



CURRICULUM VITAE

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Academic qualifications

PhD: Plant Pathology (Virology) 2012, Ferdowsi University of Mashhad, Iran.

MSc: Plant Pathology (Virology) 2006, Ferdowsi University of Mashhad, Iran.

BSc: Plant Protection, 2002, Department of Plant Protection, Ferdowsi University of Mashhad, Iran

Research interests:

Serological and Molecular characterization of plant viruses

Cloning and DNA manipulation

Genetic Diversity

Plant Phytoplasma diseases

Selected research projects:

Production of virus free nuclear stocks for 2 new introduced sweet cherry cultivars (*Prunus avium* L.)

Effect of Herbal Extracts on Reducing the Damage of *Tomato Yellow Leaf Curl Virus* in Greenhouse Conditions

Investigation of some important pathogens and insect vectors involved on grapevine decline in Razavi-Khorassan province.

Simultaneous management of two common viral diseases of melon with polyethylene mulch and elicitors in Khorasan Razavi province.

Selected publications:

Journals papers

Gharouni-Kardani, S., Ashnai, M., Bertaccini, A. (2020). Detection of 16SrVI and 16SrIX phytoplasma groups in pot marigold and tickseed plants in northeastern Iran. *Folia Microbiologica*, 65(4), pages 697–703 (DOI: 10.1007/s12223-020-00772-x).

Rastegar, M., Allahyari, M., **Gharouni Kardani, S.** (2019). Details of Digestive Organ of Bemisia tabaci Biotype B, the Vector of Begomoviruses by Electron Microscopy. *Journal of Plant Protection*, 33(3), pp: 281-288. (<https://doi.org/10.22067/jpp.v33i3.81507>)

Gharouni Kardani, S., Rastegar, M. (2019). Identification and management of Cucumber mosaic virus in Purple coneflower (*Echinacea purpurea*) Farms, *Technology of Medicinal and Aromatic Plants of Iran*, 2(1), pp: 34-46.

Gharouni Kardani, S., Jamshidi, E. (2018). Etiology and Transmission of Cowpea Phyllody Associated Phytoplasma in East Azarbaijan Province of Iran. *Journal of Plant Protection*, 32(2), pp: 185-193. (<https://doi.org/10.22067/jpp.v32i2.71083>)

Gharouni Kardani, S., Heydarnejad, J., Zakiaghl, M., Mehrvar, M., Kraberger, S., Varsani, A. (2013). Diversity of *Beet curly top Iran virus* isolated from different hosts in Iran. *Virus Genes*. Vol: 46, No. 3, pp: 571-575. (DOI. 10.1007/s11262-013-0875-5).

Gharouni Kardani, S., Jafarpour, B., Mehrvar, M., Tarighi, S. (2014). Identification and Sequencing of Coat Protein Gene of TYLCV Isolates from Khorasan Razavi Southern and Northern Khorasan provinces. *Journal of plant protection*. Vol: 27, No. 4, pp: 427-433.

Tabasinezhad, F., Jafarpour, B., Falahati Rastgar, M., **Gharouni-Kardani, S.** (2009). Detection of *beet soil-borne virus* in Razavi Khorasan province by serological and RT-PCR methods. *Journal of plant protection (Agricultural science and technology)*, Volume (23), No: 2; pp: 14 -19.

Gharouni kardani, S., Jafarpour, B., Falahatirastegar, M., Tabasinezhad, F. (2009). Detection of *Polymyxa betae* in sugar beet roots using RT-PCR method in Razavi Khorasan province. *Journal of plant protection*. Vol: 23, No: 1, pp: 17-24.

Gharouni kardani, S., Jafarpour, B., Falahati Rastegar, M., Tabasinezhad, F. (2007). Detection of types A of *Beet Necrotic Yellow Vein Virus* (BNYVV) using specific primers in RT-PCR method in Razavi Khorasan province. *Journal of plant protection (Agricultural science and technology)*, Vol: 21, No: 1. pp: 39-47.

Conference papers:

Gharouni Kardani, S., Salati, M. (2021). Molecular Identification of Cucumber mosaic virus (CMV) in Mugwort (*Artemisia vulgaris*) From Khorasan

Razavi province. 5th National Conference on Herbs and Herbal Medicine. Hamedan, Iran. January 19, 2021. Pages 144-152.

Gharouni Kardani, S., Azad Disfani, F., Salati, M. (2020). Introducing *Cotton Leaf Curl Virus* as a Quarantine Disease in Iran. The 1st International Scientific-Extension Conference on Applied Achievements in Cotton. 5-6 Jan. Boshrouyeh-Iran p. 90.

