CURRICULUM VITAE

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ACADEMIC QUALIFICATIONS

BSc (Plant Protection): Department of Plant Protection, College of Agriculture, University of Tabriz, Tabriz, Iran, 1997–2001.

MSc (Plant Pathology): Department of Plant Protection, College of Agriculture, University of Tabriz, Tabriz, Iran, 2001–2003.

- **Title of MSc Dissertation:** "Identification of barley leaf and stem mycoflora in East Azerbaijan Province of Iran". Supervisors: Prof. R. Zare & Prof. Ebrahim Payghami.

PhD (Mycology): Department of Plant Pathology, Science and Research Branch, Islamic Azad University, Tehran, Iran, 2006–2012.

- **Title of PhD Dissertation:** "Systematics of *Aspergillus* species associated with cereals in the Northwest of Iran". Supervisor: Prof. R. Zare.

WORKING EXPERIENCE

1. Mycologist (Assistant Professor), Department of Botany, Iranian Research Institute of Plant Protection, Tehran, Iran, 2005–present.
2. Coordinator/Curator of the Iranian Fungal Culture Collection (IRAN), Iranian Research Institute of Plant Protection, Tehran, Iran, 2005–present
3. Head of Department of Botany, Iranian Research Institute of Plant Protection, Tehran, Iran, 2017–2020.
4. Deputy Head of Department of Botany, Iranian Research Institute of Plant Protection, Tehran, Iran, 2013–2017.

COMPLETED RESEARCH PROJECTS

1. Development of Fungal Culture Collection of Iran, 2003–2006.
2. An investigation on biodiversity of *Chaetomium* species on cereals in East Azerbaijan, West Azerbaijan and Ardabil provinces, 2005–2009.
3. Taxonomic study of *Aspergillus* species on cereals in the Northwest region of Iran, 2006–2011.
4. Taxonomic study of teleomorphic states of *Aspergillus* on cereals in the Northwest region of Iran, 2006–2011.
5. Taxonomic study of *Cytospora* species on apple trees in Iran, 2007–2010.
6. Taxonomic Research on Iranian Fungal and Flora, 2008–2009.
7. Phylogenetic study of *Aspergillus* species obtained from cereals in the Northwest region of Iran, 2008–2011.
8. Taxonomic study on *Botryosphaeria* and its anamorphs in the North and Northwest regions of Iran, 2009–2012.
9. DNA barcoding of *Aspergillus* species on cereals in the Northwest region of Iran, 2008–2014, **supported by a research grant from the Iranian National Science Foundation, INSF (87020046)**.

10. Development of the fungal culture collection of Iran: Freeze-drying preservation, 2011–2016.
11. Survey on the fungal and bacterial flora of sugarcane rhizosphere in selected fields of Khuzestan province and their association with sugarcane yield, 2013–2018, **supported by a research grant from the Sugarcane and By-products Development Company (14-16-16-9251).**
12. Survey on non-mycorrhizal fungi of sugarcane rhizosphere in selected fields of Khuzestan province and their association with sugarcane yield, 2013–2018, **supported by a research grant from the Sugarcane and By-products Development Company (14-16-16-9251).**
13. Survey on arbuscular mycorrhizal fungi of sugarcane rhizosphere in selected fields of Khuzestan province in relation with sugarcane yield, 2013–2018, **supported by a research grant from the Sugarcane and By-products Development Company (14-16-16-9251)**.
14. Taxonomic study of the Botryosphaeriaceae associated with citrus trees in Northern Iran, 2016–2019.
15. An investigation on the probable role of biotic plant pathogens on occurrence of pomegranate aril whitening in Southern Khorasan, 2016–2019.
16. Taxonomic study of the Downy Mildews in Northern provinces of Iran, 2016–2019.
17. National project on genetic resources of fungi and fungus-like organisms of Iran (Phase 1), 2017–2019, **supported by a research grant from the Supreme Council for Science, Research and Technology of Iran (24-16-16-033-960117).**
18. Screening and selection of entomopathogenic fungal isolates for control of the greenhouse whitefly *Trialeurodes vaporariorum*, 2018–2020.
19. Isolation and identification of fungal endophytes from seeds of wheat and its relatives (Poaceae) in the West and Northwest regions of Iran, 2018–2022, **supported by a research grant from the Iranian National Science Foundation, INSF (96010651)**.
20. Studying the virulence of important causal fungi of grapevine trunk diseases (GTD) in Iran, 2018–2023.
21. Morphological and molecular identification of fungi and prokaryotes causing leaf spot and leaf die-back disease of date palm in south of Kerman, 2019–2021.

22. Phylogeny and DNA barcoding of the *Erysiphe* species in Iran, 2018–2024, **supported by a research grant from the Iranian National Science Foundation, INSF (96007836).**
23. Identification of fungal endophytes from aerial parts of rice and barnyard grass weed in paddy fields of northern Iran, 2019–2025.
24. Screening and identification of cytotoxic natural products from sponge-associated fungi, 2021–2025.
25. Study of the efficiency of Natamycin (Cerafruta® SC) on controlling of orange green mold, 2023–2025.

ONGOING RESEARCH PROJECTS

1. Biological control of the important rice diseases using endophytic fungi and bacteria of rice, since 2019.
2. Biological control of important diseases of rice seedling in nursery using fungal and bacterial endophytes, since 2022.

