CURRICULUM VITAE

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Academic qualifications

MSc: 2001-2004- Tabriz University (IRAN)
Major- Phytopathology
THESIS- Survey of PPV and PNRSV in East Azarbayjan Province.
This work has been carried out in Tabriz University, Iran. The project was under supervision of Dr. Neamat Sokhandan Bashir and Dr. Reza Khakvar. The project was a survey of 2 important stone fruit viruses PPV and PNRSV in East Azerbaijan Province. We have been used different biological, serological and molecular methods for this survey.

BSc: 1996-2001: Isfahan University of Technology, (IRAN).
Major- Plant Protection

PhD : 2005-2010: Azad university.

Major- Phytoplasmology.

THESIS-Study of Host- Pathogen Interaction During Acid Lime Infection by Acid Lime Witches Broom Phytoplasma ***(Candidatus* Phytoplasma aurantifolia).**

This work has been carried out in ABRII, Iran. The project was under supervision of Dr. Ghasem Hoseini Salekdeh and Dr. Nader Hasanzadeh. The project was a study of LWB phytoplasma interactions with lime trees. We have been used different biological, and molecular methods for this study like grafting, RNA and DNA extraction, cDNA synthesis, AFLP, real time PCR and etc.

Research interests:
Plant phytoplasma diseases detection, Study of etiology of plant diseases, Study of pathogen- host interactions, Identification of resistance genes against plant pathogens.

Selected research projects:

Selected publications:

Journals papers

1. **Ghayeb Zamharir, Maryam**, Mohsen Mardi, Nader Hasan Zadeh, Hamid Reza Zamanizadeh, Ali Alizadeh, Ghasem Hoseini Salekdeh. 2011. Identification of genes differentially expressed during interaction of acid lime infected with *Candidatus* Phytoplasma aurantifolia. BMC Microbiology, 11:1.
2. **Ghayeb Zamharir, Maryam** and Ghasem Hosseini Salekdeh. 2014. Molecular response of Mexican lime tree to ‘‘*Candidatus* Phytoplasma aurantifolia’’ infection. African Journal of Microbiology Research, 7(51): 5766-5770.
3. **Ghayeb Zamharir, Maryam** Ali Alizadeh and Samareh Kachoei. 2014. Phylogenetic analysis of divergent structural organization of nucleotide binding domain encoded by resistance genes and gene homologes in Citrus. International Journal of Agriculture and Crop Sciences. 7:379-385.
4. Gholampour, Hosein, **Maryam Ghayeb Zamharir**, Jaber Karimi, Naser farrokhi, Ali Alizadeh and Peyman Taheri. **2015.** Identification of genes differentially expressed during interaction of Grapefruit infected with *Candidatus* Liberibacter asiaticus in disease late stage. J. phytopathology, 162 (11-12): 811-819, doi: 10.1111/jph.12273.
5. **Ghayeb Zamharir M**., N. Sokhandan Bashir and R. Khakvar. **2006**, Survey of PPV in Iran. EPPO Bulletin 36 (2), 210.
6. **Ghayeb Zamharir, Maryam**, M. Mirabolfathi. 2011. Association of a Phytoplasma with Pistachio Witches’ Broom Disease in Iran. Journal of Phytopathology**.** 159:60-62. DOI: 10.1111/j.1439-0434.2010.01697.x.
7. **Ghayeb Zamharir, Maryam**, Hosein Azimi, 2018. Detection and characterization of a phytoplasma associated with cucumber (*Cucumis sativus*) regional yellows disease in Iran. Archives of Phytopathology and Plant Protection, 519(15-16): 889-893.
8. Taheri, Farzan, **Ghayeb Zamharir, Maryam**, Mohsen Mardi, Ghasem Hoseini Salekdeh. 2011. Proteomic analysis of the Mexican lime tree response to “*Candidatus* Phytoplasma aurantifolia” infection. Molecular biosystem, 7: 3028–3035.

