala, SWEDEN, October 26 & November 9, 2009; organized by Graduate School Organism Biology, SLU Uppsala, SWEDEN.
  16. NJF Conference on “Climate change and agricultural production in the Baltic sea region” held at Swedish University of agricultural sciences (SLU), Uppsala; Sweden on 04/05/2010 to 06/05/2010; organized by Nordic Association for Agricultural Science (NJF), SWEDEN.
  17. Organism Biology Annual Workshop on “Networking” held at Alvkarleo, Sweden on 14/06/2010 to 15/06/2010; organized by Graduate School Organism Biology, SLU Uppsala, SWEDEN.
  18. 11<sup>th</sup> International Plant Virus Epidemiology Symposium and 3<sup>rd</sup> Workshop of the Plant Virus Ecology Network on “Plant Viruses: Exploiting Agricultural and Natural Ecosystems” held at Cornell University, Ithaca, New York; USA on June 20-24, 2010: organized by International Committee for Plant Virus Epidemiology (ICPVE), a subject committee of the International Society for Plant Pathology (ISPP).
  19. NJF Congress on “Food, Feed, Fuel and Fun-Nordic Light on Future Land use and rural development” held at Swedish University of agricultural sciences (SLU), Uppsala; Sweden on 14/06/2011 to 16/06/2011; organized by Nordic Association for Agricultural Science (NJF), SWEDEN.
  20. The 7<sup>th</sup> International Geminivirus Symposium & 5<sup>th</sup> International ssDNA Comparative Virology Workshop on Plant Viruses Epidemiology held in Zhejiang University, Hangzhou, China on November 3-9, 2013 organized by International Society for Geminiviruses Scientists.
  21. International Poultry Expo-2013 held in Lahore expo center, Lahore; Pakistan on 26/09/2013 to 28/09/2013; organized by Pakistan Poultry Association (PPA).
  22. One day workshop on "Use of bioinformatics in high throughput sequencing, genomics, proteomics and transcriptomics" held at National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan on 31/03/2015; organized by PAEC and HEC, Pakistan.
  23. One day workshop on "An introduction to Next Generation Sequencing and its application in Agricultural Sciences" held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore on 14/04/2015; organized by University of the Punjab, Lahore; Pakistan.
  24. 5<sup>th</sup> International & 10<sup>th</sup> National conference of Pakistan Phytopathological Society (PPS) on “Crop Protection for Sustainable Agriculture” held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore on 23/11/2015 to 25/11/2015 organized by University of the Punjab, Lahore and HEC, Pakistan.
  25. One day Workshop on “Food safety and hygiene management” held at Lahore Chamber of Commerce and Industry (LCCI), Lahore; Pakistan on 19/05/2016; organized by Small and Medium Enterprise Development Authority (SMEDA), Punjab and LCCI, Lahore.
  26. Conference on “International Advances in Plant Virology” held at The University of Greenwich, Old Royal Naval College 30 Park Row London SE10 9LS United Kingdom on 7–9 September 2016; organized by Association of Applied Biologists in conjunction with COST Action FA1407.