JOURNALS PAPERS

1. **Asgari, B.**, Zare, R. and Payghami, E. 2004. Hyphomycetous fungal community of barley phylloplane in East Azerbaijan province with emphasis on new taxa for Iranian fungal flora. Rostaniha 5(2): 171–197. [in Persian with English summary]
2. Davari, M. and **Asgari, B.** 2005. *Armillaria mellea*, a cause of oak decline in Hatam-Baigh forest of Iran. Communications in Agricultural and Applied Biological Sciences 70(3): 295–304.
3. **Asgari, B.** and Zare, R. 2006. Two new *Coniochaeta* species from Iran. Nova Hedwigia 82(1-2): 227–236.
4. **Asgari, B**., Zare, R. and Gams, W. 2007. *Coniochaeta ershadii*, a new species from Iran and a key to well-documented *Coniochaeta* species. Nova Hedwigia 84(1-2): 175–187.
5. **Asgari, B.**, Zare, R. and Søchting, U. 2007. Report of two new myxomycetous species from Golestan Province. Rostaniha 8(2): 233–236. [In Persian with English summary]
6. Zare, R. and **Asgari**, **B.** 2007. Report of two new hyperparasitic species from Golestan Province. Rostaniha 8(2): 229–232. [In Persian with English summary]

7. **Asgari, B.**, Zare, R. and Javadi-Estahbanati, A.R. 2008. *Preussia typharum*, a new ascomycetous species to the mycoflora of Iran. Rostaniha 9(2): 262–264. [In Persian with English summary]
8. **Asgari, B.** and Zare, R. 2010. Two new species of *Preussia* from Iran. Nova Hedwigia 90(3-4): 533–548.
9. Mirzaee, M.R., **Asgari, B.**, Zare, R. and Mohammadi, M. 2010. Association of *Microascus cirrosus* (*Microascaceae*, Ascomycetes) with brown leaf spot of pistachio in Iran. Plant Disease 94(5): 642.
10. Zare, R., **Asgari, B.** and Gams, W. 2010. The species of *Coniolariella*. Mycologia 102(6): 1383–1388.
11. **Asgari, B.** and Zare, R. 2011. A contribution to the taxonomy of the genus *Coniocessia* (Xylariales). Mycological Progress 10: 189–206.
12. **Asgari, B.** and Zare, R. 2011. The genus *Chaetomium* in Iran, a phylogenetic study including six new species. Mycologia 103(4): 863–882.
13. Babolhavaeji, F. and **Asgari, B.** 2011. Notes on biology and morphology of *Platychora ulmi*, the causal agent of elm trees leaf spot in Hamedan. Applied Entomology and Phytopathology 78(2): 292–293 (289–291 in Persian).
14. Boujari, J., Ershad, J., Abbasi, M., Zare, R., **Asgari, B.**, Arefipour, M. and Adel, F. 2011. Mycobiota survey of imported wood from Russia. Iranian Journal of Forest and Range Protection Research 8(2): 95–110.
15. **Asgari, B.**, Zare, R., Zamanizadeh, H.R. and Rezaee, S. 2012. Systematics of *Aspergillus* species of subgenus *Nidulantes* in Iran. Rostaniha 13(2): 126–151.
16. Ashkan, S.M., Zare, R. and **Asgari, B.** 2012. A study on *Stigmina* leaf spot of plane tree and its hyperparasite in Mazandaran and Guilan provinces, Iran. Iranian Journal of Plant Protection 1(1): 1–11. [in Persian with English summary]
17. **Asgari, B.**, Zare, R., Zamanizadeh, H.R. and Rezaee, S. 2014. *Aspergillus osmophilus* sp. nov., and a new teleomorph for *A. proliferans*. Mycoscience 55: 53–62.
18. Amini Rad, M., Eskandari, M., Shirzadian, S., Dadkhahipour, K., Asef, M.R., Aliabadi, F., **Asgari, B.** and Zare, R. 2015. List of collectors of the Herbarium Ministerii Iranici Agriculturae "IRAN". Rostaniha 16(Suppl. 1): 53–73.
19. Amini Rad, M., Shirzadian, S., Dadkhahipour, K., Asef, M.R., Aliabadi, F., **Asgari, B.** and Zare, R. 2015. List of determiners of the Herbarium Ministerii Iranici Agriculturae "IRAN". Rostaniha 16(Suppl. 1): 74–81.

20. **Asgari, B.** and Zare, R. 2015. An introduction to the Herbarium Ministerii Iranici Agriculturae "IRAN". Rostaniha 16(Suppl. 1): 20–35.
21. **Asgari, B.**, Aliabadi, F. and Babaee, Z. 2015. Publications of Department of Botany. Rostaniha 16(Suppl. 1): 133–169.
22. Ghobad-Nejhad, M., **Asgari, B.** and Chaharmiri Dokhaharani, S. 2017. Notes on some endophytic fungi isolated from *Quercus brantii* in Dena region of Kohgiluyeh and Boyer-Ahmad province, Iran. Mycologia Iranica 4(1): 1–12.
23. Mehrabi, M., Hemmati, R. and **Asgari, B.** 2017. *Kirschsteiniothelia arasbaranica* sp. nov., and an emendation of the *Kirschsteiniotheliaceae*. Cryptogamie Mycologie 38(1): 13–25.
24. Najjar, S., Mohammadi, A., **Asgari, B.** and Mohammadi, A.H. 2017. Aflatoxin-producing *Aspergillus* species from saffron field soils in the South Khorasan province of Iran. Archives of Phytopathology and Plant Protection 50(7-8): 349–360.
25. Vahedi-Darmiyan, M.E., Jahani, M., Mirzaee, M.R. and **Asgari, B.** 2017. A noteworthy record of endophytic *Quambalaria cyanescens* from *Punica granatum* in Iran. Czech Mycology 69(2): 113–123.
26. Mehrabi, M., **Asgari, B.** and Hemmati, R. 2018. *Knufia perfecta*, a new black yeast from Iran, and a key to *Knufia* species. Nova Hedwigia 106(3-4): 519–534.
27. Mehrabi, M., **Asgari, B.**, Wijayawardene, N.N. and Hyde, K.D. 2018. Description of *Dermea persica* (*Dermateaceae*, *Helotiales*), a new asexual Ascomycete from Iran, and an updated key to *Dermea* species. Phytotaxa 367(1): 025–037.
28. Zamora, J.C., Svensson, M., Kirschner, R., Olariaga, I., Ryman, S., Parra, L.A., Geml, J., Rosling, A. Adamčík, S., *et al.* 2018. Considerations and consequences of allowing DNA sequence data as types of fungal taxa. IMA Fungus 9(1): 167–175.
29. Abdi Moghadam, Z., Hosseini, H., Hadian, Z., **Asgari, B.**, Mirmoghtadaie, L., Mohammadi, A., Shamloo, E. and Haji Seyed Javadi, N. 2019. Evaluation of the antifungal activity of cinnamon, clove, thymes, *Zataria multiflora*, cumin and caraway essential oils against ochratoxigenic *Aspergillus ochraceus*. Journal of Pharmaceutical Research International 26(1): 1–16.
30. Javar, S., Farrokhi, Sh., **Asgari, B.** and Parsi, F. 2019. Investigating on the potential of local isolates of entomopathogenic fungi as biological control agents against

