



CURRICULUM VITAE

Mohammad Reza Asef (PhD)

Iranian Research Institute of Plant Protection (IRIPP)

Department of Botany P.O. Box 1454, Tehran 19395, Iran

Tel: +98 (21) 22403012-16 Fax: +98 (21) 22403588

E-mail: Asefmr@yahoo.com

URL: www.iripp.ir

ACADEMIC QUALIFICATIONS

PhD (Mycology): National Academy of Sciences.

MSc (Plant Pathology): Tarbiat Modarres University.

BSc (Plant Protection): Tabriz University.

RESEARCH INTERESTS

Mycology (Taxonomy and identification of higher fungi; Ectomycorrhizae)

SELECTED RESEARCH PROJECTS

- 1- Taxonomic study on *Pleurotus* species in Iran by using mating compatibility and morphology.
- 2- Identification of macrobasidiomycetes of Arasbaran region (East Azarbaijan)
- 3- Study on taxonomy of *Typhula* in Iran using morphology and mating compatibility

- 4- Collection and identification of fungi of Iran (I)
- 5- Study on fungicolous *Verticillium* species in the Southern Caspian coasts (Golestan, Mazandaran and Gilan provinces)
- 6- Taxonomic study on *Pleurotus eryngii* species complex using ecomorphological characters and pairing tests
- 7- Taxonomic research on Iranian fungi and flora
- 8- Study on taxonomy, distribution and host range of mycorrhizal fungi belonging to boletes in Iran
- 9- Study on russloide mycorrhizal fungi in Iran
- 10- Collection and identification of fungi of Iran (II)
- 11- Mycobiota of the Iranian Research Institute of Plant Protection Campus
- 12- Identification of basidiomycetous wood rotting fungi in Iran
- 13- A review of *Pluteus* specimens collected in Iran fungi collect
- 14- Study on mycorrhizal fungi associated with *Quercus* spp. in West and North West of Iran
- 15- Study on taxonomy of genus *Amanita* in North and West of Iran using morphology and molecular data

SELECTED PUBLICATIONS

JOURNALS PAPERS:

- 1- **Asef, M.R.**, Mohammadi, E. (2002) Identification of fungicolous fungi of Iran 1. *Cladobotryum* species. *Rostaniha* (3)11-22.
- 2- **Asef, M.R.**, Mohammadi, E. (2002) New hosts for *Armillaria* species in Iran. *Iranian Journal of Plant Pathology* (38) 278.
- 3- Zare, R. and **Asef, M.R.**, (2003) First report of *Verticillium nigrescens* from *Pleurotus ostreatus* from Iran. *Rostaniha* (4) 59.
- 4- **Asef, M.R.**, Mohammadi, E. and Alizadeh, A. (2003) Identification of *Armillaria* biological species in Iran. *Fungal Diversity* (14)51-60

- 5- Mohammadi, E., **Asef, M.R.** Danesh, Y.R. and Pourjam, E. (2004) Six new species of *Agaricus* from Iran. *Rostaniha*, (5) 77-87.
- 6- Zare, R., **Asef, M.R.**, (2004) First report of *Lecanicillium muscarium* from Iran. *Rostaniha* (5) 113.
- 7- **Asef, M.R.** (2006) *Hemitrichia abietina* new myxomycetes for Iran. *Rostaniha* (6) 2: 170-171
- 8- **Asef, M.R.** and Zare, R., (2006) Identification of fungicolous fungi of Iran II. Teleomorphs belonging to the genus *Hypomyces*. *Rostaniha* (7) 35-42.
- 9- **Asef, M.R.** (2006) *Spongipellis pachyodon* a new polypore for Iran. *Rostaniha* (7) 213-214.
- 10- Bahram M., **Asef, M.R.**, Zarre Sh., Abbasi M. and Reidl S. (2006) Addition to the knowledge of *Amanita* (Agaricales, Pluteaceae) from Iran. *Rostaniha* (7) 107-120.
- 11- Abdollahzadeh, J., **Asef, M.R.** and Mirmahmoodi, T. (2007) The *Pleurotus eryngii* species complex in Kurdistan region of Iran. *Pakistan J. of Biological Science* 10 (17) 306-309
- 12- Hoshino, T. **Asef, M.R.**, Fujiwara, M., Yumoto, I and Zare, R. (2007) One of the southern limits of the geographical distribution of sclerotium forming snow mold fungi: First records of *Typhula* spp. in Iran. *Rostaniha* 8(1)35-45
- 13- **Asef, M.R.** (2007) *Calloria helotoides* a new discomycete for Iran. *Rostaniha* (8) 126-127.
- 14- **Asef, M.R.**, Moradov P.Z. and Sadiqov A. (2007). The genus *Hypholoma* in Iranian part of Caucasia. *ANAS*. (5) 267-271.
- 15- **Asef, M.R.** (2007) Macrofungi flora of Arasbaran 1. *Cortinarius* subgenus *Myxacium*. *Rostaniha*. 8(2) 178-185.
- 16- **Asef, M.R.**, Mohammadi, E. and Rezaei Danesh, Y. (2008) Antagonistic effects of *Trichoderma* species in biocontrol of *Armillaria mellea* in fruit trees in Iran. *Journal of Plant Protection Research* 48 (2): 213-221.
- 17- **Asef, M.R.**, Moradov P.Z. and Sadiqov A. (2008) Taxonomy and distribution of genus *Crepidotus* in Iranian part of Caucasia. *ANAS*. (6) 261-266.
- 18- Zare, R., **Asef, M.R.**, (2008) Some phialidic fungicolous fungi from the Southern Caspian coasts. *Rostaniha* 9 (1) 1-22