9. Taheri, Peyman, **Maryam Ghayeb Zamharir**, Jaber Karimi, Naser farrokhi, Ali Alizadeh and Hosein Gholampour. **2015.** Study of gene expression pattern in *Citrus grandis* plants infected by *Candidatus Liberibacter* asiaticus at symptoms developing in sensitive host. Plant pest and disease journal. Journal of entomology and phytopathology, 83 (1): 15-26.
10. **Ghayeb Zamharir, Maryam**, 2011. Phytoplasmas associated with *Almond* witches' broom disease: An overview. African Journal of Microbiology Research, 5(33): 6013-6017.
11. **Ghayeb Zamharir, Maryam.** 2014. Molecular study of a new disease of peach in Iran associated with a phytoplasma. Advanced in microbiology research, 4: 20-24.
12. Mianabi, S., M. Mirabolfathy AND **M. Ghayeb- Zamharir.** 2014. Molecular studies on *Fusarium graminearum* clade of wheat crop at Ardabil province in Iran. Agriculturel Biotechnology, 5 (2): 89-97.
13. Hamzeh, Kazhal, **Maryam Ghayeb Zamharir**, Ali Alizadeh, Samareh Kachoei. 2014. Study of quantitative expression of citrus tristeza virus resistance gene homolouge in the infected citrus by citrus greening pathogen. Applied plant protection, 4:12
14. Tohidfar, Masoud and **Maryam Ghayeb Zamharir**. 2016. Isolation, cloning and bioinformatic study of a resistance gene against Asian strain of citrus greening librobacter in grapefruit plant. GEBS journal, 5 (2): 10-23.
15. **Ghayeb Zamharir M**, Razavi R, 2016. First finding of a 'Candidatus Phytoplasma fraxini'-related strain associated with disease of olive in Iran. New Disease Reports 34, 10. [http://dx.doi.org/10.5197/j.2044-0588.2016.034.010]
16. **Ghayeb Zamharir M**, 2016. Association of a 'Candidatus Phytoplasma solani'-related strain with pistachio in Iran. New Disease Reports 34, 9. [http://dx.doi.org/10.5197/j.2044-0588.2016.034.009]
17. **Ghayeb Zamharir Maryam**, Seyed Mahdi Shetab Boshehri and Yadollah Khajehzadeh, 2016. Candidatus Phytoplasma fraxini related (16s rRNAVII) strain associated with date yellows disease in Iran. Australasian Plant Disease Notes. 11:31. DOI: 10.1007/s13314-016-0220-7
18. **Ghayeb Zamharir, M.** and Mohammad Mohammadipour. 2016. Detection and Characterization of New Phytoplasma Associated With Elaeagnus angustifolia Proliferation in Iran. Phytopathogenic Mallicutes, 6 (2): 99-101
19. **Ghayeb Zamharir Maryam**, Shokrollah Hajivand, Samanta Paltrinieri, Assunta Bertaccini. 2017. Identification and characterization of phytoplasma related to group II associate with grape decline in Iran. Molecular identification of diverse 'Candidatus Phytoplasma' species associated with grapevine decline in Iran. Journal of Phytopathology. 165 (7-8):407-413.doi.org/10.1111/jph.12574.
20. **Ghayeb Zamharir Maryam**. 2017. First report of a 'Candidatus Phytoplasma phoenicium'-related strain (16Sr IX) associated with Salix witches' broom in Iran. New Disease Reports 35, 37.

