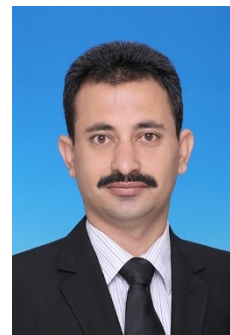


Curriculum Vitae

DR. JAMAL-U-DDIN HAJANO

Ph.D. (Molecular Plant Pathology)

Assistant Professor,
Department of Plant Pathology,
Sindh Agriculture University
Tandojam-70060, Pakistan.



PERSONAL BIO-DATA:

Given Name: Jamal-U-Ddin

Family Name: Hajano

Gender: Male

Nationality: Pakistani

Institution: Department of Plant Pathology, Faculty of Crop Protection, Sindh
Agriculture University, Tandojam 70060, Pakistan

Contact email: hajanojamal@gmail.com; jhajano@sau.edu.pk ; 2380217103@qq.com

Phone number: +92-315-3138390

Research Area: Virus-Vector-Host interactions

ACADEMIC QUALIFICATION:

Degree	Year of passing	CGPA/ %age	Grade/ Division	Subject	University/Board
PhD	2015	-	-	Molecular Plant Pathology (Plant Virology)	Chinese Academy of Agricultural Science, Beijing-China
M.Sc.(Agri.) Hon's	2010	3.96	1 st	Plant Pathology	Sindh Agriculture University Tandojam 70060, Pakistan
B.Sc.(Agri.) Hon's	2008	78.89	1 st	Plant Pathology	Sindh Agriculture University Tandojam 70060, Pakistan

TITLE OF THESIS:

- ✓ **Ph.D Thesis:** Resistance screening of rice varieties for rice black streaked dwarf virus and virus quantification in the vector insects.
- ✓ **M.Sc Thesis:** Identification, Pathogenicity, Physiology and *in-vitro* control of Rice Blast Fungus.

PROFESSIONAL EXPERIENCE:

- ⇒ **Assistant Professor** Department of Plant Pathology, Sindh Agriculture University Tandojam (December, 2019 to date).
- ⇒ **Postdoctoral fellow** Institute of Plant Protection, Chinese Academy of Agricultural Science, Beijing-China (December, 2018 to December, 2019).
- ⇒ **Assistant Professor** Department of Plant Pathology, Sindh Agriculture University Tandojam (November, 2015 to December, 2018).

ADDITIONAL ASSIGNMENTS:

- ⇒ **Coordinator-Postgraduate Programs:** Faculty of Crop Protection, Sindh Agriculture University Tandojam (30 July, 2020 to date).
- ⇒ **Member of Board of Studies:** Department of Plant Pathology, Faculty of Crop Protection, Sindh Agriculture University Tandojam for 3 years (22-4-2021 to 21-4-2024).
- ⇒ **Member of Prospectus Committee:** Prospectus of Post Graduates Programs, Sindh Agriculture University Tandojam for the Academic Session 2021-22.
- ⇒ **Member of program team:** in Quality Enhancement Cell for Ph.D Self Assessment Report.

HEC APPROVED PHD SUPERVISOR: YES

LIST OF RESEARCH SUPERVISOR FOR PhD.M.Sc STUDENTS:

S. No.	Name of student with Reg. No:	Thesis Title	Year
PhD			
1.	Khadim Hussain Wagan Reg. No: 2K14-PhD-PP-29	Eco-friendly management of sunflower charcoal rot caused by <i>Macrophomina phaseolina</i> (Tassi) Gold.	2020
M. Sc (Masters degree)			
Main Supervisor			
1.	Sajad Ali Solangi Reg. No: 2K15-PP-285	Screening of tomato varieties for resistance to tomato leaf curl viral disease (TLCVD) under field conditions	2018
2.	Abdul Ghani Reg. No. 2K16-PP-71.	Spatial distribution of chili leaf curl virus and its vector in different regions of sindh	2018