- 19- Bahram, M. and **Asef, M.R.** and Reidl, S. (2008) *Ramaria botrytoides*, a new species of
20- Gomphales for mycoflora of Iran. *Rostaniha* 9 (1) 127-128.
- 21- **Asef, M. R.** (2008) *Hydnellum peckii*, new ectomychorhizal species for Iran. *Rostaniha*
9 (2) 254-255
- 22- **Asef, M.R.** (2008) Macrofungi of Arasbaran 2. Boletes (Families Boletaceae and
Suillaceae). *Rostaniha* 9 (2) 210-229.
- 23- **Asef, M.R.** (2009) Macrofungi flora of Arasbaran 3. *Cortinarius* subgenus
Phlegmacium. *Rostaniha* 10(1) 80-90.
- 24- **Asef, M.R.** (2009) Five new records of the genus *Clitocybe* from Iranian part of caucasia.
Rostaniha 10(2) 203-211.
- 25- **Asef, M.R.** (2009) *Gloeophyllum trabeum*, a new species from Gloeophyllales for Iran.
Rostaniha 10(2) 245.
- 26- **Asef, M.R.** (2010) *Guepiniopsis alpina*, first record of genus *Guepiniopsis* for Iran.
Rostaniha 11(1) 111.
- 27- **Asef, M.R.** (2010) New species of wood inhabiting discomycetes of Helotiales for iran.
Rostaniha 11(1) 29-34.
- 28- **Asef, M.R.**, Ozzar, A. and Siami. A. (2010) *Helvella acetabulum*, a new record from
Iran. *Rostaniha* 11(2) 199-200.
- 29- **Asef, M.R.**, Moradov P.Z. and Sadiqov A. (2010) The genus *Amanita* in Iranian part of
Caucasia. *ANAS (microbiology)*. (8) 192-196.
- 30- **Asef, M.R.** (2011). Macrofungi flora of Arasbaran 4. (Family *Russulaceae*). *Rostaniha*
12(1) 17-27.
- 31- **Asef, M.R.** (2011). First report of subterranean development of an agaric fungus in Iran.
32- *Rostaniha* 12(1) 91-92.
- 33- **Asef, M.R.** (2012). Lepiotaceous fungi (Agaricaceae) in the Iranian part of Caucasia.
Turkish J. of Botany. 36: 289-294. doi:10.3906/bot-1006-10
- 34- **Asef, M.R.** (2012). Intersterility groups of *Pleurotus ostreatus* complex in Iran.
Mycology. 3 (2): 147-152

- 35- **Asef, M.R.**, Moradov P.Z. and Sadiqov A. (2012) Collybioid fungi (Agaricales, Tricholomataceae) in Iranian parts of the Caucasus. Journal of Moscow Regional University "series of sciences". No. 1.
- 36- **Asef, M.R.** (2012) Additions to the knowledge of the genus *Geastrum* in Iran. Rostaniha 13(1) 21-30.
- 37- Aghajani, H., Marvie Mohadjer, M.R., **Asef, M.R.**, Shirvany, A., 2013. The relationship between abundance of wood macrofungi on chestnut-leave Oak (*Quercus castaneifolia*) and hornbeam (*Carpinus betulus*) and physiographic factors (Case study: Kheyroud forest, Noshahr). Journal of Natural Environment, Iranian Journal of Natural Resources, 66(1): 1-16
- 38- **Asef, M.R.** (2013) The genus *Helvella* in Iran. Mycologia Iranica. 1(1). 9-13
- 39- Fadavi, S., Abbasi S. and **Asef, M.R.** (2013) A contribution to the identification of agaric fungi of Kermanshah, W Iran, Families Bolbitiaceae, Entolomataceae and Strophariaceae. Rostaniha 14(2) 95-107.
- 40- **Asef, M.R.** (2013) *Strobilomyces strobilaceus*, the first report from genus *Strobilomyces* in Iran. Rostaniha 14(2) 248-249.
- 41- Aghajani, H., Marvie Mohadjer, M.R., Jahani, A. **Asef, M.R.**, Shirvany, A. and Azaryan M. (2014) Investigation of affective habitat factors affecting on abundance of wood macrofungi and sensitivity analysis using the artificial neural network (case study: Kheyroud forest, Noshahr). Iranian Journal of Forest and Poplar Research 21 (4) 617-628.
- 42- Keypour, S., Riahi, H., Borhani, A., **Asef, M.R.** and Safaie, N. (2014) Survey on Wood Decay Fungi *Ganoderma* Species (Ganodermataceae; Polyporales) from Guilan and Mazandaran, Iran. International Journal of Agriculture and Biosciences 3(3): 132-135.
- 43- **Asef, M.R.**, Moradov P.Z. (2014) New records of agaric fungi from East Azarbaijan. Rostaniha 15(1) 43-49.
- 44- Neshatie Tanha, F., Zafari, D. and **Asef, M.R.** (2014) *Verpa conica*, new to Iran. Rostaniha 15(1) 77-78.
- 45- Aghajani, H., Marvie Mohadjer, M.R., **Asef, M.R.**, Shirvany, A., 2013. The relationship between wood-decay fungi abundance and some morphological features of hornbeam (Case study: Kheyroud forest, Noshahr). Iranian Journal of Forest and Range Protection Research, 12(1): 55-65