21. **Ghayeb Zamharir Maryam** and Peyman Tahery. 2017. 'Candidatus Phytoplasma solani' related strain associated with Babylon willow witches' broom in central provinces of Iran. Australasian Plant Disease Notes, 12: 47.
22. **Ghayeb Zamharir Maryam**. 2017. Molecular study of phytoplasmas associated with pistachio yellows in Iran. Journal of Phytopathology. 166(3): 161-166. DOI: 10.1111/jph.12672.
23. **Ghayeb Zamharir, M**. and M. Aldaghi. 2018. First report of a 'Candidatus Phytoplasma trifolii'-related strain associated with soybean bud proliferation and seed pod abortion in Iran. New Disease Reports 37, 15.
24. **Ghayeb Zamharir Maryam**, 2017. Association of a 'Candidatus Phytoplasma solani'-related strain with bindweed witches' broom in Iran. Phytopathogenic Mallicutes, 7 (2): 111-113.
25. Abassi, A., **M. Ghayeb Zamharir**, Masoud Tohidfar and Nader Hasanzadeh. 2019. Isolation, cloning and bioinformatic analysis of cytochrom oxidase C subunit I in Citrus. Journal of cellular and molecular research, 32(4): 539-552.
26. **Ghayeb Zamharir, M**. 2018. Association of 'Candidatus Phytoplasma trifolii' related strain with white willow proliferation in Iran. Australasian Plant Disease Notes, 13**,** 17 (2018). https://doi.org/10.1007/s13314-018-0300-y
27. Fatemeh Gharaei, **Maryam Ghayeb Zamharir**. 2020. Isolation, cloning, sequencing and bioinformatic study of a resistance gene analouge against tomato mosaic virus in two native types of cantaloupe to Iran. Journal of cellular and molecular research, 33(1): 103-114.
28. Fatemeh Gharaei, **Maryam Ghayeb Zamharir**. 2017. Study of New NBS-LRR Genes Analogues in Cucurbits Native Types in Iran. Iranian journal of Genetic and plant breading, 1(6):8-15.
29. Narges Malek Berami, **Maryam Ghayeb Zamharir**, Amir Mohammad Naji. 2018. Study of resistance gene analoguse in different native type almonds. MGj, 13 (2) :273-280.
30. Abasi, Ali, **Maryam Ghayeb Zamharir**, Nader Hasanzadeh, Masoud Tohidfar, 2019. Identification of a group 16SrIX 'Candidatus Phytoplasma phoenicium' phytoplasma associated with sweet orange exhibiting decline symptoms in Iran. Australasian Plant Disease Notes, 14:11-16.
31. **Ghayeb Zamharir, Maryam** and Omolbanin Nazari, 2019. Identification of 16SrIX-B phytoplasmas associated with apricot rosette in Iran. Phytopathogenic Mollicutes, 9(1): 219- 223.
32. **Ghayeb Zamharir, Maryam**, Mohammad Reza Eslahi. 2018. Molecular Study of Two Distinct Phytoplasma Species Associated with Streak Yellows of Date Palm in Iran. journal of phytopathology. 167 (1): 19-25.
33. **Ghayeb Zamharir M.,** F. Mozaffarian and A. Hosseini-Gharalari.2019. Molecular detection of grape decline Phytoplasma in leafhopper species associated with infected grapevines in Iran. Acta Phytopathologica et Entomologica Hungarica 54 (1): 103–112.