greenhouse whitefly *Trialeurodes vaporariorum*. Biocontrol in Plant Protection 7(1): 127–142.

31. Khodaparast, A., Ghobakhloo, A., **Asgari, B.**, Aliabadi, F. and Sajedi, S. 2019. Notes on two powdery mildew fungi (*Erysiphe magnifica* and *E. corylacearum*) from Iran. Mycologia Iranica 6(1): 1–7.
32. Mehrabi, M., **Asgari, B.** and Hemmati, R. 2019. Two new species of *Eutypella* and a new combination in the genus *Peroneutypa* (Diatrypaceae). Mycological Progress 18: 1057–1069.
33. Mehrabi, M., **Asgari, B.** and Zare, R. 2020. Description of *Allocanariomyces* and *Parachaetomium*, two new genera, and *Achaetomium aegilopis* sp. nov. in the Chaetomiaceae. Mycological Progress 19: 1415–1427.
34. Tavakol Noorabadi, M., Babaeizad, V., Zare, R., **Asgari, B.**, Haidukowski, M., Epifani, F., Stea, G., Moretti, A., Logrieco, A.F. and Susca, A. 2020. Isolation, molecular identification, and mycotoxin production of *Aspergillus* species isolated from the rhizosphere of sugarcane in the South of Iran. Toxins 12(122): 1–14.
35. Ahmadpour, S.A., Mehrabi-Koushki, M., Farokhinejad, R., **Asgari, B.,** Javadi Estahbanati, A., Mirabolfathy, M. and Rahnama, K. 2021. New records of fungal species of the family Didymellaceae from Iran. Mycologia Iranica 8(2):119–133.
36. Darsaraei, H., Khodaparast, S.A., Mousanejad, S., **Asgari, B.**, Aliabadi, F. and Sajedi, S. 2021. Taxonomic revision of *Erysiphe* sect. *Uncinula* (Erysiphaceae, Helotiales) in Iran. Mycologia Iranica 8(2): 51–65.
37. Darsaraei, H., Khodaparast, S.A., Takamatsu, S., Abbasi, M., **Asgari, B.**, Sajedi, S., Götz, M., Liu, S.-Y., Feng, J., Bradshaw, M., Bulgakov, T. and Braun, U. 2021. Phylogeny and taxonomy of the *Erysiphe adunca* complex (Erysiphaceae, Helotiales) on poplars and willows. Mycological Progress 20: 517–537.
38. Ahmadpour, S.A., Mehrabi-Koushki, M., Farokhinejad, R. and **Asgari, B.** 2022. New species of the family *Didymellaceae* in Iran. Mycological Progress 21: 28.
39. Ahmadpour, S.A., Mehrabi-Koushki, M., Farokhinejad, R. and **Asgari, B.** 2022. *Xenodidymella iranica* sp. nov. and new hosts of *X. glycyrrhizicola* in Iran. Tropical Plant Pathology 47: 430–441.
40. Ansari, L., **Asgari, B.**, Zare, R. and Zamanizadeh, H.R. 2022. Biodiversity of *Penicillium* and *Talaromyces* species from sugarcane rhizosphere in Khuzestan province (Iran). Rostaniha 23(1): 1–24.