27. International conference on "Significance of Potash Use in Pakistani Soils" held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan on 24/11/2016 to 25/11/2016; organized by University of the Punjab; Lahore and HEC, Pakistan.
28. One day International Seminar on "Sustainable Production of maize and fodder Crops" held at Institute of Agricultural Sciences, University of the Punjab; Lahore, Pakistan on 10/01/2017; organized by University of the Punjab; Lahore; Pakistan.
29. 1<sup>st</sup> International Conference on "Plants: Their Chemical and Biological Applications for Today and Tomorrow" held at Department of Botany; University of Gujrat, Gujrat, Pakistan on 12-14/04/2017 organized by University of Gujrat and HEC, Pakistan.
30. International Seminar on "Sustainable crop production for food security under changing climate" Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore, Pakistan on 18/04/2017; organized by University of the Punjab; Lahore; Pakistan.
31. 12<sup>th</sup> International Arab Congress on "Plant Protection" held in at Cairo University, Egypt on 4-9 November 2017; organized by Department of Agriculture, Hurgada, Egypt.
32. 6<sup>th</sup> International Conference of Pakistan Phytopathological Society (PPS) on "Plant Health for Sustainable Agriculture" held at Department of Plant Pathology, Bahauddin Zakriya University, Multan; Pakistan on November 20-22, 2017; organized by Bahauddin Zakriya University (BZU), Multan, Pakistan and HEC, Pakistan.
33. International Conference of Punjab University 2019 (ICPU 2019) on "Recent Innovations in Molecular Sciences" held at School of Biological Sciences, University of the Punjab; Lahore, Pakistan on November 06-08, 2019; organized by University of the Punjab; Lahore and HEC, Pakistan.
34. A Webinar on "Align yourself to the Publishing Process" held on May 20, 2020; organized by HEC Pakistan and Elsevier Publishers, Singapore.
35. A Webinar on "Development of Biopesticide Technology and Future Crop Protection" held on August 27, 2021; jointly organized by Department of Botany, G.C. Women University Sialkot, Plant Disease Clinic at Department of Plant Pathology, Bahauddin Zakariya University (BZU) Multan, and Pakistan Phytopathological Society (PPS).
36. An International Webinar on "Role of Allelopathy in Crop Production" held on 15<sup>th</sup> September, 2021; organized by Ghazi University, D.G. Khan, Pakistan and HEC, Pakistan.

#### **MEMBERSHIP OF PROFESSIONAL SOCIETIES:**

- Life Member of Pakistan Phytopathological Society (PPS).
- Life Member of Pakistan Society of Nematologists (PSN).
- Regular Member of Myco-phytopathological Society of Pakistan (MYCOPS).

#### **PRESENTATIONS IN SEMINARS/WORKSHOPS/SYMPIA/CONFERENCES:**

1. **Shad N., 2002.** Screening of Rice Germplasm against Foolish Seedling Disease, Bacterial Leaf Blight and Blast Disease of Rice. Internship Seminar delivered the department of Plant Pathology, University of Agriculture Faisalabad. September 2002.
2. **Shad N., 2003.** Inhibitors of Viruses: Source of Systemic Resistance Inducers from higher Plants. Seminar delivered at the department of Plant Pathology, University of Agriculture Faisal abad. March 2003.
3. **Shad N., 2005.** Viral Problems of Plants in Pakistan. Seminar delivered at the Institute of Mycology and Plant Pathology, University of the Punjab Lahore. April, 2005
4. **Shad N., 2006.** Enzyme Linked Immunosorbent Assay (ELISA); Serological Technique for Detection of Plant Viruses. Seminar held at the Institute of Mycology and Plant Pathology, University of the Punjab, Lahore. August, 2006
5. **Shad N., U. Iqbal, S.M. Iqbal, S. R. Malik, A. Bakhsh, and I. Haque, 2007.** Identification of Resistant Sources against *Fusarium* Wilt in Chickpea. 3<sup>rd</sup> International Conference on Plant Pathology. November 2007.
6. **Shad N., U. Iqbal, S. R. Malik, S.M. Iqbal, and A. Bakhsh, 2007.** Evaluation of Chickpea Germplasm for Resistance against *Ascochyta* Blight. 3<sup>rd</sup> International Conference on Plant Pathology. November 2007.
7. **Shad, N., C. Sorensen, T. Espevig, and Y. Persson, 2009.** The Importance of plant pathogens dispersal in relation to Quarantine. 23<sup>rd</sup> Nordic PhD course in Plant Pathology; "Dispersal of Plant Pathogens, held at Älvkarleö herrgård, Sweden. May, 2009.

