

**CURRICULUM VITAE**  
**&**  
**RESEARCH PUBLICATIONS**  
**OF**

**DR. ASAD ALI**

**Professor**  
**DEPARTMENT OF PLANT PATHOLOGY**  
**NWFP AGRICULTURAL UNIVERSITY**  
**PESHAWAR, PAKISTAN**

**December, 2016**

## C. V. OF DR. ASAD ALI

### **Personal information**

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<b>Father's Name</b>	:	ALA-UD-DIN
<b>Date of Birth</b>	:	January 12 <sup>th</sup> , 1972
<b>Place of Birth</b>	:	Nowshera
<b>Domicile</b>	:	Khyber Pukhtunkhwa
<b>Religion</b>	:	Islam
<b>NIC No.</b>	:	90102-0101235-5
<b>Specialization</b>	:	Molecular Plant Virology
<b>Experience</b>	:	Teaching and research, since 1999
<b>Permanent Address</b>	:	147-B, Block-E, A.S.C. Colony Nowshera Cantt.
<b>Correspondence Address</b>	:	Professor, Deptt. Plant Pathology, The University of Agriculture, Peshawar.
<b>Languages</b>	:	Urdu, Hindko, Punjabi, Pushto, Japanese and English
<b>E-mail Address</b>	:	<a href="mailto:asadjp2005@yahoo.com">asadjp2005@yahoo.com</a>

### **Educational Qualifications**

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<b>S.S.C.</b>	F.G. Public High School Nowshera	Ist Div. (65 %)	1987
<b>H.S.S.C.</b>	Government Degree College Nowshera	Ist Div. (70 %)	1990
<b>B.Sc (Hons)</b>	The University of Agriculture, Peshawar	A+ ( <b>Gold Medal</b> ) (91.3 %),	1995

<b>M.Sc (Hons)</b>	The University of Agriculture, Peshawar	A+ ( <b>Bronze Medal</b> ) (91.54 %), 1997
<b>Ph.D</b>	Tokyo University of Agriculture and Technology, Japan	2005
<b>Postdoc</b>	Utsunomiya University, Japan	(Nov. 2009-2011)

## **Distinctions and Achievements**

**Presidential Award** in B.Sc (Hons)

**Gold Medal** on securing overall First position in the University in B.Sc (Hons)

**University Merit Scholarship** awarded throughout B.Sc (Hons) and M.Sc (Hons)

**Merit Scholarship by INFAQ FOUNDATION** through University Grants Commission for research and thesis.

**Distinction in Department of Plant Pathology** in B.Sc (Hons)

**Distinction in Faculty of Crop Protection Sciences** in B.Sc (Hons)

**Merit Certificates** awarded in all the four years of B.Sc (Hons)

**Bronze Medal** on securing overall Third Position in the University in M.Sc (Hons)

**Distinction in Department of Plant Pathology** in M.Sc (Hons)

**Distinction in Faculty of Crop Protection Sciences** in M.Sc (Hons)

## **National and International Regcognitions**

**Member IBC: Leading Health Professionals of the World 2011.** Awarded to individuals who have made a significant contribution in their respective field to engender influence on a local, national or international basis by **International Biographical Centre, Cambridge, England** for the year 2011.

**President of Pakistan Award** titled “**IZAZ-SABQAT**” on overall best performance throughout Pakistan in academics for the year 1995.