- 46- Vazirian M., Faramarzi M.A., Sadat Ebrahimi, E., Monsef Esfahani, H.R., Samadi, N., Hosseini, A., Asghari, A., Manayi, A., Mousazadeh, A., **Asef, M.R.**, Habibi, E. & Amanzadeh, Y. 2014. Antimicrobial Effect of the Lingzhi or Reishi Medicinal Mushroom, *Ganoderma lucidum* (Higher Basidiomycetes) and Its Main Compounds. *International Journal of Medicinal Mushrooms*. 16(1): 77–84
- 47- **Asef, M.R.** (2014) Addition to the knowledge of the genus *Agaricus* in Iran. *Rostaniha* 15(2) 79-84.
- 48- Fadavi, S., Abbasi S. and **Asef, M.R.** (2015) A contribution to the identification of agaric fungi of Kermanshah, W Iran (2), Families Agaricaceae, Inocybaceae, Pluteaceae and Polyporaceae. *Rostaniha* 16(1) 1-16.
- 49- Jadidiyan, A., Zafari, D. and **Asef, M.R.** (2015) New records of agaric fungi from Hamedan province (Iran) (Families Bolbitiaceae, Inocybaceae, Psathyrellaceae and Tricholomataceae). *Rostaniha* 16(1) 101-108.
- 50- **Asef, M.R.** (2015) *Phleogena faginea*, first report from class Atractiellomycetes in Iran. *Rostaniha* 16(1) 132-134.
- 51- **Asef, M.R.** and Eskandari, M. (2015) Staff members of the Herbarium Ministerii Iranici Agriculturae “IRAN”. *Rostaniha*, 16 (Suppl. 1) 36-52.
- 52- Amini Rad, M., Shirzadian, S., Dadkhipour, 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.
- 53- Amini Rad, M., Shirzadian, S., Dadkhipour, 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.
- 54- **Asef, M.R.** and Amini Rad, M. (2015) List of new taxa and combinations, named by researchers of the Herbarium Ministerii Iranici Agriculturae “IRAN”. *Rostaniha*, 16 (Suppl. 1) 112-121.
- 55- Mahdizadeh, V., Safaie, N., Mohammadi, E., **Asef, M.R.**, Nassaj Hosseini, M., Callac, Ph. (2015). *Agaricus* section *Xanthodermatei* in Iran. *Phytotaxa* 02 247(3):181-196.
- 56- **Asef, M.R.** (2015) New records of the genus *Lepiota* for Iran, including two deadly poisonous species. *Mycologia Iranica*. 2(2). 88-93.
- 57- **Asef, M. R.**; Khosravi; V., Naeimi, S. (2015) First report of *Coprinopsis urticicola* from Iran. *Mycologia Iranica*. 2(2). 138-138.