41. Mehrabi, M., **Asgari, B.** and Zare, R. 2022. Novel endophytic species of *Coniochaeta* and *Preussia* from the botanical tribe Triticeae in Iran. Nova Hedwigia 114(1-2): 141–169.
42. Ansari, L., **Asgari, B.**, Zare, R. and Zamanizadeh, H.R. 2023. *Penicillium rhizophilum*, a novel species in the section *Exilicaulis* isolated from the rhizosphere of sugarcane in Southwest Iran. International Journal of Systematic and Evolutionary Microbiology 73(9): 1–17.
43. Darsaraei, H., Khodaparast, S.A., Mousanejad, S., Sepahvand, K., **Asgari, B.** and Sajedi, S. 2023. Taxonomic update with DNA barcoding and phylogenetic analysis of *Erysiphe* sect. *Microsphaera* (*Erysiphaceae, Helotiales*) in Iran. Mycologia Iranica 10(2): 11–32.
44. Mehrabi, M., **Asgari, B.** and Zare, R. 2023. New records of endophytic fungi on members of the subtribe *Triticinae* in Iran. Rostaniha 24(2): 121–138.
45. Paripour, Z., Davari, M. and **Asgari, B.** 2023. Characterization and pathogenicity of fungal species associated with dieback and decline of ash trees in Ardabil and Namin County (Iran). Journal of Applied Research in Plant Protection 12(2): 123–142.
46. Darsaraei, H., Khodaparast, S.A., **Asgari, B.**, Götz, M., Takamatsu, S. and Braun, U. 2024. *Erysiphe* spp. on Fabaceae from Iran: A new insights into some complex species. Mycological Progress 23: 10.
47. Darsaraei, H., Khodaparast, S.A., Mousanejad, S., **Asgari, B.** and Sajedi, S. 2024. Taxonomic update of *Erysiphe* sect. *Erysiphe* (Erysiphaceae, Helotiales) in Iran using DNA barcoding and phylogenetic analysis. Mycologia Iranica 11(1): 39–58.
48. Mehrabi, M., **Asgari, B.** and Zare, R. 2024. *Myxotrichum persicum* sp. nov., and two new combinations in the genus *Myxotrichum*. Phytotaxa 649(1): 083–097.
49. Hyde, K.D., Noorabadi, M.T., Thiyagaraja, V., He, M.Q., Johnston, P.R., *et al*. 2024. The 2024 outline of fungi and fungus-like taxa. Mycosphere 15(1): 5146–6239.
50. Mehrabi, M., and **Asgari, B.** 2024. A new sexual morph for *Neosetophoma iranianum*, and a key to *Neosetophoma* species. Mycologia Iranica 11(2): 51–59.
51. Shekariesfahlan, A., Karimishahri, M.R., Dehghani, A. Mohammadipour, M., Ravanlou, A., Safaiefarahani, B., **Asgari, B.**, Zare, R. and Ghalandar, M. 2025. Pathogenicity and aggressiveness of fungi associated with grapevine trunk diseases in Iran. Indian Phytopathology 78: 591–601.

52. Abbasi, K., **Asgari, B.**, Khosravi, V. and Naeimi, S. 2025. Introduction of some endophytic fungi of rice in Mazandaran province. Cereal Biotechnology and Biochemistry 4(1): 115–131.
53. Mehrabi, M. and **Asgari, B.** 2025. *Juglanconis appendiculata* and *Melanconiella chrysomelanconium*, two new records of diaporthalean fungi from Iran. Mycologia Iranica 12(2): 39–48.

CONFERENCE PAPERS

1. **Asgari, B.**, Zare, R. and Payghami, E. 2004. Fungal community of barley phylloplane with particular emphasis on the genus *Chaetomium* and allied ascomycetous genera. The IV Asia-Pacific Mycological Congress, 14–19 Nov., Chiang Mai, Thailand, p. 137.
2. **Asgari, B.**, Zare, R. and Payghami, E. 2004. New *Chaetomium* species for Iranian mycoflora. Proceedings of the 16th Iranian Plant Protection Congress, 28 Aug.–1 Sept., Tabriz, Iran, p. 475.
3. Davari, M., **Asgari, B.** and Payghami, E. 2004. Identification of *Fusarium* species occurring on oak trees root and crown in the Hatambayghe forest of Meshkinshahr. Proceedings of the 16th Iranian Plant Protection Congress, 28 Aug.–1 Sept., Tabriz, Iran, p. 445.
4. Davari, M., **Asgari, B.** and Hajieghrari, B. 2005. Etiology of oak (*Quercus macranthera*) decline in Hatam-Baig forests of Meshkinshahr area, Iran. The 57th International Symposium on Crop Protection, 10 May, Gent, Belgium, p. 149.
5. **Asgari, B.** and Zare, R. 2006. *Coniochaeta* species from Iran. The 8th International Mycological Congress, 21–25 Aug., Queensland, Australia, p. 52.
6. Davari, M., Javadi, A. and **Asgari, B.** 2006. *Phoma negriana*, agent of vines and stems necrosis in Moghan. Proceedings of the 17th Iranian Plant Protection Congress, 2–5 Sept., Karaj, Iran, p. 298.
7. Niknam, Gh., Pedram, M. and **Asgari, B.** 2006. Three Longidorid species from Iran. Proceedings of the 17th Iranian Plant Protection Congress, 2–5 Sept., Karaj, Iran, p. 493.
8. Davari, M., **Asgari, B.** and Bagheri-Kheirabadi, M. 2008. Occurrence of hazelnut leaf spot caused by *Mamianiella coryli* in Fandoghloo Forest, Ardebil. Proceedings of the 18th Iranian Plant Protection Congress, 24–27 Aug., Hamedan, Iran, p. 162.