**Xth Star Award** titled “**STAR MAN 1999**” in academics by South Asia Publications

**Japanese Government Monbukagakusho Scholarship** awarded in 2002 for higher education leading to PhD (2002-2005).

**Japanese society for Promotion of Science Fellowship (JSPS)** for two years (2009-2011).

**JASSO fellowship 2015** (Japan Student Services Organization followup research fellowship awards)

## **Specialization**

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### **Molecular Plant Virology.**

My PhD research focused on epidemiology, management and molecular characterization of cucurbit viruses. The complete nucleotide sequence was determined for *Watermelon mosaic virus*, a potyvirus, and two begomoviruses (*Tomato leaf curl virus* and *Tobacco leaf curl virus*). Events of recombination were detected in the genome of *Watermelon mosaic virus* and *Tobacco leaf curl Japan virus*. Coat protein gene of *Tomato leaf curl virus* was expressed in bacterial expression system, using pQE 32 vector and M15 competent cells, for antibody production. The severe isolate of *Cucumber green mottle mosaic virus* were subjected to low temperature treatment to obtain attenuated isolates to cross protect cucurbit crops against the severe strains. A number of molecular techniques including molecular cloning, Southern hybridization, automated sequencing, DNA and amino acid sequence analysis, Protein expression and purification and also the production, purification and use of polyclonal antibodies in Western blotting were learnt and used.

**Review** “Control of Garlic Rust”

**M.Sc Thesis** “Screening Soybean germplasm for the Source of resistance against *Soybean mosaic virus*”.

**PhD Thesis** “Identification and molecular characterization of cucurbit viruses in Pakistan”

**Postdoc** To identify the host range determinant of WMV.

## **Professional courses taught**

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PP-711, 4(3-2) Molecular Plant Virology, PhD Spring Semester

PP-708, 4(3-2) Seed Pathology, M. Sc (Hons) 2<sup>nd</sup> Semester

PP-707, 4(3-2) Plant Bacteriology, M. Sc (Hons) 1<sup>st</sup> Semester

PP-703, 4(3-2) Plant Virology, M. Sc (Hons) 1<sup>st</sup> Semester

PP-722, 4(3-2) Plant Virology, PhD (Shared with Dr. Sher Hassan)  
PP-503, 4(3-2) Introduction to Prokaryotes, B. Sc (Hons) 5<sup>th</sup> Semester  
PP-502, 4(3-2) Introduction to Plant viruses, B. Sc (Hons) 5<sup>th</sup> Semester  
PP-511, 4(3-2) Clinical Plant Pathology, B. Sc (Hons) 6<sup>th</sup> Semester  
PP-514, 4(3-2) Introductory Plant Nematology, B. Sc (Hons) 6<sup>th</sup> Semester  
PP-515, 4(3-2) Soil borne Plant Pathogens and their Management, B. Sc (Hons)  
6<sup>th</sup> Semester.  
PP-401, 4(3-2) Microbiology, B. Sc (Hons) 3<sup>th</sup> Semester  
PP-411, 4(3-2) Introductory Plant Pathology, B. Sc (Hons) 4<sup>th</sup> Semester  
PP-511, 4(3-2) Introductory Molecular Plant Pathology, B.Sc(Hons) 5<sup>th</sup> Semester

## **Professional Experience**

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### **Research Officer (April 01, 1999 to August 31, 2000)**

Worked for one and a half years as a Research Officer (BS-17) in U.G.C. funded project titled “**Epidemiology and management of aphid borne potato viruses**”. Incidence of potato viruses was determined in all the three potato crops (spring, summer and autumn) along with studying the role of aphids in epidemiology of these viruses. Insect population was evaluated for the presence of viruses and was correlated to the percent incidence in crop. Available control strategies were applied to check their effectiveness in controlling the mosaic disease in potato crop. Moreover assisted the P.I. in his student’s research supervision as well as facilitating him in class practicals.

### **Lecturer (September 01, 2000 to December 28, 2009)**

Worked as “Lecturer” at the Department of Plant Pathology, The University of Agriculture, Peshawar.

### **Associate Professor (December 29 to September 2017)**

Worked as “Associate Professor” at the Department of Plant Pathology, The University of Agriculture, Peshawar.

### **Professor (September 2017 till todote)**

Presently working as “Professor” at the Department of Plant Pathology, The University of Agriculture, Peshawar.. Current responsibilities include teaching, research and outreach activities. Students are supervised in their research and thesis write-up.