8. **Shad, N.,** A. Kvarnheden & I. Eriksson, **2009**. The Complete Genome Sequence of Oat Sterile Dwarf Virus and its Detection in Wild Grass Hosts. Organism Biology–Interactions; Workshop held at HögboBrukshotell, Sweden. June 2009.
9. **Shad, N.,** J. Nygren, I. Eriksson, R. Sigvald, A. Westerbergh & A. Kvarnheden, **2010**. Molecular Epidemiology of Viruses Infecting Cereals and Grasses. NJF Conference on “Climate change and agricultural production in the Baltic sea region” held at Swedish University of Agricultural Sciences (SLU), Uppsala; Sweden. May 2010.
10. **Shad, N.,** J. Nygren, I. Eriksson, R. Sigvald, A. Westerbergh & A. Kvarnheden, **2010**. A high diversity of Barley Yellow Dwarf- associated Viruses in Cereals and Grasses. Organism Biology Annual Workshop on “Networking” held at Älvkarleö, Sweden. June 2010.
11. **Shad, N.,** I. Eriksson, J. Ramsell, A. Linnel, J. Holmblad, B. Ekbom, L. Frykberg, F. Robenstein and A. Kvarnheden. **2011**. Detection and Molecular Epidemiology of Oat sterile Dwarf Virus. 11<sup>th</sup> International Plant Virus Epidemiology Symposium and 3<sup>rd</sup> Workshop of the Plant Virus Ecology Network on “Plant Viruses: Exploiting Agricultural and Natural Ecosystems” held at Cornell University, Ithaca, New York; USA. June 2011.
12. **Shad, N.,** J. Nygren, A. Kvarnheden, & A. Westerbergh, **2011**. Tolerance against Wheat Dwarf Virus in Wild Relatives of Wheat. 24<sup>th</sup> NJF Congress on “Food, Feed, Fuel and Fun-Nordic Light on Future Land use and rural development” held at Swedish University of agricultural sciences (SLU), Uppsala; Sweden. June 2011.
13. **Shad N.,** I. Eriksson, J. Nygren, E. Yazdkhasti, L. Lindemalm, R. Hopkins, A. Westerbergh, and A. Kvarnheden, **2013**. Factors determining the incidence of Wheat Dwarf Virus in wheat. 7<sup>th</sup> International Geminivirus Symposium & 5<sup>th</sup> International ssDNA Comparative Virology Workshop on Plant Viruses Epidemiology held in Zhejiang University, Hangzhou, China. November 2013.
14. **Shad N.,** B. Siddiqi & A. Javaid, **2015**. Screening of Mash Bean (*Vigna mungo*) Germplasm for Identification of Resistant Sources against Mungbean Yellow Mosaic Begomovirus (*MYMV*) Under Diverse Environmental Conditions. 5<sup>th</sup> International & 10<sup>th</sup> National conference of Pakistan Phytopathological Society (PPS) on “Crop Protection for Sustainable Agriculture” held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore. November 2015.
15. **Shad, N.,** J. Nygren, E. Yazdkhasti, R.Hopkins, A. Kvarnheden & A. Westerbergh, **2016**. Variability in Response in Different Host Plants to Infection by Wheat Dwarf Virus. Conference on “International Advances in Plant Virology” held at The University of Greenwich, Old Royal Naval College 30 Park Row London SE10 9LS United Kingdom. September 2016.
16. **Shad, N.,** B. Siddiqi, A. Javaid, & M.S. Sadiq, **2017**. Characterization of Resistance Derivation in *Vigna mungo* (L) Hepper Germplasm Contrary to Mungbean Yellow Moosaic Begomovirus (*MYMV*) Underneath Distinct Seasonal Settings. 1<sup>st</sup> International Conference on "Plants: Their Chemical and Biological Applications for Today and Tomorrow" held at Department of Botany; University of Gujrat, Gujrat, Pakistan. April, 2017.
17. **Shad, N.,** B. Siddiqi, A. Javaid & M.S. Sadiq, **2017**. Categorization of resistance/tolerance sources in *Vigna mungo* (L) Hepper Divergent to Mungbean Yellow Moosaic Begomovirus (*MYMV*) Under Dissimilar Periodic Surroundings. 12<sup>th</sup> International Arab Congress on “Plant Protection” held in at Cairo University, Egypt. November 2017.
18. **Shad, N.,** Z. Sultan & A. Zahid, **2017**. *In vitro* and *in vivo* Efficacy of Micronutrients and Biological Control Agents against *Fusarium* Wilt of Tomato. 6<sup>th</sup> International Conference of Pakistan Phytopathological Society (PPS) on “Plant Health for Sustainable Agriculture” held at Department of Plant Pathology, Bahauddin Zakriya University, Multan; Pakistan. November 2017.
19. **Shad N.,** Z. Sultan, A. Zahid & A. Javaid, **2019**. Effect of Micronutrients (Zn, Mn) and Biocontrol Agent (*Trichoderma* spp.) on the Severity of *Fusarium* Wilt of Tomato. International Conference of Punjab University 2019 (ICPU 2019) on “Recent Innovations in Molecular Sciences” held at School of Biological Sciences’ University of the Punjab; Lahore, Pakistan. November 2019.
- 20.