- 58- Neshatie Tanha, F., Zafari, D. and **Asef, M.R.** (2016) A report of wood-inhabiting macrofungi in Hamedan province (Hymenochaetales, Polyporales, Russulales). *Plant Protection*. 39(3). 1-12
- 59- **Asef, M.R.** and Etemad, V. (2016) Identification of agaric fungi of Kheyroud research forest (Noshahr, Mazandaran province, North Iran). *Rostaniha* 17(1) 19-27.
- 60- Mahdizadeh, V., Safaie, N., Mohammadi, E., **Asef, M.R.**, and Callac, Ph. (2016). Medicinal mushroom *Agaricus subrufescens* from Iran shares genetic markers with specimens from China and Thailand. *Botany*
- 61- Abiavi, N., Marvie Mohajer M., Etemad, V. and **Asef, M.R.** (2016) The relationship between abundance of wood macrofungi on beech (*Fagus orientalis* Lipsky) and physiographic factors (Case study: Kheyroud forest, Nowshahr). *Iranian Journal of Forest and Range Protection Research*, 14(2): 77-85
- 62- Jafarpour, S., Fotouhifar, K.-B., Javan-Nikkhah, M., **Asef, M.R.** (2017) Investigation of biological species concept in some *Armillaria* species in Iran. *Iranian Journal of Plant Protection Science*. 47 (2). 241-252.
- 63- Aghajani, H., Marvie Mohadjer, M.R., Bari, E., Ohno, K., Shirvany, A. and **Asef, M.R.** 2017. Assessing the diversity of wood decay fungi in Northern forests of Iran. *Proceedings of the National Academy of Sciences, India*.
- 64- Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2017) *Suillellus comptus*, new report for the Mycobiota of Iran. *Mycologia Iranica* 4(1): 63-64.
- 65- **Asef, M.R.** (2018) A review on medicinal properties of King oyster mushroom (*Pleurotus eryngii*). *Iran Quarterly Mushroom journal*, 12: 50-55.
- 66- **Asef, M.R.** (2018) *Lepiota brunneoincarnata*, the causal agent of widespread poisoning in Iran. *Iran Quarterly Mushroom journal*, 14: 29-34.
- 67- Habibi, R., Rahnama, K., Razavi, S.E., Khomeiri, M. and **Asef, M.R.** 2018. Antimicrobial properties of *Lactobacillus* bacteria from rhizosphere of *Helianthemum ledifolium* and desert truffle *Terfezia clavaryi* soil in Golestan province. *Biocontrol in Plant Protection* (6)1: 101-106
- 68- Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2018) Morphological and molecular characterization of coprinoid fungi newly recorded for the mycobiota of Iran. *Cellular and Molecular Biology* 64:

- 69- Seidmohammadi, E, Abbasi, S., **Asef, M.R.** and Jamali, S (2019) New records of Pezizales from Kermanshah Province. *Nova Biologica Reperta* 6: 88-95.
- 70- Keypour, S., Riahi, H., Ebadi Nahari, M., **Asef, M.R.**, Borhani, A. and Safaie, N. (2019) The Study of the genetic diversity of two laccate species of *Ganoderma lucidum* and *Ganoderma resinaceum* using RAPD marker. – *Nova Biologica Reperta* 5: 379-388.
- 71- Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2018) First report of *Pluteus cinereofuscus* for mycobiota of Iran. *Rostaniha* 19(2): 192-195
- 72- Keypour, S. and **Asef, M.R.** 2020. New reports on locality and host relationship of *Ganoderma resinaceum* from Iran. *Australasian Plant Pathology* 221. 1-4.
- 73- Habibi, R., Rahnama, K., Razavi, S.E., Khomeiri, M. and **Asef, M.R.** 2020. Studies on the physical and chemical characteristics of soil and mycoflora from native desert truffle (*Terfezia claveryi*) and Helianthemum plant in Golestan province. *Journal of Plant Ecosystem Conservation* 7(15)181-195.
- 74- Keypour, S., Riahi, H., **Asef, M.R.**, Abdollahzadeh, J., Borhani, A. and Safaie, N. 2020. The Nature and Taxonomy of *Ganoderma* Karst. in Iran Based on ITS and mtSSU rDNA Studies. *Forest Pathology*. e12605.
- 75- Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2019) The First Report of *Panaeolus Olivaceus* and *Panaeolus Guttulatus* from Iran. *Taxonomy and Biosystematics*, 39. 23-30
- 76- Mohammadifar, S., Fallahi Gharaghoz, S., **Asef, M.R.** and Vaziri, A. (2019). Antioxidant Activity and Some Biochemical Properties of *Ganoderma applanatum* (Pers.) Pat. from Iran. *Advanced Research in Microbial Metabolites & Technology*. 137-145.
- 77- Mohammadifar, S., Fallahi Gharaghoz, S., **Asef, M.R.** and Vaziri, A. (2020). Comparison between antioxidant activity and bioactive compounds of *Ganoderma applanatum* (Pers.) Pat. and *Ganoderma lucidum* (Curt.) P. Karst from Iran. *Iranian Journal of Plant Physiology*, 11(1): 3417-3424
- 78- **Asef, M.R.** (2021) *Gyromitra infula*, first report of genus *Gyromitra* in Iran. *Mycologia Iranica*. 8(1). 79-80
- 79- . **Asef, M.R.**, Hatami, N. and Zangeneh, S. (2021) *Phycomyces*, a new genus for Iranian funga. *Mycologia Iranica*. 8(1). 89-90