## **Formal Trainings and workshops**

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How to write a worth publishing research paper/thesis. The University of Agriculture, Peshawar. 3-4 April, 2014.

IPM research and development. National IPM Programme, PARC, Islamabad. 22-27 May, 2006.

International training on Characterization and Management of emerging viral diseases in the developing countries. NIBGE, Faisalabad. 14-18 November, 2006.

The Mushroom Cultivation Course. The University of Agriculture, Peshawar. 8-9 March, 2000.

## **Publications**

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1. Din N, Ahmad M., Siddique M., **Ali A.**, Naz I., Ullah N. and Ahmad F. 2016. Phytobiocidal management of bacterial wilt of tomato caused by *Ralstonia solanacearum* (Smith) Yabuuchi. Spanish Journal of Agricultural Research. 14 (3): **Impact Factor = 0.70**
2. Naz, Saifullah, I. Munir, M. Ahmad, **A. Ali**, J. E, Palomares-Rius, S. Ali and I. Ahmad. 2016. Cis and trans-protopinium, a novel nematicide, for eco-friendly management of root-knot nematodes. Crop Protection. 81: 138-144. **Impact Factor = 1.54**
3. Shah S., Ghani G., Khan H., Shafi M., Arif M., Qahar A., Inamullah, Asad Ali, Ahmad M. 2015. Response of Maize cultivars to phosphorus and zinc nutritions. Pak. J. Botany S1. (**Impact Factor 0.822**)
4. Arti Sharma, Adil Hussain, Bong-Gyu Mun, Qari Muhammad Imran, Noreen Falak, Sang-Uk Lee, Jae Young Kim, Jeum Kyu Hong, Gary John Loake, **Asad Ali** and Byung-Wook Yun. 2016. Comprehensive analysis of plant rapid alkalization factor (RALF) genes. Plant Physiology and Biochemistry. 106: 82-90 (**Impact Factor 2.76**)
5. **Asad Ali**, Musharaf Ahmad, Hisashi Nishigawa and Tomohide Natsuaki. 2015. Evaluation of Low Temperature Induced Mutants of Cucumber green mottle mosaic virus for Cross-protection in Cucurbits. Journal of Plant Pathology and Microbiology Special Issue 3: 010 (**Impact Factor 2.28**)
6. **Asad Ali**, Musharaf Ahmad, Hisashi Nishigawa and Tomohide Natsuaki. 2015. Occurrence and molecular characterization of *Cucumber green mottle mosaic virus* in cucurbit crops of KPK, Pakistan. Brazilian Journal of Microbiology 45 (4) : 1247-1253 (**Impact Factor 0.762**)