#### ARTICLES PUBLISHED IN NEWS LETTERS AND MAGAZINES:

- ⇒ Nadeem Shad (2006). Begomoviruses; Potential threat to agricultural crops in tropical and subtropical Countries of the World. Myconews (March Issue)
- ⇒ Nadeem Shad (2006). Dosage Forms of Medicinal Plants. Herbal Heritage Gardens Update (May Issue)
- ⇒ Nadeem Shad (2006) “Uzmat Mehnat Mein Hai.” Mycomag, 2006 Issue.

#### RESEARCH PUBLICATIONS SINCE 2005:

1. **Shad, N.,** Mughal, S.M., Bashir, M. (2005). Transmission of Mungbean Yellow Mosaic Begomovirus (*MYMV*). *Pakistan Journal of Phytopathology*. **17**(2):141-143. (HEC, Pakistan recognized PJP as X Category).

2. **Shad, N.**, Mughal, S.M., Farooq, K., Bashir, M. (2006). Evaluation of mungbean germplasm for resistance against Mungbean Yellow Mosaic Begomovirus. *Pakistan Journal of Botany*. **38**(2):449-457. (0.471 impact factor for PJB determined in Journal Citation Report (JCR) from Thomson ISI).
3. Habib, S., **Shad, N.**, Javaid, A., Iqbal, U. (2007). Screening of mungbean germplasm for resistance/tolerance against yellow mosaic disease. *Mycopath*. **5** (2):89-94 (HEC, Pakistan recognized Mycopath as Z Category).
4. Iqbal, U., Malik, S.R., Iqbal, S.M., Bakhsh, A., **Shad, N.** (2008). Evaluation of chickpea germplasm for resistance to *Ascochyta* blight. *Pakistan Journal of Phytopathology*. **20** (2):218-221. (HEC, Pakistan recognized PJP as X Category).
5. Javaid, A., Ahmad, S., Javaid, A., **Shad, N.**, Jabeen, K. (2009). Screening of mungbean cultivars under rice allelopathic stress for best agronomic and symbiotic traits. *Allelopathy Journal*. **24** (2): Published online. (0.672 impact factor for PJB determined in Journal Citation Report (JCR) from Thomson ISI).
6. Nygren, J., **Shad, N.**, Kvarnheden, A., & Westerbergh, A. (2015). Variation in susceptibility to wheat dwarf virus among wild and domesticated wheat. *PLoS one*, **10**(4), e0121580. (3.360 impact factor for PLoS One determined in Journal Citation Report (JCR) 2015 from Thomson ISI).
7. **Shad, N.**, Ejaz, R., Jamal, A., Khan, I.H. and Javaid, A. (2019). Isolation and identification of seed associated fungi of wheat. *Mycopath*, **17**(2):53-56. (HEC, Pakistan recognized Mycopath as Z Category).
8. **Shad, N.**, Ahmed M., Khan, I.H. and Javaid, A. (2019). Air-borne mycoflora from Lahore to Sahiwal. *Mycopath*, **17**(2):83-86. (HEC, Pakistan recognized Mycopath as Z Category).
9. **Shad, N.**, Liaquat, I., Khan, I. H., Hussain, N., Liaquat, G. A., & Javaid, A. (2020). Evaluation of Cytrol and Revus fungicides against late blight of potato. *Pakistan Journal of Phytopathology*, **32**(2): 225-229. (HEC, Pakistan recognized PJP as Y Category).
10. Nawaz, U, Khan I.H., Javaid A. and **Shad, N.** (2020). Response of *Fusarium oxysporum* f.sp. *cepae* to shoot extract of *Chenopodium murale*. *Mycopath*, **18**(1):11-14. (HEC, Pakistan recognized Mycopath as Z Category).
11. Hassan, M.A.U., Butt, I., Khan I.H., Javaid, A., **Shad, N.** (2020). Comparative Efficacy of Three Fungicides for *In Vitro* Control of *Curvularia lunata*. *Mycopath*, **18**(2):47-52. (HEC, Pakistan recognized Mycopath as Z Category).
12. Khan, I.H., Javaid, A., and **Shad, N.** (2021). Comparative Efficacy of Organic Solvent Fractions of Leaf Extract of Hemp against *Aspergillus versicolor*. *Pakistan Journal of Weed Science Research*, **27**(1). 101-108. (HEC, Pakistan recognized PJWSR as Y Category).
13. Ferdosi, MFH., Javaid A., Khan, I.H., Khan S., **Shad, N.** (2021). Analysis of n-Butanol Flower Extract of *Cassia fistula* Through GC-MS and Identification of Antimicrobial Compounds. *Pakistan Journal of Phytopathology*, **33**(1): 103-107. (HEC, Pakistan recognized PJP as Y Category).
14. Ahmad, S., Idrees, A., Haider, MU., Rasool, B., Mehmood, R., Afzal, A., Javaid, A., **Shad, N.**, Ashraf, S. and Li, J. (2022). Research Note: COI-gene Based Molecular Identification of *Chilo partellus* Swinhoe (Lepidoptera: Pyralidae) Infesting Maize in Lahore, Pakistan. *The Philippine Agricultural Scientist*, **105**(3): 303-308. (0.16 impact factor for PAS determined in Journal Citation Report (JCR) 2022 from Thomson ISI).
15. **Shad, N.**, Javaid A. and Kanwal Q. (2022). Antifungal and Other Bioactive Constituents in Roots of a Halophytic Weed, *Suaeda fruticosa*. *Pakistan Journal of Weed Science Research*, **28**(3). 311-318. (HEC, Pakistan recognized PJWSR as Y Category).