3.	Muhammad Sabir Reg.No.2K16-PP-81	Intensity, mechanical transmission and impact of environmental conditions cucumber mosaic viral disease	2018
4.	Sabir Iqbal Khoso Reg. No: 2K15-PP-242	Screening of okra varieties for resistance to okra yellow vein mosaic viral disease (OYVMVD) under field conditions.	2018
5.	Ali Asghar Reg. No. 2K15-PP-266.	Responses of okra varieties to okra leaf curl viral disease (OLCVD) in relation to environmental conditions.	2018
6.	Ayaz Ali Kumbhar Reg. No: 2K14-PP-288	Prevalence of okra yellow vein mosaic viral disease in Sindh and its correlation with vector population.	2017
Co- Supervisor –I			
7.	Assad Ullah Reg. No: 2K18-PP-62	Efficacy of different fungicides, biological control agents, botanical extracts and essential oils against <i>Alternaria alternata</i> the causal agent of of fruit rot of apple	2021
8.	Syed Arif Hussain Shah Reg. No: 2K16-PP-90	Response of safflower cultivars against Fusarium wilt in naturally infested soil	2020
9.	Wajid Ali Lashari Reg. No: 2K14-PP-298	Prevalence of fungal foliar diseases on mustard varieties and their impact on crop yield	2020
10.	Moez Ullah Khan Reg. No: 2K16-PP-78	Evaluation of different fungicides, botanical extracts and bio control agents against <i>Alternaria alternata</i> the causal agent of leaf spot in Grapes	2018
11.	Ali Hassan Reg. No: 2K16-PP-72	Prevalence of leaf blight of sunflower caused by <i>Alternaria helianthi</i> in district Hyderabad and its management	2018
12.	Sadam Hussain Reg. No: 2K15-PP-283	Prevalence and variation in bacterial leaf blight of rice in Sindh agro-ecosystem	2018
13.	Marvi Hinhoro Reg. No: 2K14-PP-292	Efficacy of different chemicals and bio-control agents against <i>Curvularia lunata</i> causing fruit rot of tomatoes	2018
14.	Rashid Malook Reg. No: 2K14-PP-298	Efficacy of some selected fungicides and biocontrol agents against Fusarium wilt of bitter melon under <i>in vitro</i> conditions	2018
Co- Supervisor –II			
15.	Muhammad Arsalan Reg. No: 2K15-ET-236	Chemotaxis of mango fruit fly species (Diptera: Tephridea) using methyl eugenol in combination with different food essences.	2018

16.	Mansoor Ahmed Reg. No: 2K15-ET-234	Performance of different food essences with methyl eugenol against fruit fly species (Diptera: Tephritidae) in guava orchard	2018
17.	Aisha Anum Rajput Reg. No: 2K15-PT-292	Survey, intensity and documentations of foliar diseases in ornamental plants during kharif season in Hyderabad	2018
18.	Lachhman Reg. No: 2K15-ET-233	Response of fruit fly species (Diptera: Tephritidae) to methyl eugenol in combination with various food flavours in Jujube orchard	2017

ACHIEVEMENTS:

- Third position in B.Sc. (Agri.) Hon's in the Department of Plant Pathology during the academic year 2005-06.
- Second position in M.Sc. (Agri.) Hon's in the Department of Plant Pathology during the academic year 2008-10.
- Award of full scholarship by Chinese scholarship council for Ph.D. studies during 2012-2015.
- Award of full scholarship by Ministry of Science and Technology, China for Postdoctoral studies during 2018-2019.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES:

- ✓ Pakistan Society of Nematologists-Life membership
- ✓ Pakistan Phytopathological Society-Regular Membership

PROFESSIONAL CONTRIBUTION:

- ✓ Invited reviewer of *Plant Disease*, ASPP, America
- ✓ Invited reviewer of *Journal of Applied Entomology*, Wiley publisher
- ✓ Invited reviewer of *Journal of the Kansas Entomological Society*
- ✓ Invited reviewer of *African Entomology*, the Journal of the Entomological Society of Southern Africa
- ✓ Invited reviewer of *Pakistan Journal of Agricultural Sciences*, University of Agriculture, Faisalabad, Pakistan.
- ✓ Invited reviewer of *Florida Entomologist*, Montana State University, College of Agriculture and Montana Agricultural experiment Station.
- ✓ Invited reviewer of *International Journal of Agricultural Sciences and Food Technology*, Peertechz Publications Private Limited
- ✓ Invited reviewer of *Acta Ecologica Sinica*. Elsevier B.V., Radarweg 29, 1043 NX Amsterdam, The Netherlands, Reg. No. 33156677.

RESEARCH PUBLICATIONS: (Impact factor SCI =29.674)

A. Full length research publications

1. Marcia, BMF, Liu WW, Zhang L, **Hajano J** and Wang XF. 2021. Interplay of rice stripe virus and rice black streaked dwarf virus during their acquisition and accumulation in insect vector. *Viruses*. 13, 1121. <https://doi.org/10.3390/v13061121>. (IF: 3.816) (HEC recognized, W-category).
2. Hao X, Song S, Zhong Q, Guo J, **Hajano J** and Wu Y. 2021. Rescue of an infection clone of barley yellow dwarf virus–GAV. *Phytopathology*. <https://doi.org/10.1094/PHYTO-11-20-0522-R>. (IF: 3.234) (HEC recognized, W-category).
3. Hao X, Wang L, Zhang X, Zhong Q, **Hajano J**, Xu L, and Wu Y. 2021. A real-time loop-mediated isothermal amplification for detection of the wheat dwarf virus in wheat and the insect vector *Psammotettix alienus*. *Plant Disease*. <https://doi.org/10.1094/PDIS-10-20-2279-RE>. (IF: 3.809) (HEC recognized, W-category).
4. Talpur MSA, Abro MA, Khaskheli MA, Pussio GB, Khaskheli MI, **Hajano J** and Jatoti GH. 2021. Novel studies on non-chemical control of leaf spot disease of banana through botanical extracts, biocontrol agents and essential oils. *International Journal on Emerging Technologies*. Accepted. (HEC recognized, Y-category).
5. Rahimoon MY, Lanjar AG, Bukero A, Chang BH, Hajano J, Nizammani IA, McNeill MR, Khushak GM, Buriro RH and Lanjar Z. 2021. Prevalence Position of stem borer species in rice ecosystem in lower and upper Sindh. *Pakistan Journal of Scientific and Industrial Research, Series Biological Sciences*. Accepted. (HEC recognized, Y-category).
6. Khoso SI, **Hajano J**, Lakho AA, Abro MA, Dhilloo KH, Wagan KH, Khoso FN, Jarwar AR, Qazi ST and Rizwan S. 2021. Screening of okra varieties for resistance to okra yellow vein mosaic disease under field conditions. *International Journal of Phytopathology*, 10(01). DOI: 10.33687/phytopath.010.01.3516. (HEC recognized, Y-category).
7. Ahmed, AM, Abdulaadeer AZ, Khoso FN, Khatri I, **Hajano J**, Rattar Q, Rajput IA, and Lashari MA. 2021. Effect of age on reproductive behavior of the brown planthopper, *Nilaparvata lugens* Stal (Hemiptera: Delphacidae). *Pakistan Journal of Zoology*. 1-4. DOI: <https://dx.doi.org/10.17582/journal.pjz/20190627090614> (HEC recognized, Y-category).
8. Ahmed, AM, Qadeer AZA, **Hajano J**, Alyousuf A, Rajput S, Rajput IA, Soomro DM and, Rind RK. 2020. Bio efficacy of *Eruca sativa* oil against *Callosobruchus chinensis* on chickpea. *Abasyn Journal of Life Sciences*, 3(2): 193-199. (HEC recognized, Y-category).
9. Kandhro, AG, **Hajano J**, Bhutto MS, Jiskani MM, Ahmed AM, Khoso FN, Soomro AH, Qazi ST, Soomro WA and Jatoti GH. 2020. Spatial distribution of chili leaf curl disease and its correlation with environmental factors in Southern Irrigated Plain Zone of Pakistan. *Pure and Applied Biology*, 9(4): 2543-2553. (HEC recognized, Y-category).
10. **Hajano, J**, Raza A, Zhang L, Liu WW and Wang XF. 2020. Ribavirin targets sugar transporter 6 to suppress acquisition and transmission of rice stripe tenuivirus by its vector *Laodelphax striatellus*. *Pest Management Science*. 76: 4086–4092. <https://doi.org/10.1002/ps.5963>. (IF: 3.75) (HEC recognized, W-category).
11. Wagan, KH, Khaskheli MI, **Hajano J** and Lanjar AG. 2019. Population density and aggressiveness of *Macrophomina phaseolina* isolates from Sindh, Pakistan. *Sarhad Journal of Agriculture*, 35(2): 400-407. (HEC recognized, X-category).