7. Ishrat Naz, Saifullah, J. E, Palomares-Rius, S. M. Khan, S. Ali, M. Ahmad, **A. Ali** and A. Khan. 2015. Control of Southern root knot nematode *Meloidogyne incognita* (Kofoid and White) Chitwood on tomato using green manure of *Fumaria parviflora* Lam (Fumariaceae). *Crop Protection*. 67: 121-129. **Impact Factor = 1.54**
8. **Asad Ali**, Musharaf Ahmad, Hisashi Nishigawa and Tomohide Natsuaki. 2014. Identification of Tobacco leaf curl virus infecting *Lonicera Japonica* an ornamental plant common in Japan. *J. Agr. Sci. Tech*. 16: 645-655. (**Impact Factor 0.685**)
9. Hafiz Farhad Ali, Ayesha Bibi, Musharaf Ahmad, Muhammad Junaid, **Asad Ali**, Shaukat Hussain, Shah Alam and Syed Sartaj Alam 2014. Characterization of the causal organism of blackleg and soft rot of potato, and management of the disease with balanced fertilization. *Pakistan Journal of Botany*. 46(6): 2277-2284. **Impact Factor = 1.2**
10. Hafiz Farhad Ali, Muhammad Junaid, Musharaf Ahmad, **Asad Ali**<sup>1</sup>, Ayesha Bibi, Shaukat Hussain, Shah Alam and Jawad Ahmad Shah 2013. Molecular and pathogenic diversity identified among isolates of *Erwinia carotovora* sub-species *atroseptica* associated with potato black leg and soft rot. *Pakistan Journal of Botany* 45 (3) 1073-1078. (**Impact Factor 0.97**)
11. Hafiz Farhad Ali, Musharaf Ahmad, Muhammad Junaid, Ayesha Bibi, **Asad Ali**<sup>1</sup>, Muhammad Sharif, Barkat Ali and Amna Sadozai 2013. Inoculum sources, disease incidence and severity of bacterial soft rot and black leg of potato. *Pakistan Journal of Botany* 44 (2) 825-830. (**Impact Factor 0.97**)
12. Irshad Ali Khan, Hakim Khan, **Asad Ali**, Fazli Raziq, Shaukat Hussain\*, Musharaf Ahmad and Attauddin\*\*. 2009. Evaluation of various fungicides and cultivars for the control of pea rust under natural conditions. *Sarhad J. Agric*. 25(2) 261-268.
13. Ishrat Naz, Hakim Khan, **Asad Ali**, Musharaf Ahmad\* and Adil Hussain. 2009. Effect of various sowing dates and cultivars on the management of okra root rot under natural field conditions. *Sarhad J. Agric*. 25(2) 251-260.
14. Muhammad Junaid, Hakim Khan, **Asad Ali**, Musharaf Ahmad and Fazli Raziq\*. 2009. Response of various maize cultivars to different levels of nitrogen against *bipolaris maydis* (nisik) shoemaker under natural epiphytotic conditions. *Sarhad J. Agric*. 25(2) 243-249.
15. M. Sharif, M. S. Sarir, J. Bakht, S. Saud, **Asad Ali** and Musharaf Ahmad. 2009. Response of wheat to the inoculation of arbuscular mycorrhizal fungi in salt affected soil. *Sarhad J. Agric*. 25(2) 209-216.
16. Z. H. Khan, S. K. Khalil, S. Nigar, I. H. Khalil, **Asad Ali** and M. Y. Khan. 2009.

- Phenology and yield of sweet corn landraces influenced by planting dates. *Sarhad J. Agric.* 25(2) 153-157.
17. A. Sadozai, Q. Zeb, T. Iqbal, S. Anwar, H. Badshah, **Asad Ali** and M. Tahir. 2009. Testing the efficacy of different insecticides against onion thrips in Tarnab, Peshawar. *Sarhad J. Agric.* 25(2) 269-271.
  18. **Ali A.** 2008. *Watermelon mosaic virus*. In; **Characterization, Diagnosis and Management of Plant Viruses**. by G. P. Rao, A. Myrta and K. Ling. Vol 2: Horticultural Crops. Stadium Press LLC, U.S.A.
  19. **Ali A.** and Natsuaki T. 2007. *Watermelon mosaic virus*. *Plant Virus journal*. 1(1): 80-84.
  20. **Ali A.**, Natsuaki T. and Okuda S. 2006. The complete nucleotide sequence of a Pakistani isolate of *Watermelon mosaic virus* provides further insights into the taxonomic status in the *Bean common mosaic virus* subgroup. *Virus Genes* 32: 307-311. (**Impact Factor 1.77**)
  21. **Ali A.**, Natsuaki T. and Okuda S. 2004. Identification and molecular characterization of viruses infecting cucurbits in Pakistan. *J. Phytopathology*. 152: 677-682. (**Impact Factor 1.00**)
  22. Akhtar A., Hassan S. and **Ali. A.** 2002. Incidence of six potato viruses in spring, summer and autumn potato crops of the North-West Frontier Province of Pakistan. *Australian Plant Pathology*. 31: 143-146. (**Impact Factor 1.021**)
  23. Hassan H., **Ali A.** and Akhtar A. 2000. Occurrence and distribution of *Potato leaf roll virus* and *Potato virus Y* in major potato growing areas of the North-West Frontier Province. *Pak. J. Phytopathol.* 12(20): 145-151.
  24. Arif M., **Ali A.** Mouazam S. 2000. Evaluation of resistance to Soybean germplasm for source of resistance against Soybean mosaic virus. *Pak. J. Bio. Sci.* 3(11): 1921-1925.