9. **Asgari, B.** and Zare, R. 2010. A contribution to the taxonomy of the genus *Coniocessia* (Xylariales). The 9th International Mycological Congress (IMC), 1–6 Aug., Edinburgh, UK, p. 3.93.
10. **Asgari, B.** and Zare, R. 2010. New species of the genus *Chaetomium* (Chaetomiaceae), with notes on its taxonomy. Proceedings of the 19th Iranian Plant Protection Congress, 31 Jul.–3Aug., Tehran, Iran, p. 131.
11. **Asgari, B.**, Zare, R. and Gams, W. 2010. A revision of the genus *Coniolariella* (Xylariales). Proceedings of the 19th Iranian Plant Protection Congress, 31 Jul.–3Aug., Tehran, Iran, p. 200.
12. Boujari, J., **Asgari, B.**, Arefipor, M.R., Adel, F. and Ghanbari, Z. 2010. Introduction of some isolated Ascomycetes from imported woods. Proceedings of the 19th Iranian Plant Protection Congress, 31 Jul.–3Aug., Tehran, Iran, p. 54.
13. **Asgari, B.** and Zare, R. 2013. Contribution to the knowledge of biodiversity of *Aspergillus* species in Iran. The 13th Asian Mycological Congress (AMC), 19–23 Aug., Beijing, China, p. 28.
14. **Asgari, B.** and Zare, R. 2014. Biodiversity and phylogentic analysis of *Aspergillus* section *Aspergillus* in Iran. Proceedings of the 21st Iranian Plant Protection Congress, 23–26 Aug., Urmia, Iran, p. 861.
15. **Asgari, B.** and Zare, R. 2014. Systematics of *Aspergillus* species associated with cereals in the Northwest of Iran. Proceedings of the 21st Iranian Plant Protection Congress, 23–26 Aug., Urmia, Iran, p. 859.
16. **Asgari, B.,** Zare, R. and Inderbitzin, P. 2014. Contribution to the knowledge of *Aspergillus* section *Aspergillus* in Iran. The 10th International Mycological Congress, 4–8 Aug., Bangkok, Thailand, p. 673.
17. Rahnama, K., Habibi, R. and **Asgari, B.** 2015. *Neurospora udagawae*, a new record for mycobiota of Iran. Proceedings of the 2nd Iranian Mycological Congress, 23–25 Aug., Karaj, Iran, p. 67.
18. **Asgari, B.**, Zare, R., Aliabadi, F., Javan-Nikkhah, M., Khodaparast, S.A., Abdollahzadeh, J. and Ghobad-Nejhad, M. 2017. An introduction to the national project on genetic resources of fungi and fungus-like organisms of Iran. 3rd Iranian Mycological Congress, 26–28 Aug., Sanandaj, Iran. p. 58.
19. Ghobad-Nejhad, M. and **Asgari, B.** 2017. Isolation and identification of endophytic fungi from the Persian oak infected with *Inonotus krawtzewii*. 3rd Iranian Mycological Congress, 26–28 Aug., Sanandaj, Iran. p. 69.

20. Haji Hasani Sohi, P., **Asgari, B.** and Zare, R. 2017. *Fusarium* species associated with sugarcane rhizosphere in Khuzestan province, Iran. 3rd Iranian Mycological Congress, 26–28 Aug., Sanandaj, Iran. p. 32.
21. **Asgari, B.** 2017. The "IRAN" Herbarium: Past, Present, and Future. Conference on Iranian Herbaria: Prospects & Challenges, 23 Oct., Iranian Research Institute of Plant Protection, Tehran, Iran. p. 3.
22. Zangeneh, S., Taherkhani, K., Zare, R. and **Asgari, B.** 2018. Introduction of some new species of mycorrhizal fungi for Iran. Proceedings of the 23rd Iranian Plant Protection Congress, 27–30 Aug., Gorgan University of Agricultural Sciences and Natural Resources, Gorgan, Iran.
23. **Asgari, B.**, Zare, R., Minbashi, M., Taherkhani, K., Amirieh, Sh. and Moazen, H. 2019. Ecological study of non-mycorrhizal fungi of sugarcane rhizosphere in selected fields of Khuzestan province. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 9.
24. **Asgari, B.**, Zare, R., Taherkhani, K., Bakhshi, M., Javadi, A., Zangeneh, S. and Moazen, H. 2019. Biodiversity of non-mycorrhizal fungi of sugarcane rhizosphere in selected fields of Khuzestan province. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 27.
25. Ghasemi Dodaran, S., Davari, M. and **Asgari, B.** 2019. First report of *Preussia bipartis* for mycobiota of Iran. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 53.
26. Ghasemi Dodaran, S., Davari, M. and **Asgari, B.** 2019. Report of some *Fusarium* species associated with hazelnut decline in Ardabil. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 97.
27. Javar, S. and **Asgari, B.** 2019. Potential of different isolates of entomopathogenic fungi from Iran as biological control agents against a model insect, *Galleria mellonella*. 3rd Iranian International Congress of Entomology, 17–19 Aug., University of Tabriz, Tabriz, Iran. p. 188.
28. Paripour, Z., Davari, M. and **Asgari, B.** 2019. A new record of *Cephalotichum olighotriphicum* for mycobiota of Iran and *Robinia pseudoacacia* as a new host for this fungus. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 31.

29. Paripour, Z., Davari, M. and **Asgari, B.** 2019. Report of some *Fusarium* species associated with ash dieback and decline in Ardabil. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 77.
30. Tavakol Noorabadi, M., Babaeizad, V., Zare, R. and **Asgari, B.** 2019. Differentiation of *Aspergillus* isolates recovered from sugarcane rhizosphere in Khuzestan province using RFLP. 4th Iranian Mycological Congress, 26–28 Aug., Sari Agricultural Sciences and Natural Resources University, Iran. p. 20.
31. Ahmadpour, S.A., Mehrabi-Koushki, M., Farokhinejad, R. and **Asgari, B.** 2022. Occurrence of leaf spot on *Ziziphus mauritiana* caused by *Xenodidymella glycyrrhizicola* in Khuzestan Province. The second Congress of Plant Pathology of Iran, 3–6 Sep., Iranian Research Institute of Plant Protection, Tehran, Iran. pp. 249–250.
32. **Asgari, B.** and Zare, R. 2023. Fungal contributions to sustainable agriculture and the challenges in biodiversity conservation. 24th Iran's International Congress of Microbiology, 18–20 Sep., Iranian Research Organization for Science and Technology, Tehran, Iran. p. 21.
33. Ghasemi Dodaran, S., Davari, M., **Asgari, B.** and Pouresmaeil, M. 2023. New record of fungal species isolated from branches of hazelnut trees (*Corylus avellana*) in Fandoglou forest. The third international conference and the seventh national conference on organic and conventional agriculture, 21 Aug., University of Mohaghegh Ardabili, Ardabili, Iran. 13 pp.
34. Najafiniya, M., Aliaran, A., Abdollahazadeh, J., Javadi, A., Bakhshi, M. and **Asgari, B.** 2023. A review and updated information on fungal pathogens of date palm in Iran. 5th Iranian Mycological Congress, Aug. 2023, University of Tabriz, Tabriz, Iran. p. 41.
35. Najafi Kahaki, A., Hemmati, R., **Asgari, B.**, Zare, R., Naeimi, S. and Javan-Nikkhah, M. 2024. Biological control of Fusarium crown rot of wheat with *Chaetomium* species. 2nd International and 11th National Congress on Biological Control in Agriculture and Natural Resources, 14–15 Feb., Univesity of Jiroft, Jiroft, Iran. p. 48.
36. Najafi Kahaki, A., Hemmati, R., **Asgari, B.**, Zare, R., Naeimi, S. and Javan-Nikkhah, M. 2024. Evaluation of the antagonistic effect of *Chaetomium* isolates against Fusarium crown rot of wheat. 25th Iranian Plant Protection Congress, 7–