12. Bhutto MS, **Hajano J**, Kandhro AG, Nizamani ZA, Dhilloo KH, Kumar L, Wagan KH and Jarwar AR. 2019. Prevalence, mechanical transmission and impact of environmental conditions on cucumber mosaic disease in Sindh. *Pure and Applied Biology*, 8(2): 1051-1061. (HEC recognized, Y-category).
13. Chajro, MA, Khoso FN, Khatri I, **Hajano J**, Lodhi AM, Otho S., Nizamani IA, Ahmed M and Ali A. 2019. Chemotaxis of fruit fly species against Methyl eugenol in the presence of different food flavours in a guava orchard. *Pure and Applied Biology*, 8(1): 452-459. (HEC recognized, Y-category).
14. Lachhman, Khoso FN, Gilal AA, AM Ahmed, **Hajano J**, Khatri I, Nizamani IA, Lodhi AM, Ali A, Taimur ur ehman, Ahmad M. 2018. Improving Chemo Taxis Effects of Methyl Eugenol Bait Against Two Fruit Fly Species in Jujube Orchards Located in Tandojam, Pakistan. *Journal of the Kansas Entomological Society*, 91(3): 230-238. (IF: 0.539). (HEC recognized, W-category).
15. Liu, WW, **Hajano J** and Wang XF. 2018. New insights on the transmission mechanism of tenuiviruses by their vector insects. *Current Opinion in Virology*, 33:13–17. (IF: 5.644). (HEC recognized, W-category).
16. Wagan, KH, Khaskheli MI, **Hajano J** and Lanjar AG. 2018. Isolation and characterization of *Macrophomina phaseolina* isolates prevailing in Sindh, Pakistan. *Pure and Applied Biology*, 7(4): 1309-1315. (HEC recognized, Y-category).
17. Bhutto SH, Tarique JA, **Hajano J**, Syed RN, Rattar QA and Gishkori ZGN. 2018. Biochemical characterization of *Xanthomonas oryzae* pv. *oryzae* and its response against Streptomycin. *Pakistan Journal of Biotechnology*, 15(2): 429-434.
18. Pussio, GB, Abro MA, **Hajano J**, Khaskheli MI, Rajput KI and Memon SA. 2018. Potential of plant extracts and fungicides for managing *Fusarium oxysporum* f. sp *lycopersici*. *Pakistan Journal of Phytopathology*, 30(01). 75-81.
19. Wagan, KH, Khaskheli MI, **Hajano J** and Lanjar AG. 2018. Effect of irrigation intervals on charcoal rot of sunflower. *International Journal of Development Research*, 08(06): 21033-21037.
20. Soomro MP, Wagan KH, Dhilloo KH, Soomro SP, Soomro MH, Hassan S, Yaseen M, **Hajano J**, Mastoi SM and Mastoi PM. 2018. Response of lentil varieties against Fusarium wilt. *Journal of Entomology and Zoology Studies*, 6(1): 858-862.
21. Li M, Li D, Tai Y, Gu C, Song Y, Jiao W, Ning J, Wei C, Gu X, Ho CT, **Hajano J** and Wan X. 2018. Determination of free amino acids in tea by a novel method of reversed-phase high performance liquid chromatography applying 6-Aminoquinolyl-N-Hydroxysuccinimidyl carbamate reagent. *Journal of Food Science and Technology*, 55(10):4276-4286. doi: 10.1007/s13197-018-3366-9. (IF: 1.797). (HEC recognized, W-category).
22. Khoso N, Marri JM, Khoso FN, Solangi BK, Ahmed AM, Iftikhar Y, Ali A, **Hajano J**,