### **Publications (under Review)**

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1. **Asad Ali**, Nishigawa, H., Natsuaki, T. Construction of an infectious full length cDNA clone of Lily mottle virus. *Archives of virology*.
2. **Asad Ali**, Seichi Okuda and Tomohide Natsuaki. Molecular characterization of a begomovirus associated with yellow mosaic disease of *Luffa acutangula* in Pakistan. *The Plant Pathology Journal*.
3. Matsubara, S., **Ali, Asad**, Murai, T., Nishigawa, H., Natsuaki, T. Complete



- nucleotide sequence of *Cowpea mild mottle virus* infecting Soybean in Indonesia revealed complete divergence from African isolate. *Virus Genes*.
4. **Asad Ali**, A. Hussain, M. Ahmad, I. Naz and Won Y. H. *Zucchini yellow mosaic virus* infecting cucurbit crops of KPK, Pakistan. *The Plant Pathology Journal*.
  5. Ibrahim M., **Ali, Asad**, Murai, T., Nishigawa, H., Natsuaki, T. A distinct tombusvirus infecting *Lisianthus* plants in Shizoaka and Nagano prefectures of Japan. *Journal of General Plant Pathology*.
  6. Wang, W-Q., **Ali, Asad**, Murai, T., Nishigawa, H., Natsuaki, T. Sequence analysis of a polerovirus detected from yellowing pepper in Bali, Indonesia, revealed intra-specific genomic recombination. *Virus Genes*
  7. Baharullah Khattak, Saifullah, Musharraf Ahmad, **Asad Ali**, Mohammad Junaid and Aqib Iqbal. Genetic variability among various isolates of *Trichoderma harzianum*, using RAPD and their antagonistic ability against root-knot nematode. *The Plant Pathology Journal*.
  8. Wang, W-Q., **Asad Ali**, Murai, T., Nishigawa, H., Natsuaki, T. The Population structure and complete nucleotide sequence of a *Watermelon mosaic virus*-Japanese isolate (W6-2-1); Giving insight on possible epidemiology of the severe strains of WMV. *Journal of Phytopathology*.
  9. Molecular characterization of the *Strawberry vein banding virus* infecting strawberries plants in Tochigi Prefecture, Japan. *Journal of General Plant Pathology*.
  10. The complete nucleotide sequence of a Japanese isolate of *Lily mottle virus* (LMoV) provides further insights into taxonomic status of LMoV. *Journal of Phytopathology*.

## **Foreign Presentations**

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Paper titled “**Incidence and Molecular characterization of *Cucumber green mottle mosaic virus* in NWFP Pakistan**”. Cucurbitaceae 2010 at Charleston, South Carolina, USA in 14-19 November, 2010.

Paper titled “**Incidence and control of cucurbit viruses in NWFP Pakistan**”. International Advances in Plant Virology by Dutch Circle of Plant Virologists held at Arnhem, Netherland, on 5-7 September 2010.

Paper titled “**Incidence and control of *Cucumber green mottle mosaic virus* in NWFP Pakistan**”. Phytopathological Society of Japan annual meeting at Kyoto, Japan in 18-20

April, 2010.

Paper titled “**Molecular characterization of a begomovirus associated with yellow mosaic disease of Luffa in Pakistan and detection of frequent recombination in the genome**”. International conference on Biotic Plant Interactions at The Queensland University, Brisbane, Australia in 27-29 March 2008.