10 Sept., Iranian Research Organization for Science and Technology (IROST), Tehran. pp. 1049–1050.

BOOKS

1. Ershad, D., Aliabadi, F., Asef, M.R., **Asgari, B.**, Bakhshi, M., Javadi, A., Mehrabi, M. and Zangeneh, S. 2018. Genera of Fungi and Fungal Analogues of Iran. Iranian Research Institute of Plant Protection, Agricultural Research, Education and Extension Organization (AREEO), Tehran, Iran. pp. 977.
2. **Asgari, B.** and Dadkhahipour, K. 2019. Department of Botany. *In*: Ershad, J., Tajvar, P., Jozdani, R. (eds.), Iranian Research Institute of Plant Protection from past to present. Iranian Research Institute of Plant Protection, Agricultural Research, Education and Extension Organization (AREEO), Tehran, Iran, pp. 190–234.
3. Khodaparast, S.A., **Asgari, B.** and Bakhshi, M. 2022. Color Atlas of Iranian Fungi. Vol. I. University Of Guilan Press, Guilan, Iran. pp. 291.
4. **Asgari, B.** and Zare, R. 2025. Catalogue of Iranian Fungal Culture Collection (IRAN; WDCM 939). National Center for Genetic Resources, Karaj, Iran. pp. 501.

TEACHING EXPERIENCE

- Advanced Mycology (for PhD students of Plant Pathology). Spring semester 2017. Islamic Azad University, Science and Research Branch, Tehran.
- Applied Mycology (for PhD students of Plant Pathology). Autumn semester 2017. Islamic Azad University, Science and Research Branch, Tehran.

THESES SUPERVISED

University of Birjand, Faculty of Agriculture, Department of Plant protection, Birjand

1. **Simin Najar (MSc thesis).** Taxonomic study of *Aspergillus* species associated with soil, crops and horticultural plants in Birjand plain (advisor, 2014–2015).
2. **Mohammad Ebrahim Vahedi Darmiyan (MSc thesis).** Investigation of relationship between endophyte fungal of pomegranate with aril paleness disorder in Southern Khorasan province (advisor, 2015–2016).

Shahid Beheshti University of Medical Sciences and Health Services (National Nutrition and Food Technology Research Institute), Tehran

1. **Zohreh Abdi Moghadam (PhD thesis).** In vitro evaluation of effectiveness of some essential oils on the growth of *Aspergillus ochraceus* and its ochratoxin A production on wheat based medium and wheat (supervisor, 2017–2019).

Tarbiat Modares University, Faculty of Agriculture, Department of Plant Pathology, Tehran

1. **Mahdieh S. Hosseyni Moghadam** (**PhD thesis).** Study of some desert plant endophytic fungi and their biological activities (advisor, 2016–2020).

Sari Agricultural Sciences and Natural Resources University, Department of Plant Protection, Sari

1. **Maryam Tavakol Noorabadi (PhD thesis).** Taxonomic study of *Aspergillus* species in the rhizosphere of sugarcane plants in Khuzestan province (advisor, 2017–2020).

University of Mohaghegh Ardabil, Faculty of Agricultural Sciences & Natural Resource, Ardabil

1. **Soghra Ghsemi (MSc thesis).** Identification of fungi associated with dieback and decline of hazelnut trees (*Corylus avellana*) in Fandoghlu forest, Namin (advisor, 2019–2020).
2. **Zahra Paripour (MSc thesis).** Identification of fungi associated with dieback and decline of ash trees in Ardabil (advisor, 2019–2020).
3. **Mahnaz Sarvi (MSc thesis).** Identification of fungi associated with Acacia dieback in Ardabil (advisor, 2019-2021)
4. **Faezeh Jaberi (MSC thesis).** Identification of fungi associated with sugarcane root in Khuzestan province (supervisor, 2019–2022)
5. **Zeynab Ghaffari (MSC thesis)**. Identification of endophytic Fusarium species from aerial parts of rice & barnyard grass weed in Northern Iran & evaluation of their efficacy on rice blast disease (supervisor, 2022–2023)

University of Kurdistan, Faculty of Agriculture, Department of Agronomy and Plant Breeding, Sanandaj

1. **Narges Hassanzadeh (MSc thesis).** Identification of *Aspergillus* species associated with raisins and sultanas in Malayer (advisor, 2018–2020).