- 80- Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2021) New *Entoloma* species from Iran. *Mycologia Iranica* 8(1). 35-42
- 81- Shirazi, K., Salari, M., Javan-Nikkhah, M., Pirnia M., **Asef, M.R.** (2021) Antifungal activity of mycoendobiont fungi isolated from white button mushroom (*Agaricus bisporus*), against some its pathogenic fungi. *Biological Control of Pests and Plant Diseases* 10(1): 1-15
- 82- Shirazi, K. & Ramesh, N. and **Asef, M.R.** 2022. Chitosan and a new Challenge for managing *Fusarium* crown and root rot in asparagus plant. *Agriculture*. 68(2): 75-86
- 83- **Asef, M.R.** and Petersen, R.H. 2022. *Macrotyphula fistulosa*, a new record of genus *Macrotyphula* for Iran. *Rostaniha* 23(2):311-312
- 84- **Asef, M.R.**, Cabral, T.S. and Najafiniya, M. 2023. Report of a rare stinkhorn fungus, *Itajahya rosea* from Iran: The first record of genus *Itajahya* for Iran. *Mycologia Iranica* 10(1): 109-110
- 85- Keypour, **Asef, M.R.**, Riahi, H. 2024. The Genus *Ganoderma* in Iran: A Comprehensive Survey of Taxonomic Studies and Its Impact on Forest Trees. *Plant, Algae, and Environment*, 8 (1): 1311-1325
- 86- **Asef, M.R.** 2024. First report of rare fungus, *Ramariopsis pulchella* from Iran. *Rostaniha* 25(1) 97-99
- 87- **Asef, M.R.** 2024. *Auriscalpium vulgare*: the first report of the genus *Auriscalpium* in Iran. 11(2): 151-152
- 88- 162. **Asef, M.R.** 2025. *Pseudocolus fusiformis*: a new stinkhorn fungus (Phallaceae) for Iran. *Mycologia Iranica*. 12(1): 131-132

CONFERENCE PAPERS

1. **Asef, M.R.**, Mohammadi, E. and Alizadeh, A. (2001) Biological control of *Armillaria mellea* the causal agent of root and butt rot using *Trichoderma* species. Proceedings of Asian International Mycological Congress. Karaj. Iran.
2. **Asef, M.R.**, Mohammadi, E. and Alizadeh, A. (2001) Identification of *Armillaria*

biological species in Iran. Proceedings of Asian International Mycological Congress. Karaj. Iran.

3. **Asef, M.R.**, Mohammadi, E. and Alizadeh, A. (2002) Study on binary caryological cycle of *Armillaria* biological species. Proceeding of the 15th Iranian Plant Protection congress. Kermanshah. Iran.
4. **Asef, M.R.**, Mohammadi, E. and Alizadeh, A. (2002) Study on sexual behavior of Iranian *Armillaria mellea*. Proceeding of the 15th Iranian Plant Protection congress. Kermanshah. Iran.
5. **Asef, M.R.** (2003) Alternate dikaryotization and stability of diploid stage in *Armillaria gallica* as an exception in higher basidiomycetes. Proceedings of the 11th Iranian conference of biology. Urmia University. Urmia. Iran.
6. Namjooyan, F., Vahidi, H., **Asef M.R.** 2003. Antifungal Effect Of *Gymnopilus* sp. (Iranian Isolate). The 3th National Congress of Biotechnology, Iran. Mashhad.
7. **Asef, M.R.**, Jamali, S. (2004) Substrate of *Pleurotus* edible fungi as potential for biocontrol of nematodes. Proceedings of 3rd national conference on the development in the application of biological products **and** optimum utilization of chemical fertilizers and pesticides in agriculture. Karaj. Iran
8. **Asef, M.R.** and Tavanaei, G., (2004) Preliminary identification of macromycetes of Arasbaran. Proceedings of the 16th Iranian Plant Protection congress. Tabriz University. Iran.
9. **Asef, M.R.** and Zare, R., (2004) First report on the genus *Hypomyces* as the sexual state of *Cladobotryum* spp. Proceedings of the 16th Iranian Plant Protection congress. Tabriz University. Iran.
10. Nematollahi, M.R., Jalali, S. and **Asef, M.R.** (2004) The first report of *Phellinus punctatus* in rose fields of Kashan. Proceedings of the 16th Iranian Plant Protection congress. Tabriz University. Iran.
11. **Asef, M.R.** and Mohammadi, E. (2004) Antagonistic effects of *Cladobotryum* species on the rhizomorphs of *Armillaria mellea*. Proceedings of the 16th Iranian Plant Protection congress. Tabriz University. Iran.
12. **Asef, M.R.** and Zare, R., (2004) A study of fungicolous species of *Cladobotryum* in Iran. Proceedings of IV asia-Pacific Mycological congress, Chiangmai, Thailand.
13. Hoshino, T., **Asef, M.R.**, Fujiwara, M. Yumoto, L, Matsumoto, N. and Zare, R. (2004)

Southern limit of distribution of *Typhula* from Iran. Proceedings of IV Asia-Pacific Mycological congress, Chiangmai, Thailand.