Paper titled “***Tobacco leaf curl Japan virus* Infecting *Lonicera japonica*; an ornamental common in Japan**”. Phytopathological Society of Japan annual meeting at Utsunomiya, Japan in March, 2007.

Paper titled “**Complete nucleotide sequence of *Watermelon mosaic virus***” at the 2<sup>nd</sup> Asian Conference of Plant Pathology held at National University of Singapore, Singapore on 26-28 June, 2005.

Paper titled “**Nucleotide sequence of two tobusviruses isolated from *Lisianthus***”. Phytopathological Society of Japan annual meeting at Shizuoka, Japan in October, 2005.

Paper titled “**Complete nucleotide sequence of *Tomato leaf curl New Delhi virus***” at the Phytopathological Society of Japan annual meeting at Shizuoka, Japan in October, 2004.

Paper titled “**Incidence of cucurbit viruses in Pakistan**” at the Phytopathological Society of Japan annual meeting at Meiji University, Japan in March, 2003.

## **Faculty Research Projects Completed**

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As a **Principal Investigator**, I have completed the Higher Education Commission (HEC, Pakistan) funded project (**worth Rs. 4.76 millions**) titled “Incidence and management of mosaic disease of cucurbit in NWFP”.

I was **Co-PI** in another HEC-funded project (**worth Rs. 1.82 millions**) titled “Integrated management of the important bacterial diseases of potato in NWFP”.

## **Students Research Supervision**

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### **M.Sc (Hons) STUDENT’S RESEARCH PROJECTS COMPLETED/ IN PROGRESS**

The following research projects of M.Sc (Hons.) students of the Department of Plant Pathology, NWFP Agricultural University, Peshawar, have been completed or in progress under my supervision (as **Major Advisor**).

1. Incidence and management of *Cucumber green mottle mosaic virus* in NWFP (Mr. Adil Hussain)
2. Molecular detection and characterization of *Potato Mop Top Benyvirus*. (Rizwana Qureshi)
3. Molecular detection and characterization of *Beet Necrotic Yellow Vein Virus*. (Shawana Kakakhel)
4. Screening of tomato germplasm for the source of resistance against Tomato mosaic virus (ToMV). (Najeebullah)
5. Multiplex PCR for the detection of Potato Virus Y (PVY) strains in Peshawar Division. (Aniqa Qazi)
6. Incidence of major viruses infecting cucurbit crops in Malakand Division. (Izhar)
7. Incidence of Tobacco Mosaic Virus in districts Swabi, Mardan and Charsadda and Screening tobacco germplasm for the source of resistance against TMV. (Imran), (In progress)
8. Incidence of *Cucumber Mosaic Virus* in various districts of Khyber Pakhtunkhwa-Pakistan and Screening Cucumber germplasm for the source of resistance against *Cucumber Mosaic Virus*. (Yasir Ali), (In progress)

#### **Ph. D STUDENT'S RESEARCH PROJECTS COMPLETED/ IN PROGRESS**

##### **Funded by the Higher Education Commission of Pakistan**

1. Studies on the characterization and genetic diversity of the different geographic isolates of *Erwinia* sp., the cause of bacterial soft rot of potato (Hafiz Farhad Ahmad); **Member**: (Status: Completed)
2. Status of *Xanthomonas vesicatoria* (Doidge) Dye spot disease in tomato fields of Swat, and its management through phytobiocide. Ijaz Ahmad **Member**: (Status: Research In Progress)
3. Biology and molecular biology of the major viruses infecting potato crop in the northern parts of Khyber Pakhtunkhwa, Pakistan. Attaullah **Member**: (Status: Ready for final defence)
4. Incidence, characterization and management of viruses infecting cucurbit crop in the Khyber Pakhtunkhwa, Pakistan. Shawana Kakakhel **Major Advisor**: (Status: Research work in progress)