#### **ORGANIZED/COORDINATED SYMPOSIA, CONFERENCES AND WORKSHOPS:**

- ☞ 1<sup>st</sup> International Symposium on Biofertilizers and Biocontrol Technology organized by the Institute of Mycology & Plant Pathology, University of the Punjab; Lahore in collaboration with National Productivity

organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC) Pakistan. 25<sup>th</sup> to 27<sup>th</sup> July, 2005.

- ☞ Workshop on “Identification & Conservation of Micromycetes” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with National Core Group in Life Sciences, Pakistan & Higher Education Commission (HEC) Pakistan. 20<sup>th</sup> to 25<sup>th</sup> August, 2007
- ☞ “3<sup>rd</sup> International Conference on Plant Pathology & 7<sup>th</sup> Biennial Meeting of Pakistan Phytopathological Society” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore in collaboration with Higher Education Commission (HEC) Pakistan; National Core Group in Life Sciences, Pakistan, National Commission on Biotechnology (NCB), Pakistan; Pakistan Science Foundation (PSF); Pakistan Agriculture Research Council (PARC) & University of the Punjab, Lahore; Pakistan. 19<sup>th</sup> to 21<sup>st</sup> November, 2007.
- ☞ IAGS stall display at “The Dawn Pakistan Agri Expo 2014”, held at Expo Center, Lahore in collaboration with Dawn media group and Fatima Fertilizers (PVT) Limited, Pakistan.
- ☞ One day workshop on "An introduction to Next Generation Sequencing and its application in Agricultural Sciences" held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore on 14/04/2015; organized by University of the Punjab, Lahore; Pakistan.
- ☞ 5th International & 10th National conference of Pakistan Phytopathological Society (PPS) on “Crop Protection for Sustainable Agriculture” held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore on 23/11/2015 to 25/11/2015 organized by University of the Punjab, Lahore and HEC, Pakistan.
- ☞ International conference on "Significance of Potash Use in Pakistani Soils” held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan on 24/11/2016 to 25/11/2016; organized by University of the Punjab; Lahore and HEC, Pakistan.