14. **Asef M.R.** (2005) Identification of psychrophilic fungi or snow molds belonging to genus *Typhula* in Iran. International congress of bioscience. Tehran.
15. **Asef M.R.** (2005) Identification of intersterility groups of *Armillaria* in Iran. International congress of bioscience. Tehran.
16. Bahram, M., **Asef, M.R.**, Zarre, S. and Abbasi, M. (2006) Two new Basidiomycetes for Iran. Proceedings of the 17th Iranian Plant Protection congress. Tehran University. Iran.
17. Amirahmadi, A., Khabbaz Jolfaee, H. and **Asef, M.R.** (2006) First report of *Armillaria mellea* on pistachia, apricot, pomegranate and fig from Iran. Proceedings of the 17th Iranian Plant Protection congress. Tehran University. Iran.
18. **Asef, M.R.** (2006) Identification of *Pleurotus* compatibility groups in Iran. Proceedings of the 17th Iranian Plant Protection congress. Tehran University. Iran.
19. **Asef, M.R.** (2006) Taxonomy of *Pleurotus eryngii* species complex in Iran. Proceedings of the 17th Iranian Plant Protection congress. Tehran University. Iran.
20. **Asef, M.R.** (2007). Macrofungi flora of Arasbaran forests (North West Iran). International Symposium 7th Plant life of South West Asia, Turkey.
21. **Asef, M.R.** (2006) Intersterility Groups of *Pleurotus* in Iran. 8th international mycological congress. Cairns, Australia.
22. **Asef, M.R.** (2007) Agaric flora of North West forests of Iran. Abstracts of XV congress of European Mycologists. Russia.112-113.
23. **Asef, M.R.** (2008) A review of earthstars fungi in Iran. Proceedings of the 18th Iranian Plant Protection congress. Hamedan University. Iran.
24. **Asef, M.R.** (2008) A review of Myxomycetes of Iran. Proceedings of the 18th Iranian Plant Protection congress. Hamedan University. Iran.
25. Bahram, M. and **Asef, M.R.** (2008) Three new species of *Russula* for Iran. Proceedings of the 18th Iranian Plant Protection congress. Hamedan University. Iran.
26. Bahram, M. and **Asef, M.R.** (2008) New species of Agaricales for mycoflora of Iran. Proceedings of the 18th Iranian Plant Protection congress. Hamedan University. Iran.
27. Hoshino, T. **Asef, M.R.**, Yumoto, I and Zare, R. (2008) Snow molds in the middle east:

Typhula species in Iran. Proceedings of the 9th Tunisia-Japan symposium on society, science and technology. Tunisia

28. **Asef, M.R.** (2010) Identification of Agaric fungi in Iranian part of Caucasia. Proceedings of the 19th Iranian Plant Protection congress. IRIPP. Tehran.
29. Afzali, H., **Asef, M.R.**, Eskandari, M. (2010) Fungal diseases of pomegranate in Khorsan-Razavi and their distribution map. Proceedings of the 19th Iranian Plant Protection congress. IRIPP. Tehran.
30. **Asef, M.R.** (2011) Poisonous mushrooms of Iran. 11th Iranian congress of Toxicology. Mashhad. Iran.
31. Fadavi, S., Abbasi S. and **Asef, M.R.** (2012) Preliminary identification of agaric Fungi of Kermanshah. Proceedings of the 20th Iranian Plant Protection congress. Shiraz.
32. Aghajani, H., **Asef, M. R.**, Marvie Mohajer M. R. and Shirvani A. (2012) Study on fungal agent of hornbeam and oak decay in oak-hornbeam community in kheyroud forest (Noshahr). Proceedings of the 20th Iranian Plant Protection congress. Shiraz.
33. **Asef, M.R.** (2012) A review on ectomycorrhizal fungi of Iran. Proceedings of the 20th Iranian Plant Protection congress. Shiraz.
34. **Asef, M.R.** (2012) New species of Myxomycetes belonging to genus *Physarum* for Iran. Proceedings of the 20th Iranian Plant Protection congress. Shiraz.
35. Jadidiyan, A., Zafari, D. and **Asef, M.R.** (2013) Identification of gilled macro-fungi of Hamedan province. Proceedings of the 1th Iranian Mycological congress. Rasht.
36. Neshatie Tanha, F., Zafari, D. and **Asef, M.R.** (2013) Preliminary results of identification of non-gilled macro-fungi of Hamedan. Proceedings of the 1th Iranian Mycological congress. Rasht.
37. **Asef, M.R.** (2013) *Gyromitra infula*, first record of genus *Gyromitra* in Iran. Proceedings of the 1th Iranian Mycological congress. Rasht.
38. **Asef, M.R.** (2013) New information on the genus *Volvariella* in Iran Proceedings of the 1th Iranian Mycological congress. Rasht.
39. **Asef, M.R.** (2013) Distribution of Desert truffles in Iran. Proceedings of the Asian International Mycological Congress. Beijing. China.
40. **Asef, M.R.** (2013) The genus *Geastrum* in Iran. Proceedings of the Asian International Mycological Congress. Beijing. China.