5. Biology and molecular biology of the major viruses infecting soybean crop in the Khyber Pakhtunkhwa, Pakistan. Aniqah Ahmad **Major Advisor**: (Status: **Research work planing**)

### **Students research supervision (Internship, Special Problem & Review)**

1. Disease incidence and identification of pathogen infecting seasmum showing distorted leaf symptoms in Peshawar (Nasrullah Abid)
2. Biological characterization of PVY strains prevalent in district Nowshera and Peshawar.(Iftikhar Khan)
3. Incidence of viruses infecting pea crop. (Adeel Bashier)
4. Detection of DNA  $\beta$  and DNA 1 satellite in luffa plants infected with begomovirus. (Saba Khalid)
5. Assessment of seed transmission of CGMMV in commercial germplasm of *Lageneria* plants. (Najeebullah)
6. Incidence of PVY in tomato crop of Peshawar Division. (Yasir Ali)
7. Efficacy of mild isolate of CGMMV to cross protect against severe isolate in *Lageneria siccereria*.(Asim Kamal)
8. Seed transmission of ChCDV in commercial chickpea cultivars. (Muhammad Zubair)
9. Assessment of seed transmission of CMV in commercial chickpea cultivars. (Zia Ullah)
10. Incidence of Cucumber Green Mottle Mosaic Virus in Watermelon crop of KPK and Balochistan. (Ranra Saleem)
11. Screening of Cucumber and Bottle gourd germplasm against CGMMV (Ziaullah).
12. Incidence of Zucchini Yellow Mosaic Virus in Watermelon crop of KPK and Balochistan. (Muhammad Ayaz Kakar)
13. Incidence of Sugarcane mosaic virus in Peshawar and charsadda. (Sangeen Khan).

14. Detection of CGMMV and ZYMV in bottle gourd (*Lagenaria siceraria*) crop in Swat. (Murad Ali)
15. Varietal reaction of cucumber against CMV. (Asma Akbar).
16. Incidence of Watermelon Mosaic Virus in Watermelon crop of KPK and Balochistan. (Hassan Akhtar)
17. Evaluation of varietal reaction of cucumber against ZYMV. (Amra Roman).
18. The effect of Neem products on the transmission and control of insect transmitted plant viruses. (Mian Abdul Qadir Shah)
19. Bacteria as biological control agent. (Review report: Najeeya Munir)
20. Dot immuno binding assay. (Nafees Bacha)
21. Isolation of *Erwinia carotovora* from infected potato tubers. (Internship: Najeeya Munir)

### **Service as a Referee in International and National Journals**

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I have been working as a referee in International journal titled “Virus Genes”.

I am also the Assistant regional editor for an international journal titled “Journal of Agriculture, Food and Environment” published from Finland.

I have been working as a referee for Sarhad Journal of Agriculture for the last two years; have evaluated four research publications so far.

### **Chapter Contributed in Book**

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*Watermelon mosaic virus*. In; **Characterization, Diagnosis and Management of Plant Viruses**. by G. P. Rao, A. Myrta and K. Ling. Vol 2: Horticultural Crops. Stadium Press LLC, U.S.A.

### **Additional Academic Tasks**

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Member of the Board of Studies in Entomology Department, NWFP Agricultural University, Peshawar (2006 – 2009).

Co-Opt Member Board of Studies in Plant Pathology Department, NWFP Agricultural University, Peshawar (2005-2009).

Member Board of Studies in Plant Pathology Department, NWFP Agricultural

University, Peshawar (2009- till todote).

### **Countries Visited.**

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Japan, U.S.A., Australia, China, Singapore, Srilanka and Thailand.

### **Membership in Scientific Societies.**

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Life time member of Phytopathological society of Pakistan.

Member of Phytopathological society of Japan. (2002-2005 and 2009-2011)

Assistant Editor in International Journal of Agriculture, Food and Environment, Finland.