34. Mahmoudi, H., M. Salari, **M. Ghayeb Zamharir**, M. Ghorbani. 2019. Molecular study of a phytoplasma associated with safflower fasciation in Iran. Phytopathogenic Mollicutes, 9(1): 27- 28.
35. **Ghayeb Zamharir, Maryam**, Mohammad Razavi and Hojat Rabbaninasab. 2019. First report of '*Candidatus* Phytoplasma trifolii'-related strain presence in *Juniperus procubens* witches' broom in Iran. Phytopathogenic Mollicutes 9 (2), 310-314. doi: 10.5958/2249-4677.2019.00130.0.
36. **Ghayeb Zamharira, M**. and M. Taheri. 2019. Effect of new resistance inducers on grapevine phytoplasma disease. ARCHIVES OF PHYTOPATHOLOGY AND PLANT PROTECTION 52: 1207-1214, https://doi.org/10.1080/03235408.2019.1699385.
37. Ghayeb Zamharir, Maryam, Majeed Askari Seyahooei, Mostafa Pirseyedi. 2020. "Witches' broom" disease of lime suppressed by some resistance Inducers. Indian Phytopathology 73: 517-525, https://doi.org/10.1007/s42360-020-00222-1.
38. Mahmoudi, H., M. Salari, **M. Ghayeb Zamharir**, M. Ghorbani. 2020. Identification of 'Candidatus phytoplasma aurantifolia' associated with leaf yellowing of Narcissus tazetta in Iran. Indian Phytopathology, 73: 777–780. https://doi.org/10.1007/s42360-020-00247-6.
39. Mahmoudi, H., **M. G. Zamharir**, M. Salari and M. Ghorbani. 2019. Molecular Study of a Phytoplasma Associated with Safflower Fasciation in Iran. Acta Phytopathologica et Entomologica Hungarica 54 (2), pp. 1–8. DOI: 10.1556/038.54.2019.022
40. Mahmoudi, H., **M. G. Zamharir**, M. Salari and M. Ghorbani. 2020. Detection and Identification of a Phytoplasma Associated with Rapeseed Fasciation in Iran. Acta Phytopathologica et Entomologica Hungarica 55 (2), pp. 151–160. DOI: 10.1556/038.55.2020.015
41. Rastegar Leila, **Maryam Ghayeb Zamharir**, Wen-Jing Cai, Hossein Mighani, Alireza Ghassempour, Yu-Qi Feng, 2020. Treatment of Lime Witches' Broom Phytoplasma-Infected Mexican Lime with a Resistance Inducer and Study of its Effect on Systemic Resistance. Journal of Plant Growth Regulation, https://doi.org/10.1007/s00344-020-10194-1.
42. **Ghayeb Zamharir, Maryam,** Samira Shameli, Ali Hoseini Gharalari. 2020. Detection and molecular characterization of two genetically distinct phytoplasmas associated with mungbean seed pod abortion in Iran. Australasian Plant Pathology, doi:10.1007/s13313-021-00795-z.
43. **Ghayeb Zamharir, Maryam** and Ali Dehghani. 2020. Molecular detection of a 16SrIX-E phytoplasma in chickpea affected by witches' broom disease in Iran. Phytopathogenic Mollicutes**,** Vol. 10 (2): 182-187. doi: 10.5958/2249-4677.2020.00018.3.
44. **Ghayeb Zamharir, Maryam.** 2020. Molecular diversity and distribution of phytoplasma diseases in Iran. Phytopathogenic Mollicutes. Vol. 10 (2): 126-139. doi: 10.5958/2249-4677.2020.00024.9.

45. Abassi, Ali, **Maryam Ghayeb Zamharir**, Nader Hasanzadeh and Masoud Tohidfar.2021. Study on the expression of NBS-LRR gene analogue (NBS552) in Citrus species infected with 'Candidatus Liberibacter asiaticus' and phytoplasmas. Phytopathogenic Mollicutes, Vol. 11 (1): 69-75. doi: 10.5958/2249-4677.2021.00010.4.

Conference papers:

1. **Ghayeb Zamharir M.**, N. Sokhandan Bashir and R. Khakvar.2004. First report of Almond Calico in Iran. *16th Iranian Plant Protection Congress. Tabriz Univ. of Tabriz, Iran. 228.*
2. **Ghayeb Zamharir M** . 2007. Detection of Almond witches broom phytoplasma in important almond growing areas of Iran. International symposium on viruses of ornamental and temprate fruit crops.
3. **Ghayeb Zamharir M** . 2007. Situation of PPV in Iran. International symposium on viruses of ornamental and temprate fruit crops.
4. **Ghayeb Zamharir M** . 2007. pistacia witches broom in Iran. International symposium on viruses of ornamental and temprate fruit crops.
5. **Ghayeb Zamharir M**. and M.Mohammadipour. 2007. Russion olive witches broom in Iran. International symposium on viruses of ornamental and temprate fruit crops.
6. **Ghayeb Zamharir,Maryam,** Mohammad Sirjani, Naser Sahragard, Mohammad Mohamadipour and Seyed Alireza Esmaelzadeh Hoseini.2010. Genetic variation of Almond Witches"s Broom phytoplasma from Different Almond Growing Areas in Iran.11 th Iran Genetics Congress. Tehran, Iran.
7. **Ghayeb Zamharir, Maryam**, Nader Hasan Zadeh, Hamidreza Zamanizadeh, Ali Alizadeh, Mohsen Mardi, Ghasem Hoseini Salekdeh. 2010. cDNA-AFLP analysis of plant and pathogen genes expressed in acidlime infected with *Candidatus* Phytoplasma aurantifolia. 11 th Iran Genetics Congress. Tehran, Iran.
8. **Ghayeb Zamharir, Maryam**, Nader Hasan Zadeh, Hamidreza Zamanizadeh, Ali Alizadeh, Mohsen Mardi, Ghasem Hoseini Salekdeh. 2010. Study on the expression of an arabinogalactan gene like in Mexican lime during infection with *Candidatus* Phytoplasma aurantifolia. A current opinion in cell biology conference: Cellular host- pathogen intraction. Amesterdam, The Netherland.
9. **Ghayeb Zamharir, Maryam**, Nader Hasan Zadeh, Hamidreza Zamanizadeh, Ali Alizadeh, Mohsen Mardi, Ghasem Hoseini Salekdeh. 2010. **Study of Mexican lime** genes expression during infection with *Candidatus* Phytoplasma aurantifolia**.** A current opinion in cell biology conference: Cellular host- pathigen intraction. Amesterdam, The Netherland.
10. **Ghayeb Zamharir, Maryam**, Nader Hasan Zadeh, Hamidreza Zamanizadeh, Ali Alizadeh, Mohsen Mardi, Ghasem Hoseini Salekdeh. 2010. An autophagy-associated Atg5 protein is involved in the responses of acid lime to infection with *Candidatus* Phytoplasma aurantifolia. 19 th Iranian plant protection congress, Tehran, Iran.
11. Hasan Pour, Abolghasem and **Ghayeb Zamharir, Maryam**. 2010. Investigation on effect of growth regulators, antibiotics, mineral elements and supplementary water on behavior of *Candidatus* Phytoplasma aurantifolia. 19 th Iranian plant protection congress, Tehran, Iran.

