

Curriculum Vitae (CV)



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Work: Department of Plant Protection,
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Research

My principal research interests lie on identification and molecular characterization of plant pathogens. I have finished my study as MS thesis concerning the distribution of two curly top-causing viruses and the effect of temperature on both viral infection and recovery phenotype of virus-infected plants and the molecular mechanism of these phenomenon. As a PhD dissertation, I worked on bioinformatics, phylogenetics and biological characterization of *Wheat dwarf virus* isolates at Julius Kühn-Institute (Quedlinburg, Germany).

I have a particular experience and interest in new molecular methods such as Gene Cloning, genome manipulation and Real-Time Polymerase Chain Reaction.

Education

2011-2016

PhD' Biological and Phylogenetical Characterization of Iranian Isolates of *Wheat Dwarf Virus*'

Plant Virology Research Center, College of Agriculture, Shiraz University

Julius Kühn-Institut, Quedlinburg, Germany

Supervisors: Associate professors S. A. A. Behjatnia and Alireza Afsharifar, professors Jörg Schubert and Antje Habekuss

2008-2011

MS' Distribution of curly top-causing viruses and the effect of temperature on recovery of *Beet severe curly top virus*-infected sugar beet plants'

Plant Virology Research Center, College of Agriculture, Shiraz University

Supervisors: Professor K. Izadpanah and Associate professor S. A. A.

Behjatnia

2004-2008

BS

Plant Protection Department, College of Agriculture, Shiraz University

Publication

Monjezi, E., Tabein, S., & Parizipour, M. H. G. (2023). **Biocontrol of Tomato Mosaic Disease by Multiple Applications of Brown Alga (*Sargassum angustifolium*) Extract, *Pseudomonas fluorescens*, and *Bacillus subtilis*.** *Brazilian Archives of Biology and Technology*, 66, e23220103.

Ghodoum Parizipour, M. H., Rajabpour, A., Jafari, S., & Tahmasebi, A. (2021). **Host-targeted salt stress affects fitness and vector performance of bird cherry-oat aphid (*Rhopalosiphum padi* L.) on wheat.** *Arthropod-Plant Interactions*, 15(1), 47-58.

Ghodoum Parizipour, M. H., Tahmasebi, A., Shahriari, A. G., Khashman, M., & Hemmati, F. (2021). **Luteoviruses affected energy reserves and fatty acid composition of their aphid vectors.** *Journal of Phytopathology*, 169(6), 376-386.

Ghodoum Parizipour, M. H., Ramazani, L. and Pakdaman Sardrood, B. (2017). **Temperature affected vector transmission, symptom development and accumulation of *Wheat dwarf virus*.** *Plant Protection Science*, DOI: 10.17221/147/2017-PPS.

Ghodoum Parizipour, M. H., Schubert, J., Behjatnia, S. A. A., Afsharifar, A., Habekuss, A. and Wu, B. (2016). **Phylogenetic analysis of *Wheat dwarf virus* isolates from Iran.** *Virus Genes*, DOI: 10.1007/s11262-016-1412-0

Ghodoum Parizipour, M. H. Behjatnia, S. A. A., Afsharifar, A and Izadpanah, K. (2016). **Natural hosts and efficiency of leafhopper vector in transmission of *Wheat dwarf virus*.** *Journal of Plant Pathology*, DOI: [10.4454/JPP.V98I3.022](https://doi.org/10.4454/JPP.V98I3.022).

Ghodoum Parizipour, M. H. Behjatnia, S. A. A. and Izadpanah, K. (2014). **Effect of temperature on the infection of sugar beet plants by *Beet severe curly top virus* and on recovery of virus-infected plants.** *Iranian Journal of Plant Pathology*, 43(4): 123-136.

Aeini, M., Ghodoum Parizipour, M. H., Eftekhari, S. A., & Pooladi, P. (2021). **Application of plant growth-promoting rhizobacteria to protect bell pepper against *Tobacco mosaic virus***. *Journal of Crop Protection*, 10(4), 711-722.

Ghodoum Parizipour, M. H., & Shahriari, A. G. (2020). **Identification of Subgenomic DNAs associated with wheat dwarf virus infection in Iran**. *Iranian Journal of Biotechnology*, 18(4), e2472.

Shahriari, A. G., & Ghodoum Parizipour, M. H. (2019). **Antiviral activity of aqueous extract of alligator plant, *Bryophyllum daigremontianum* L., against RNA and DNA plant viruses**. *Journal of Crop Protection*, 8(4), 465-478.

Ghodoum Parizipour, M. H., & Keshavarz-Tohid, V. (2020). **Identification and phylogenetic analysis of a tobamovirus causing hibiscus (*Hibiscus rosa-sinensis* L.) mosaic disease in Iran**. *Journal of Plant Pathology*, 102(3), 813-824.