41. Aghajani, H., Marvie Mohadjer, A. **Asef, M.R.**, Shirvany, A. and Kheikhah (2013) Effect of altitude gradient on diversity and abundance of wood macrofungi by oak (*Quercus castaneifolia* C.A.M.) and hornbeam (*Carpinus betulus* L.) in a Caspian forests of Iran (Case Study: Kheyroud forest). Proceedings of the Biosphere reserve the way to sustainability. Karaj. Iran
42. **Asef, M.R.** (2014) Wood inhabiting Discomycetes of Helotiales of Iran. Proceedings of the 21th Iranian Plant Protection congress. Urmia.
43. **Asef, M.R.** (2014) Study on mycorrhizal genus *Russula* in Iran.. Proceedings of the 21th Iranian Plant Protection congress. Urmia.
44. Jadidiyan, A., Zafari, D. and **Asef, M.R.** (2014) A report of six new species of Agaric fungi for Hamedan province. Proceedings of the 21th Iranian Plant Protection congress. Urmia.
45. Neshatie Tanha, F., Zafari, D. and **Asef, M.R.** (2014) New hosts for wood inhabiting fungi in Iran. Proceedings of the 21th Iranian Plant Protection congress. Urmia.
46. **Asef, M.R.**, Amini Rad, M. (2015) Identification of medicinal mushrooms of Gilan province. 1st national conference on Herbs and Herbal Medicine. Tehran. Iran
47. Amini Rad, M. and **Asef, M.R.** (2015) A review of *Carex hirta* with medicinal aspect. 1st national conference on Herbs and Herbal Medicine. Tehran. Iran.
48. **Asef, M.R.** (2015) Study on ectomycorrhizal genus *Boletus* in Iran. Proceedings of the 2nd Iranian Mycological congress. Karaj.
49. Keypour, S., Riahi, H., Safaie, N., Borhani, A., **Asef, M. R.** and Abdollahzadeh J. (2015) Phylogenetic analysis of *Ganoderma* species collected from North of Iran using mtSSU rDNA and ITS sequences. Proceedings of the 2nd Iranian Mycological congress. Karaj.
50. . Mahdizadeh, V., Safaie, N., Mohammadi Goltapeh, E., **Asef, M. R.**, Nassaj Hosseini, S. M. and Callac, Ph. (2015) Study on *Agaricus* section *Bivelares* in Iran. Proceedings of the 2nd Iranian Mycological congress. Karaj.
51. Jafarpour, S., Fotouhifar, K., Javan-Nikkhah, M., **Asef, M.R.**, Moncalvo, J.M., Davis, A.S., Ross, A.L. Davis, Hanna, J.W., Margaritescu, S., Klopfenstein, N.B. 2015. Characterization of *Armillaria* species from surveys of broad-leaved forests in the Alborz Mountains of northern Iran. International Conference of IUFRO, "Root and Butt Rot of Forest Trees". Antalya, Turkey
52. Mahdizadeh, V., Safaie, N., Mohammadi, E., **Asef, M.R.**, Nassaj Hosseini, M., Callac, Ph. 2015. *Agaricus* section *Xanthodermatei* in Iran. Proceedings of 8th International

Conference on Researches in Engineering, Technology and Science. (ICRETS), Istanbul, Turkey.

53. Jafarpour, S., Fotouhifar, K.-B., Javan-Nikkhah, M., **Asef, M.R.**, Davis, A.S., Ross-Davis, A.L., Hanna, J.W., Margaritescu, S., Moncalvo, J.M., Klopfenstein, N.B. (2016) An integrated taxonomic approach to survey *Armillaria* in Iran. Disease Work Conference. Newport, Oregon
54. **Asef, M.R.** (2016) Ectomycorrhizal fungi associated with oak tree in Arasbaran forest (NW Iran) Proceedings of the 21th Iranian Plant Protection congress.
55. **Asef, M.R.** (2017) Antibiotics derived from macroscopic fungi: Dispersion, structure and spectrum of antimicrobial effects. 18th international congress of Microbiology, Tehran, Iran.
56. **Asef, M.R.** and Harsini, S. (2017) Geographical distribution of *Pleurotus eryngii* species complex in Iran. 9th International Medicinal Mushrooms Conference, Palermo, Italy.
57. Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2017) *Coprinopsis insignis* and *Coprinopsis semitalis*, two new species for the Iranian mycobiota. Proceedings of the 3rd Iranian Mycological congress. Sanandaj. Iran.
58. Habibi, R., Rahnama, K. and **Asef, M.R.** (2017) Mycoflora of *Helianthemum ledifolium* roots (symbiosis of *Terfezia claveryi*) in Golestan province. Proceedings of the 3rd Iranian Mycological congress. Sanandaj. Iran.
59. 126. Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2018) The first report of *Agaricus devoniensis* and *A. nevoi* from Kermanshah province. International Congress on Biotechnology of Medicinal Mushrooms and Plants. University of Zanjan.
60. Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** (2018) New records of agaric fungi from Kermanshah province. International congress on Biotechnology of Medicinal Mushrooms and Plants. University of Zanjan.
61. Habibi, R., Rahnama, K., Razavi, S.E., Khomeiri, M. and **Asef, M.R.** 2018. Molecular and biochemical identification of *Helianthemum ledifolium* and desert truffle (*Terfezia claveryi*) soil in Golestan province. Proceedings of the 23th Iranian Plant Protection congress. Gorgan.
62. Seidmohammadi, E, Abbasi, S. and **Asef, M.R.** 2018. Eighteen new species of agaric fungi for the mycobiota of Iran. Proceedings of the 23th Iranian Plant Protection congress. Gorgan.