Islamic Azad University, Science and Research Branch, Department of Plant Pathology, Tehran

1. **Parisa Hajihasani Sohi (MSc thesis).** Identification of dominant fungi of sugarcane rhizosphere in Khuzestan province (supervisor, 2016–2018).
2. **Laleh Ansari (PhD thesis).** Taxonomic study of *Penicillium* species in the rhizosphere of sugarcane in Khuzestan province (supervisor, 2018–2024).
3. **Fereshteh Zaeemi (PhD thesis).** Phylogenetic study of *Fusarium* species recovered from rhizosphere of sugarcane in Khuzestan province and pathogenicity of selected species (advisor since 2019).
4. **Hannaneh Shamekhi (PhD thesis).** Systematics of *Trichoderma* species associated with sugarcane rhizosphere in Khuzestan province (supervisor since 2021).

Shahid Chamran University of Ahvaz, Faculty of Agriculture, Department of Plant protection, Ahvaz

1. **Seyedeh Akram Ahmadpour (PhD thesis).** Taxonomic study of *Phoma* and phoma-like fungi in Iran with an emphasis on isolates originated from Khuzestan province (2019–2022).

University of Zanjan, Faculty of Agriculture, Department of Plant protection, Zanjan

1. **Azam Najafi (PhD thesis).** Identification of *Chaetomium* species in wheat fields of Zanjan and Qazvin provinces and investigation on the ability of some isolates to control Fusarium foot rot disease (supervisor since 2021)

MEMBERSHIP IN SCIENTIFIC SOCIETIES/COMMITTEES

- Iranian Mycological Society, 2010–present.
- Higher Committee for Research, Iranian Research Institute of Plant Protection. 2016–present.
- 2nd Iranian Mycological Congress, 23–25 Aug. 2015, University of Tehran, College of Agriculture & Natural Resources, Karaj, Iran
- 22nd Iranian Plant Protection Congress, 27–30 Aug. 2016, University of Tehran, College of Agriculture & Natural Resources, Karaj, Iran
- 3rd Iranian Mycological Congress, 26–28 Aug. 2017, University of Kurdistan, Sanandaj, Iran
- 23rd Iranian Plant Protection Congress, 27–30 Aug. 2018, Gorgan University of Agricultural Sciences and Natural Resources, Iran.
- 4th Iranian Mycological Congress, 26–28 Aug. 2019, Sari Agricultural Sciences and Natural Resources University, Iran
- 24th Iranian Plant Protection Congress, 3–6 Sep. 2022, Iranian Research Institute of Plant Protection, Tehran, Iran.
- The second Congress of Plant Pathology of Iran, 3–6 Sep. 2022, Iranian Research Institute of Plant Protection, Tehran, Iran.
- 5th Iranian Mycological Congress, 26–28 Aug. 2023, University of Tabriz, Tabriz, Iran

TRAINING COURSES/WORKSHOPS PARTICIPATED

- "Handling of PCB Contaminated Material", July 31, 2011, Supported by Trédi, Tarasht Power Plant, Tehran.
- "WDCM Training Course for Developing Countries on Microbial Resources Information Management and Utilization", Sep. 6–23, 2016, Supported by Bureau of International Co-operation (WFCC, WDCM, IMCAS, CODATA), Chinese Academy of Science, Beijing.
- "WFCC and WDCM Global Catalogue of Microorganisms Online Workshop", Dec. 16, 2021, Beijing, China
- "PCR Primer Design", Feb. 27–28, 2022, Supported by Iranian Biology Society, Tehran, Iran

- "State of the World's Plants & Fungi Symposium", Oct. 11–13, 2023, Royal Botanic Gardens, Kew

REVIEWER FOR THE FOLLOWING JOURNALS

- **Antonie van Leeuwenhoek**, International Journal of General and Molecular Microbiology: Published by Springer, Van Godewijckstraat 30, Dordrecht, The Netherlands.
- **Applied Entomology and Phytopathology**, Published by Iranian Research Institute of Plant Protection, Tehran, Iran.
- **Czech Mycology**, Czech Scientific Society for Mycology, Czech Republic.
- **European Journal of Plant Pathology**, Published by the Royal Netherlands Society of Plant Pathology (KNPV) and the European Foundation for Plant Pathology, the Netherlands.
- **Folia Microbiologica**, International Journal for Basic, Environmental and Applied Microbiology, and Immunology: Published by the Institute of Microbiology, v.v.i., Academy of Sciences of the Czech Republic and Czechoslovak Society for Microbiology.
- **Fungal Biology**, International Research Journal of the British Mycological Society: Published by Elsevier on behalf of The British Mycological Society.
- **Iranian Journal of Forests and Rangelands Protection Research (IJFRPR)**, Published by Research Institute of Forests and Rangelands (RIFR), Tehran, Iran.
- **Iranian Journal of Plant Pathology:** Published by the Iranian Phytopathological Society.
- **Iranian Journal of Plant Protection Science**, Published by Tehran University, College of Agriculture, Karaj, Iran.
- **Journal of Applied Research in Plant Protection (JARPP)**, Published by University of Tabriz, Tabriz, Iran.
- **Journal of Crop Protection**, Published by Tarbiat Modares University, Tehran, Iran.
- **Mycologia Iranica**, Published by the Iranian Mycological Society (IMS).
- **Mycologia**, Published by the Mycological Society of America, United States.
- **Mycotaxon**, the International Journal of Fungal Taxonomy and Nomenclature: Published by Mycotaxon, Ltd. Publications.
- **Nova Biologica Reperta**, Publihed by Kharazmi University, Iran.
- **Nova Hedwigia**, Published by Schweizerbart Science Publishers, Germany.
- **Persoonia**, Molecular Phylogeny and Evolution of fungi: Published by National Herbarium of The Netherlands and the Westerdijk Fungal Biodiversity Institute, the Netherlands.
- **Phytopathologia Mediterranea**, an international journal edited by the Mediterranean Phytopathological Union, Firenze University Press, Italy.