#### **EXTRA CURRICULAR ACTIVITIES:**

- ☞ I worked at the registration desk of the “1<sup>st</sup> International symposium on Biofertilizers and Biocontrol Technology.” Organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore; in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25<sup>th</sup> to 27<sup>th</sup> July, 2005.
- ☞ Member, organizing committee of “1<sup>st</sup> International symposium on Biofertilizers and Biocontrol Technology.” Organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore; in collaboration with National Productivity organization (NPO), Asian Productivity Organization (APO) and Higher Education Commission (HEC). 25<sup>th</sup> to 27<sup>th</sup> July, 2005
- ☞ Member organizing Committee of the Work shop on “Identification & Conservation of Micromycetes” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore; in collaboration with National Core Group in Life Sciences, Pakistan & Higher Education Commission (HEC) Pakistan. 20<sup>th</sup> to 25<sup>th</sup> August, 2007
- ☞ Member organizing Committee of “3<sup>rd</sup> International Conference on Plant Pathology & 7<sup>th</sup> Biennial Meeting of Pakistan Phytopathological Society” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore; in collaboration with Higher Education Commission (HEC) Pakistan; National Core Group in Life Sciences, Pakistan, National Commission on Biotechnology(NCB), Pakistan; Pakistan Science Foundation(PSF); Pakistan Agriculture Research Council (PARC); & University of the Punjab, Lahore; Pakistan. 19<sup>th</sup> to 21<sup>st</sup> November, 2007.
- ☞ I worked as Session In charge of Technical Session VI (Student Presentations I ) during “3<sup>rd</sup> International Conference on Plant Pathology & 7<sup>th</sup> Biennial Meeting of Pakistan Phytopathological Society” organized by the Institute of Mycology & Plant Pathology, University of the Punjab, Lahore; in collaboration with Higher Education Commission (HEC) Pakistan; National Core Group in Life Sciences, Pakistan, National Commission on Biotechnology(NCB), Pakistan; Pakistan Science Foundation(PSF); Pakistan Agriculture Research Council (PARC) & University of the Punjab, Lahore; Pakistan. 19<sup>th</sup> to 21<sup>st</sup> November, 2007.
- ☞ Member Organizing Committee of ‘Annual Sports Gala’ of Institute of Agricultural Sciences (IAGS), University of the Punjab’; Lahore.
- ☞ Member ‘Stall display committee of IAGS, PU; LHR’., at The Dawn Pakistan Agri Expo 2014, held at Expo Center, Lahore in collaboration with Dawn media group and Fatima Fertilizers (PVT) Limited, Pakistan.
- ☞ Member Organizing Committee of ‘One day workshop on "An introduction to Next Generation Sequencing and its application in Agricultural Sciences" held at Institute of Agricultural Sciences (IAGS), University of the Punjab; Lahore’ on 14/04/2015; organized by University of the Punjab, Lahore; Pakistan.
- ☞ Member Organizing Committee of ‘5th International & 10th National conference of Pakistan Phytopathological Society (PPS) on “Crop Protection for Sustainable Agriculture” held at Institute of Agricultural Sciences (IAGS), University of the Punjab’; Lahore on 23/11/2015 to 25/11/2015 organized by University of the Punjab, Lahore and HEC, Pakistan.

- ☞ Member Organizing Committee of ‘International conference on "Significance of Potash Use in Pakistani Soils” held at Institute of Agricultural Sciences, University of the Punjab, Lahore, Pakistan’ on 24/11/2016 to 25/11/2016; organized by University of the Punjab; Lahore and HEC, Pakistan.

**FIELD OF INTEREST:**

- ✓ Biopesticides and Biocontrol
- ✓ Integrated Plant Disease Management (IPDM)
- ✓ Molecular Plant Microbes Interactions (MPMI)
- ✓ Nanobiotechnology