63. **Asef, M.R.** 2019. Entrepreneurship and business creation in the world of fungi. Proceedings of the 4th Iranian Mycological congress. Sari. Mazandaran.
64. **Asef, M.R.** 2023. A review of boletoid fungi in Iran. Proceedings of the 5th Iranian Mycological congress. Tabriz.
65. 159. Mesbah, G., **Asef, M.R.**, Tash Shamsabadi, F., Abadi, A., Amirian, S. 2023. Evaluation of the effects of *Ganoderma lucidum* as a safe medicinal mushroom in the treatment of cancer patients with human breast cancer. Proceedings of the 5th Iranian Mycological congress. Tabriz.

BOOKS:

1. **Asef, M.R.** (2009) **Poisonous mushrooms of Iran**. Iran-shenasi publishing. 214 pp.
2. **Asef, M.R.** and Mojdehi, M. (ed.). (2012) **Proceedings of the 20th Iranian Plant Protection congress**, vol. II. Plant Diseases, Shiraz. Iran.
3. **Asef, M.R.** and Mojdehi, M. (ed.). (2012) **Proceedings of the 20th Iranian Plant Protection congress**, vol. III. Weed Sciences, Shiraz. Iran.
4. **Asef, M.R.** (2016) **Medicinal mushrooms of Iran**. Iran-shenasi publishing. 160 pp
5. Ershad, D. *et al.* (2018) **Genera of Fungi and Fungal Analogues of Iran**. Research Institute of Plant Protection. Tehran
6. **Asef, M.R.** 2021. **Field guide of Mushrooms of Iran**. Iran-shenasi Publishing. 345 pp.

THESIS SUPERVISED OR ADVISED

1. Bahram, M., (MSc thesis), Macroscopic fungal flora of selected area of Mazandaran, University of Tehran (2007)
2. Fadavi, S., (MSc thesis), Identification of Agaric fungi of Kermanshah province, University of Kurdistan (2011)

3. Aghajani, H., (MSc thesis), Study on the oak and Hornbeam decaying macro fungi in mixed OakHornbeam forest community in kheiroud Forest, North of Iran, University of Tehran (2012)
4. Abiavi, N., (MSc thesis), Study on the decaying macro fungi of beech trees in the Fagatum association in North of Iran (case study: kheiroud Forest), University of Tehran (2012)
5. Jadidian, A. (MSc thesis), Identification of agaric fungi of Hamadan province, University of Hamedan (2013).
6. Neshati, F., (MSc thesis), Identification of non-agaric macrofungi in Hamadan province, University of Hamedan (2013).
7. Vazirian, M., (PhD thesis), Evaluation of chemical composition of *Ganoderma lucidum*. University of Tehran, (2013).
8. Pourghasem, M., (MSc thesis), Macrofungi of Tonekabon area, University of shahid Beheshti. (2014).
9. Keypour, S. (PhD thesis), Morphological and molecular identification of *Ganoderma* spp. Collected from North Iran. University of shahid Beheshti, (2014).
11. Jafarpour, S. (PhD thesis), phylogeny of *Armillaria* (Fr.)Stauder in Iran. University of Tehran. (2016).
12. Mahdizadseh, V. (PhD thesis), Taxonomy of *Agaricus* in North and North-west of Iran. University of Tarbait Modarres. (2015).
13. Seidmohammadi, E. (MSc thesis), Agaric fungi of selected area of Kermanshah, Kermanshah Razi University. (2017).
14. Habibi, R., (PhD thesis), The study of ecological conditions of desert truffle and mycorrhizal symbiosis feasibility in Golestan province. Gorgan University. (2018).
15. Mohammadifar, S., (PhD thesis), Study on phytochemical active metabolites of *Ganoderma* species in Iran. Tehran Payame-Noor University. (2016).
16. Pashaii, P. (PhD thesis), Study of the antifungal activity of pure extract of *Ganoderma lucidum* and erythrosine B and cerulenin against pathogenic fungi *Aspergillus fumigatus* and evaluation of its synergistic effects with azoles and polyenes. Pharmaceutical Sciences Branch, Islamic Azad University. (2018).
17. Zandi, M. (MSc thesis), The effect of ultraviolet radiation and blue light on the yield and nutritional value of oyster mushroom (*Pleurotus eryngii*), Hamedan University, (2020)

18. Zorriye Soleriman, S. (MSc thesis), Hamedan University, (2020)

19. Nejatizadeh, S. (PhD thesis), Ferdowsi University, (2025)

MEMBERSHIP

1. Iranian Phytopathological Society. 1998–present.

2. Iranian Mycological Society. 2010-present.

REVIEWER FOR THE FOLLOWING JOURNALS:

- Animal Science Journal

- Biological Journal of Microorganisms

- Cellular and Molecular Biology

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- Iranian Journal of Forest

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- Iranian Journal of Plant Pathology

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- Mycologia Iranica

- Natural Product Research
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- Plant Researches (Iranian Journal of Biology)
- Rostaniha (Botanical Journal of Iran)
- Taxonomy and Biosystematics Journal