12. Taheri, Farzan, **Ghayeb Zamharir, Maryam,** Mohsen Mardi, Ghasem Hoseini Salekdeh. 2010. Proteom Analysis of acid lime to infection with *Candidatus* Phytoplasma aurantifolia. 3 th Iranian proteomix congress. Tehran, Iran.
13. **Maryam Ghayeb Zamharir**, Ali Alizadeh. 2012. Isolation of Resistance Gene Analogues (RGAs, NBS-LRR family) in different citrus species. 12 th Iran Genetics Congress, Tehran/Iran.
14. **Maryam Ghayeb Zamharir**, Ghasem Hoseini Salekdeh and mohsen mardi. 2012. Down regulation of modifier of *snc*1 (*Mos*1) in acid lime infected disease by *Candidatus* Phytoplasma aurantifolia, 12 th Iran Genetics Congress, Tehran/Iran.
15. Peyman Taheri, **Maryam Ghayeb zamharir**, Jaber Karimi ,Naser Farrokhi, Amir mohammad Naji, Ali alizaeh and Hosein Gholampour. 2012. Up regulation of in beta(1,3)-glucanosyltransferases in relatively resistance citrus to citrus greening disease. 12 th Iran Genetics Congress, Tehran/Iran.
16. Gholampour , Hosein, **Maryam Ghayeb zamharir**, Jaber Karimi, Naser farrokhi, Ali Alizadeh and Peyman Taheri.2012. Interaction study of grapefruit with *Candidatus* Leiberibacter aciaticus in late disease development stage**.** 3rd Iranian Agricultural Biotechnology Congress, Ferdowsi University Of Mashhad/Iran. Pp.890.
17. Taheri, Peyman, Maryam Ghayeb zamharir, Jaber Karimi, Naser farrokhi, Ali Alizadeh and Hosein Gholampour. 2012. Interaction study of *Citrus grandis* with *Candidatus* Leiberibacter asiaticus in late disease development stage. 3rd Iranian Agricultural Biotechnology Congress, Ferdowsi University Of Mashhad/Iran. Pp.897.
18. MianAbi, Sajad, Mansoreh mirabolfathi, **Maryam Ghayeb zamharir**. 2012. Identification of *Fusarium asiaticum* using Amonia ligase 2 by Competition PCR. 3rd Iranian Agricultural Biotechnology Congress, Ferdowsi University Of Mashhad/Iran. Pp.369
19. Hamzeh, Kazhal, **Maryam Ghayeb Zamharir**, Ali Alizadeh, Samareh Kachoei. 2013.Study of quantitative expression of citrus tristeza virus resistance gene homolouge in the infected citrus by citrus greening pathogen8 th Iran Biotechnology Congress,
20. Hamzeh, Kazhal, **Maryam Ghayeb Zamharir**, Ali Alizadeh, Samareh Kachoei. 2013.Optimization of semi-quantitative RT PCR analysis for NBS-LRR resistance gene expression in the infected citrus by citrus greening pathogen. 8 th Iran Biotechnology Congress, Tehran/Iran.
21. **Maryam Ghayeb Zamharir**, Samareh Kachoei, Ali Alizadeh. 2013. "Grape schorch,a disease with new microbial coasal agent. BioMicroWorld2013, madrid, Spain.
22. **Maryam Ghayeb Zamharir**, Ali Alizadeh, 2012. Comparative gene expression analysis of tolerance citrus during infection by Candidatus Leiberibacter asiaticus. BioMicroWorld2013, madrid, Spain.
23. **Maryam Ghayeb Zamharir**, Ali Alizadeh and samareh Kachoei. 2014. Phylogenetic analysis of divergent structural organization of nucleotide binding domain encoded by resistance genes and gene homologes in Citrus.1st international and 13th Iranian Genetic congress.

24. Gharaei Fatemeh, **Maryam Ghayeb Zamharir**, Pezhman Moradi. 2016. Study of nucleotide binding domain encoded by resistance genes in Iranian native type cucurbits. 2st international and 14th Iranian Genetic congress.
25. **Maryam Ghayeb Zamharir**, 2016. 16S rRNA-RFLP method optimizing for studying phytoplasmas associated with salix witches broom in Iran. 2st international and 14th Iranian Genetic congress.
26. Malek Berami, Narges**, Maryam Ghayeb Zamharir**, Amir Mohammad Naji. 2016. Phylogenetic analysis of nucleotide binding domain encoded by resistance genes in *Prunus amygdaluse.* 2st international and 14th Iranian Genetic congress.
27. **Ghayeb Zamharir, Maryam**, Ali Dehghani and Shokrolah Hajivand. 2016. Genetic diversity of phytoplasmas associated with grape decline in Qazvin and Lorestan provinces. 2st international and 14th Iranian Genetic congress.
28. Mahmoudi, Hadi, Mohammad Salari, **Maryam Ghayeb Zamharir** and Morteza Ghorbani. 2019. Molleculla study of a Phytoplasmas Associated with Rapeseed Fasciation in Iran. 1th Iranina plant pathology congress. Tehran.
29. Mahmoudi, Hadi, Mohammad Salari, **Maryam Ghayeb Zamharir** and Morteza Ghorbani. 2019. Identification of 'Candidatus phytoplasma aurantifolia' associated with leaf yellowing of Narcissus tazetta in Iran. 1th Iranina plant pathology congress. Tehran.
30. **Ghayeb Zamharir, Maryam,** Omolbanin Nazari. 2019. Identification of 16SrIX-B phytoplasma associated with apricot rosette in Iran. INTERNATIONAL PHYTOPLASMOLOGIST WORKING GROUP.
31. Mahmoudi, Hadi, Mohammad Salari, **Maryam Ghayeb Zamharir** and Morteza Ghorbani. 2019. Molecular study of a phytoplasma associated with safflower fasciation in Iran. INTERNATIONAL PHYTOPLASMOLOGIST WORKING GROUP.
32. **Ghayeb Zamharir, Maryam. 2021.** Phylogenetic Analysis of ChickPea Witches broom Phytoplasma in Iran. 6th International Conference on Bacteriology" held on July 12, 2021 | Webinar.
33. **Ghayeb Zamharir, Maryam. 2021.** Effect of new resistance inducers on grapevine phytoplasma disease. 6th International Conference on Bacteriology" held on July 12, 2021 | Webinar.
34. **Ghayeb Zamharir, Maryam,** Hossein Azimi, Saeid Modarres and Ali Abbasi. 2021. Evaluation of the effect of Trifluxobacteria + flupiram and pyraclostrobin +