Azad Disfani, F., Karimi Shahri. M. R., **Gharouni Kardani, S.** (2020). The role of root node nematode (*Meloidogyne spp.*) in the incidence of grapevine decline in Khalilabad city. Second International Conference on Agricultural, Natural Resources and Environmental Engineering. 13 Feb. Tehran- Iran

Gharouni Kardani, S., Karimi Shahri. M. R., Kamali, H., Azad Disfani, F. (2019). Detection, Cloning and sequencing of complete coat protein gene of *Grapevine fanleaf virus* in Khorasan Razavi Vineyards. The 1st Iranian Plant Pathology Congress. College of Agriculture and Natural Resources, University of Tehran. Karaj. Iran. p. 305.

Gharouni Kardani, S., Rastegar, Maryam. (2019). First report of cucumber mosaic virus infection, in Purple coneflower (*Echinacea purpurea*) in Iran. The 2nd International Conference on Medicinal Plants, Organic Farming, Natural and Pharmaceutical Ingredients. Mashhad. Iran. p. 140.

Gharouni Kardani, S., Karimi Shahri, M. (2018). The Association of Clover Proliferation Phytoplasma group (16SrVI) with witches'-broom disease of Pepper in Razavi Khorasan province of Iran. 23th Iranian Plant Protection Congress. Gorgan. Iran. p. 383.

Gharouni Kardani, S., Jamshidi, E. (2018). First report of 16SrVI group phytoplasma on cucumber (*Cucumis sativus*) in North Khorasan province of Iran. International conference on Agricultural Science, Medicinal Plants and Traditional medicine. Mashhad. Iran.

Gharouni-Kardani, S., Heydarnejad, J. and Zakiaghl, M. (2014). Report of new strain of *Beet curly top Iran virus* in Khorasan Razavi province. 21st Iranian Plant Protection Congress. August 23-26, Urmia, Iran. p. 383.

Gharouni-Kardani, S., Heydarnejad, J. and Zakiaghl, M. (2014). An uncommon DNA molecule associated with particles of *Beet curly top Iran virus*. 21st Iranian Plant Protection Congress. August 23-26, Urmia, Iran. p. 385.

Gharouni Kardani, S., Jafarpour, B., Heydarnejad, J., Mehrvar, M., Tarighi, S. and Zakiaghl, M. (2012). Identification and genetic diversity of *Tomato yellow leaf curl virus* in North East of Iran. 20th Iranian Plant Protection Congress August 25-28, Shiraz, Iran. p. 863.

Gharouni-Kardani, S., Heydarnejad, J., Zakiaghl, M., Mehrvar, M. (2012). Identification of *Beet curly top Iran virus* in Bean fields of Khorasan Razavi province. 20th Iranian Plant Protection Congress, Shiraz University, p. 862.

Ashnayi, M., Zakiaghl, M., **Gharouni Kardani, S.**, (2012). Identification of a phytoplasma associated with *Cosmos sulphureus* phyllody. 20th Iranian Plant Protection Congress, Shiraz University, p. 502.

Jamshidi, E., Jafarpour, B., Salehi, M., Mehrvar, M., **Gharouni Kardani, S.** (2012). Biology Identification and classification by molecular analysis of 16sr DNA of phytoplasmas associated with cultivated crops showing phyllody in khorasan Razavi and west Azarbayjan provinces. 20th Iranian Plant Protection Congress, Shiraz University, p. 531.

Gharouni Kardani, S., Jamshidi, E. and Zakiaghl, M. (2012). Identification of phytoplasma associated with bean phyllody in East Azarbaijan province 20th Iranian Plant Protection Congress, Shiraz University, p. 567.

Gharouni Kardani, S., Zakiaghl, M., Jamshidi, E. (2012). Amplification, and sequence analysis of extrachromosomal DNA of bean phyllody phytoplasma. 12th Iranian Genetics Congress. Shahid Beheshti University. Tehran. Iran

Gharouni Kardani, S., Tabasinezhad, F., Jafarpour, B., Falahati Rastegar, M. (2006). Detection of type A of *Beet Necrotic Yellow Vein Virus* using specific primers in RT-PCR method in Razavi Khorasan Province. 17th Iranian Plant Protection Congress. September 2-5, Karaj, Iran. p. 107.

Tabasinezhad, F., Jafarpour, B., Falahati Rastegar, M. **Gharouni Kardani, S.** (2006). Detection of *Beet Soil Borne Virus* using specific primers in RT-PCR method in Razavi Khorasan Province. 17th Iranian Plant Protection Congress. September 2-5, Karaj, Iran. p. 105.

Other achievements:

Gharouni-Kardani, Sara., Karimi Shahri, Mahmoud Reza. (2021). Management of tomato big bud phytoplasmal disease. Agricultural Research, Education & Extension Organization. Iranian Research Institute of Plant Protection. Registration No: 59223.