- Ahmed M, Chand K and Rehman T. 2017. Assessment of botanical insecticides against onion thrips, *Thrips tabaci* (L.) (Thysanoptera: Thripidae). Journal of Entomology and Zoology Studies, 5(6): 572-575.
23. **Hajano J**, Wang B, Ren YD, Lu CT and Wang XF. 2016. Screening of rice (*Oryza sativa* L.) cultivars for resistance to rice black streaked dwarf virus using quantitative PCR and visual disease assessment. Plant Pathology, 65: 1509–1517. (IF: 2.425). (HEC recognized, W-category).
 24. Khanzada, MA, Tanveer M, Maitlo SA, **Hajano J**, Ujjan AA, Syed RN, Lodhi AM and Rajput AQ. 2016. Comparative efficacy of chemical fungicides, plant extracts and bio-control agents against *Fusarium solani* under laboratory conditions. Pakistan Journal of Phytopathology, 28 (02), 133-139. (HEC recognized, Y-category).
 25. **Hajano J**, Wang B, Ren YD, Lu CT and Wang XF. 2015. Quantification of southern rice black streaked dwarf virus and Rice black streaked dwarf virus in the organs of their vector and nonvector insect over time. Virus Research, 208:146-155. (IF: 2.628). (HEC recognized, W-category).
 26. Wang B, **Hajano J**, Ren YD, Lu CT and Wang XF. 2015. iTRAQ-based quantitative proteomics analysis of rice leaves infected by Rice stripe virus reveals several proteins involved in symptom development. Virology Journal. 12:99. (IF: 2.139). (HEC recognized, W-category).
 27. **Hajano J**, Lodhi MA, Maitlo SA and Pathan MA. 2015. Impact of carbon and nitrogen sources on vegetative growth and conidial formation of *Magnaporthe oryzae* Couch. European academic research. 3(III): 2764-2773. (UIF: 3.4546).
 28. **Hajano J**, Lodhi AM, Khanzada MA, Rajput MA and Shah GS. 2013. Influence of abiotic factors on the vegetative growth and sporulation of *Magnaporthe oryzae* Couch. Pakistan Journal of Phytopathology, 25 (01): 65-70. (HEC recognized, Y-category).
 29. **Hajano J**, Lodhi AM, Pathan MA, Khanzada MA and Shah GS. 2012. *In-vitro* evaluation of fungicides, plant extracts and bio-control agents against rice blast pathogen *Magnaporthe oryzae* Couch. Pakistan Journal of Botany, 44(5): 1775-1778. (IF: 0.658). (HEC recognized, W-category).
 30. **Hajano J**, Pathan MA, Rajput QA and Lodhi MA. 2011. Rice blast-mycoflora, symptomatology and pathogenicity. IJAVMS. 5(1): 53-63. [doi:10.5455/ijavms.20110226124750](https://doi.org/10.5455/ijavms.20110226124750). (UIF: 1.84).
 31. Marri, NA, Lodhi AM., **Hajano J**, Shah GS, and Maitlo SA. 2012. Response of different sesame (*Sesamum indicum* L.) Cultivars to Alternaria leaf spot disease (*Alternaria sesami*) (Aawamura) Mohanty & Behera. Pakistan Journal of Phytopathology, 24(2):129-132. (HEC recognized, Y-category).