– **Rostaniha**, Botanical Journal of Iran: Published by Iranian Research Institute of Plant Protection, Tehran, Iran.

NOVELTIES

New Families

Family	Journal	Year
Coniocessiaceae Asgari & Zare, **fam. nov.**	Mycological Progress 10 (2): 195	2011

New Genera

Genus	Journal	Year
Allocanariomyces Mehrabi, Asgari & Zare, **gen. nov.**	Mycological Progress 19 (12): 1417	2020
Parachaetomium Mehrabi, Asgari & Zare, **gen. nov.**	Mycological Progress 19 (12): 1422	2020

New Species

Species	Journal	Year
Coniochaeta gamsii Asgari & Zare, **sp. nov.**	Nova Hedwigia 82 (1-2): 228	2006
Coniochaeta velutinosa Asgari & Zare, **sp. nov.**	Nova Hedwigia 82 (1-2): 232	2006
Coniochaeta ershadii Zare, Asgari & W.Gams, **sp. nov.**	Nova Hedwigia 84 (1-2): 177	2007
Coniolariella macrothecia Zare, Asgari & W. Gams, **sp. nov.**	Mycologia 102 (6): 1383	2010
Preussia persica Asgari & Zare, **sp. nov.**	Nova Hedwigia 90 (3-4): 541	2010
Preussia polymorpha Asgari & Zare, **sp. nov.**	Nova Hedwigia 90 (3-4): 539	2010
Coniocessia anandra Asgari & Zare, **sp. nov.**	Mycological Progress 10 (2): 205	2011
Coniocessia cruciformis Asgari & Zare, **sp. nov.**	Mycological Progress 10 (2): 200	2011
Coniocessia maxima Asgari & Zare, **sp. nov.**	Mycological Progress 10 (2): 199	2011
Coniocessia minima Asgari & Zare, **sp. nov.**	Mycological Progress 10 (2): 202	2011
Chaetomium grande Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 874	2011
Chaetomium interruptum Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 874	2011

Chaetomium iranianum Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 877	2011
Chaetomium rectangulare Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 872	2011
Chaetomium truncatulum Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 877	2011
Chaetomium undulatulum Asgari & Zare, **sp. nov.**	Mycologia 103 (4): 870	2011
Aspergillus osmophilus Asgari & Zare, **sp. nov.**	Mycoscience 55: 58	2014
Kirschsteiniothelia arasbaranica Mehrabi, R. Hemmati & Asgari, **sp. nov.**	Cryptogamie Mycologie 38 (1): 18	2017
Dermea persica Mehrabi & Asgari, **sp. nov.**	Phytotaxa 367 (1): 29	2018
Knufia perfecta Mehrabi, Asgari & Hemmati, **sp. nov.**	Nova Hedwigia 106 (3-4): 523	2018
Eutypella persica Mehrabi, Asgari & Hemmati, **sp. nov.**	Mycological Progress 18 (8): 1063	2019
Eutypella quercina Mehrabi, Asgari & Hemmati, **sp. nov.**	Mycological Progress 18 (8): 1065	2019
Achaetomium aegilopis Mehrabi, Asgari & Zare, **sp. nov.**	Mycological Progress 19: 1422	2020
Allocanariomyces tritici Mehrabi, Asgari & Zare, **sp. nov.**	Mycological Progress 19: 1420	2020
Coniochaeta tritici M. Mehrabi, Asgari & Zare, **sp. nov.**	Nova Hedwigia 114 (1-2): 158	2022
Preussia aegilopis M. Mehrabi, Asgari & Zare, **sp. nov.**	Nova Hedwigia 114 (1-2): 152	2022
Ascochyta amygdali S.A. Ahmadp., M. Mehrabi-Koushki ,Farokhinejad & Asgari, **sp. nov.**	Mycological Progress 21 (2, no. 28): 5	2022
Didymella cylindrica S.A. Ahmadp., M. Mehrabi-Koushki, Farokhinejad & Asgari, **sp. nov.**	Mycological Progress 21 (2, no. 28): 8	2022
Paramicrosphaeropsis iranica S.A. Ahmadp., M. Mehrabi-Koushki, Farokhinejad & Asgari, **sp. nov.**	Mycological Progress 21 (2, no. 28): 9	2022
Xenodidymella menthae S.A. Ahmadp., M. Mehrabi-Koushki, Farokhinejad & Asgari, **sp. nov.**	Mycological Progress 21 (2, no. 28): 10	2022
Xenodidymella iranica S.A. Ahmadpour, Mehrabi-Koushki, Farokhinejad & Asgari, **sp. nov.**	Tropical Plant Pathology 47: 435	2022
Penicillium rhizophilum Asgari, Ansari, Zare & Zamanizadeh, **sp. nov.**	International Journal of Systematic and Evolutionary Microbiology 73(9): 7	2023
Myxotrichum persicum M. Mehrabi, Asgari & Zare, **sp. nov.**	Phytotaxa 649 (1): 089	2024

New Combinations

Combination	Journal	Year
Coniolariella ershadii (Zare, Asgari & W. Gams) Zare, Asgari & W. Gams, **comb. nov.**	Mycologia 102 (6): 1383	2010
Parachaetomium carinthiacum (Sörgel) Mehrabi, Asgari & Zare, **comb. nov.**	Mycological Progress 19 (12): 1422	2020
Parachaetomium iranianum (Asgari & Zare) Mehrabi, Asgari & Zare, **comb. nov.**	Mycological Progress 19 (12): 1422	2020
Parachaetomium truncatulum (Asgari & Zare) Mehrabi, Asgari & Zare, **comb. nov.**	Mycological Progress 19 (12): 1422	2020