buskalide on Botrytis cinerea in greenhouse cucumber mold. 5th International Conference on New Research in Agriculture, Environment and Natural Resources. 21 July 2021. Tehran.

35. **Ghayeb Zamharir, Maryam and Maryam Ghayeb Zamharir.** 2021. Study of Phytoplasmas Associated with Mungbean Seed Pod Abortion by In silico RFLP Markers. 12th national and 4th international biotechnology congress of Iran. 22-24 August 2021. Tehran.
36. **Khezri, Maryam and Ghayeb Zamharir, Maryam.** 2021. Genetic and bioinformatics study of phytoplasma isolates of tomato big buds in Iran. 12th national and 4th international biotechnology congress of Iran. 22-24 August 2021. Tehran.
37. **Ghayeb Zamharir, Maryam.** 2021. Study of Tuf gene in phytoplasma isolates with grape decay in Iran. 12th national and 4th international biotechnology congress of Iran. 22-24 August 2021. Tehran.

Books:

1) Alizadeh, Ali. 2009.Citrus greening. AREO Press. (Editore: **Maryam Ghayeb Zamharir**).
2) **Ghayeb Zamharir Zamharir, Maryam** and Ali Alizadeh. 2012. Phytoplasmas. IRIPP press. 299 Pp.

Theses supervised:

Hadi Mahmoudi, (PhD candidate). Zabol University

Jebreeil Bahmani, (PhD candidate). Islamic Azad University.

Davoud Ghanbari, (PhD candidate). Islamic Azad University.

Ali Abbasi, (PhD candidate). Islamic Azad University

Fatemeh Gharaei, (MSc.), Islamic Azad University

Narges MalekBerami, (MSc.), Shahed University.

Hosein Gholampour, (MSc.), Shahed University.

Peyman Taheri, (MSc.), Shahed University.

Samareh kachoei. (MSc), Islamic Azad University, Varamin Unit

Kazhal hamzeh (MSc). Islamic Azad University, Varamin Unit

Sajad MianAbi (MSc), Islamic Azad University, Varamin Unit.

Software and E-publications:

1) Citrus disease application (2022)
2) Citrus anthracnose (2021)
3) Date dry and streak yellows phytoplasma disease (2021)
4)

Other achievements:

1. Ghayeb Zamharir, Maryam, Hossein Azimi, Saeid Modares Najafabadi, Ali Abasi. 2021. Management of grey mold disease in greenhouse cucumber (Applied Instruction).
2. Ghayeb Zamharir, Maryam, Samira Shameli. 2021. Seed pod abortion disease of soybean (Technical Tract).
3.