B. Abstracts in Proceedings

32. Kumbhar AA, Sayed RA, Jiskani MM, Wagan KH, Abro MA, Khaskheli MI, Naz S, Wang XF and **Hajano J**. Prevalence of okra yellow vein mosaic viral diseases and its

correlation with vector population in Sindh, Pakistan. 6th International Conference of Pakistan Phytopathological Society. 20-22 November, 2017. p70-71.

33. Abro MA, Xiang Sun X., Li XC, Jiskani MM, Syed RN, Wagan KH, Nizamani Z, **Hajano J** and Guo LD. Biocontrol potential of fungal endophytes from various sources against top ten fungal pathogens of cucumber. 6th International Conference of Pakistan Phytopathological Society. 20-22 November, 2017. p59.
34. **Hajano J**, Lodhi AM, Khanzada MA and Marri NA. Comparative efficacy of chemical fungicides, antagonistic fungi and plant extracts against rice blast fungus *Magnaporthe oryzae*. Fourth international conference of Pakistan Phytopathological Society, 23-24 January 2014. p32.
35. Marri NA, Lodhi AM, **Hajano J** and Rajput AQ. Evaluation of chemical fungicides and cultivar resistance against *Alternaria sesami* causing sesame leaf spot disease. Fourth international conference of Pakistan Phytopathological Society, 23-24 January 2014. p94.

PARTICIPATION IN CONFERENCES/WORKSHOPS/TRAININGS:

- ❖ International Seminar on “Host Pathogen Interaction” July 15, 2021. Organized by: Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahawalpur, Pakistan & Pakistan Phytopathological Society.
- ❖ International Webinar on “The nature of a cyst nematode population suppression” May 25, 2021. Organized by: Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahawalpur, Pakistan & Pakistan Phytopathological Society.
- ❖ International Webinar on “Stealth Pathogens: The sooty blotch and flyspeck fungal complex” April 20, 2021. Organized by: Department of Plant Pathology, Faculty of Agriculture and Environment, The Islamia University of Bahawalpur, Pakistan & Pakistan Phytopathological Society.
- ❖ 1st Virtual Safe Use Ambassador Conference. September 8, 2020. Organized by: Bayer Crop Science.
- ❖ 15th Nematological Event, Seminar cum Workshop on: Significance of Nematode Identification for better management” December 30-31, 2019. Organized by: Pakistani Society of Nematologists, Pakistan Science Foundation and National Nematological Research Center, University of Karachi.
- ❖ 6th International Conference of Pakistan Phytopathological Society, November 20-22, 2017. Entitled “Plant health for sustainable Agriculture” Organized by: Department of Plant Pathology, Bahauddin Zakariya University, Multan, and Central Cotton Research Institute, Multan.
- ❖ Next-generation DNA Sequencing Data Analysis. March 27-29 2017. Jamil-ur-Rehman Center for Genome Research, Dr. Panjwani Center for Molecular Medicine and Drug Research, International Center for Chemical and Biological Sciences, University of Karachi, Karachi-75270, Pakistan.
- ❖ IPM Training at village Khadim Hussain Shah, District Hyderabad.

COMPUTER LITERACY/ EFFICIENCY:

- ❖ Software and hardware installation
- ❖ MS Office (Composing and formatting in all MS Office Components)
- ❖ Scanning
- ❖ Digital Photography & Editing (ordinary and technical/ sophisticated)
- ❖ Frequent working efficiency in some “Statistical Analysis Software's”.