Ghodoum Parizipour, M. H., & Shahriari, A. G. (2020). **Investigation of antiviral potential of licorice (*Glycyrrhiza glabra* L.) crude extract against *Tobacco mosaic virus***. *J. Anim. Plant Sci*, 30(1), 107-114.

Soltani, T., Yarahmadi, F., Rajabpour, A., & Ghodoum Parizipour, M. H. (2022). **Pathogenicity of Iranian isolates of *Akanthomyces lecanii* and *A. muscarius* on the black bean aphid (*Aphis fabae* Scopoli)**. *Plant Protection (Scientific Journal of Agriculture)*, 45(1), 19-28.

Zandi-Sohani, N., & Ghodoum Parizipour, M. H. (2021). **Sequence Analysis of Mitochondrial Cytochrome Oxidase 1 from *Bemisia tabaci* (Hemiptera: Aleyrodidae) Populations in Iran**. *Journal of Entomological Science*, 56(3), 366-373.

Mohkami, A., Habibi, M., & Shahriari, A. G. (2020). **The Effect of Seaweed Extract (*Sargassum angustifolium* L.) on Growth and Physiological Indices of Tomato under Drought Stress Conditions**. *Iranian Journal of Horticultural Science and Technology*, 21(3), 245-256.

Broumandnia, F., Rajabpour, A., Ghodoum Parizipour, M. H., & Yarahmadi, F. (2021). **Morphological and molecular identification of**

four isolates of the entomopathogenic fungal genus *Akanthomyces* and their effects against *Bemisia tabaci* on cucumber. *Bulletin of Entomological Research*, 111(5), 628-636.

Tahmasebi, A., & Ghodoum Parizipour, M. H. (2020). **The role of brassinosteroid hormones in plant response to pathogens.** *Plant Pathology Science*, 9, 1.

Mousavi, K., Rajabpour, A., Ghodoum Parizipour, M. H., & Yarahmadi, F. (2022). **Biological and molecular characterization of *Cladosporium* sp. and *Acremonium zeylanicum* as biocontrol agents of *Aphis fabae* in a tri-trophic system.** *Entomologia Experimentalis et Applicata*.

Shahriari, A. G., Mohkami, A., Niazi, A., Ghodoum Parizipour, M. H., & Habibi-Pirkoohi, M. (2021). **Application of Brown algae (*Sargassum angustifolium*) extract for improvement of drought tolerance in canola (*Brassica napus* L.).** *Iranian Journal of Biotechnology*, 19(1), e2775.

Habibi-Pirkoohi, M., Shahriari, A. G., & Ghodoum Parizipour, M. H. (2021). **Transient Gene Expression: an Approach for Recombinant Vaccine Production.** *Journal of Medical Microbiology and Infectious Diseases*, 9(1), 46-54.

Tahmasebi, A. and Ghodoum Parizipour, M. H. (2017). **Virus-encoded RNA Silencing Suppressors.** LAMBERT Academic Publishing, Germany.

Teaching experience

2015-2016	Teaching plant virology and phytobacteriology, plant pathology, plant nematology and vegetable diseases courses – Khuzestan Agricultural Sciences and Natural Resources University.
2013-2014	Teaching assistant of research methods in plant pathology courses-
2012-2013	Shiraz University.
2010-2011	Teaching assistant of plant virology courses - Shiraz University. Teaching assistant of plant pathology and vegetable diseases courses- Shiraz University.
2009-2010	Teaching assistant of plant pathology and vegetable diseases courses- Shiraz University.

Technical skills

English language	MCHE certificate with the total score of 72/100.
Laboratory	Fungi and bacteria isolation, culture and purification, Virus purification (PEG method), Isolation of protein and nucleic acid, antiserum

preparation, Chloroplast agglutination test, Microprecipitation, Agar gel diffusion, ELISA, DNA, RNA and protein extraction, PCR, gel electrophoresis, cloning, polyacrylamide gel electrophoresis (PAGE), Real-Time PCR, sequencing.

Software Microsoft Office (Word, Excel and PowerPoint), Photoshop, VectorNTI, DNA MAN, DNASTar, FAST PCR, QIAGEN CLC Main Workbench, EndNote and SAS

Databases NCBI

References

Prof. K. Izadpanah (supervisor), Plant Virology Research Center, College of Agriculture, Shiraz University Email: : izadpana@shirazu.ac.ir	Prof. Jörg Schubert (supervisor), Julius Kühn-Institut, Quedlinburg, Germany Email: joerg.schubert@julius-kuehn.de
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