

**Hamid Reza Asghari**  
**Curriculum Vita**

Shahrood University of Technology, Faculty of Agriculture, Shahrood, Iran  
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**PRESENT POSITION**

1- Associate professor of faculty of Agriculture in Shahrood University of Technology, Shahrood, Iran (2004-2022)

Lecturer of the following courses:

- Soil biology
- Soil microbiology
- Ecology of cropping systems
- Landscape ecology
- Soil and biofertilizer ecology
- Ecology
- Research methodology
- Soil biological fertility and fertilizers
- Sustainable soil management
- Conservation of soil and water resources
- Rangeland management

2- Head of Semnan province incubators in Semnan Science and Technology Park (2015-2017)

**FIELD OF RESEARCH**

Soil ecology. Soil microorganisms' biodiversity and functioning, Endo mycorrhizal fungi and plants interactions.

**PERSONAL DATA**

Birth date: Aug 16, 1965 in Shahrood, Iran

Marital and family status: Married to Maryam Enayatfard

**EDUCATION**

B Sc in Agronomy and plant breeding from Ferdowsi University of Mashhad, Iran, 1990

M Sc in Rangeland management from Gorgan University of Agriculture and Natural Resources, Iran, 1994

Ph D in Soil Ecology from Adelaide University, Australia, 2004

Research fellowship (Endeavour Awards) in Monash University (Melbourne, Australia) 2009-2010

#### **PUBLICATIONS and CONFERENCES:**

**Hadiseh Bahari Saravia, Ahmad Gholami, Hemmatollah Pirdashti, Mehdi Baradaran Firouzabadi, and Hamidreza Asghari. 2021.** The Response of Stevia (*Stevia rebaudiana* Bertoni) Photosystem II Photochemistry to Fungi Symbiosis and Spermidine Application under Saline Water Irrigation. *Russian Agricultural Sciences*, 2021, Vol. 47, No. 1, pp. 39–43.

**Fathollah Nadali, Hamid Reza Asghari, Hamid Abbasdokht, Vajiheh Dorostkar & Mahmoud Bagheri. 2020.** Improved Quinoa Growth, Physiological Response, and Yield by Hydropriming Under Drought Stress Conditions. *Gesunde Pflanzen* DOI 10.1007/s10343-020-00527-1

**Ali Abbaspour<sup>1</sup>, Hamidreza Asghari. 2019.** Effect of biochar on nitrogen retention in soil under corn plant inoculated with arbuscular mycorrhizal fungi. *Advances in Environmental Technology* 3 (2019) 133-140.

**Moshfeghi N, Heidari M, Asghari HR, Baradaran firouzabadi M, Abbott LK , Yinglong C. 2020.** Effect of zinc foliar application and mycorrhizal inoculation on morphophysiological traits and yield parameters of two barley cultivars. *Italian Journal of Agronomy*. Vol : 14 , no : 2 , pp : 67-77

**Heidari M, Salmanpour I, Ghorbani H, Asghari HR. 2018.** Iron Chelate and Rhizobacteria Changed Growth, Grain Yield, and Physiological Characteristics in Maize. *Scientia Agriculture Bohemica*. Vol : 49 , no : 4 , pp : 245-254.

**Nezarat S, Gholami A, Asghari HR, Baradaran firouzabadi M. 2018.** Sweet Sorghum Response to Magnesium Fertilization and Top Removal. *Sugar Tech*. Vol : 20 , no : 3 , pp : 305-311.

**Makarjian H, Pozesh V, Asghari HR, Nazari M. 2016.** Interaction effects of arbuscular mycorrhiza fungi and soil applied herbicides on plant growth. *Communications in Soil Science and Plant Analysis*. DOI: 10.1080/00103624.2016.1146744

**Ghasemi H, Rezaei M, Asghari HR, Ghorbani ghoushdi H. 2016.** Cultivation of tuberose in pot and field with humic acid treatments under a semi-arid climate. *Indian Journal of Horticulture*. Vol : 73 , no : 3 , pp : 391- 395

**Cavagnaro TR, Bender SF, Asghari HR, Heijden MG. 2015.** The role of arbuscular mycorrhizas in reducing soil nutrient loss. *Trends Plant Sci* 20:283-290.

**Rezvanypour, S, Hatamzadeh, A, Elahinia, SA, Asghari, HR. 2015.** Exogenous polyamines improve mycorrhizal development and growth and flowering of *Freesia hybrid*. *Journal of Horticultural Research*. v.23 no.2 pp. 17-25

**Safari S, Abedi A, Asghari HR, Safari Sinegani AA. 2015.** Using *Trifolium alexanderium* for phytoremediation of some heavy metals in tailings dam in Anjir Tange coal washing plant, Mazandaran, Iran. *Journal of Mining & Environment*. Vol : 6 , no : 2 , pp : 141-150.

**Sharififar A, Honarvar Nazari M, Asghari HR. 2015.** Effect of ultrasonic waves on seed germination of *Atriplex lentiformis*, *Cuminum cyminum*, and *Zygophyllum eurypterum*. *Journal of*

Applied Research on Medicinal and Aromatic Plants. Vol : 2 , no : 3 , pp : 102-104.

**Honarvar Nazari M, Sharififar A, Asghari HR. 2014.** *Medicago Scutellata* Seed Dormancy Breaking by Ultrasonic Waves. *Plant Breeding and Seed Science*. Vol: 69 , no : 1.

**Asghari HR, Cavagnaro TR .2012.** Arbuscular Mycorrhizas Reduce Nitrogen Loss via Leaching. *PLOS ONE* 7(1): e29825. doi:10.1371/journal.pone.

**Asghari HR, Cavagnaro TR. 2011.** Arbuscular mycorrhizas enhance plant interception of leached nutrients. *Functional Plant Biology.*, 38(3) 219-226.

**Asghari HR, Cavagnaro TR. 2010.** Mycorrhizal response of halophytes to plant growth in non-saline soil conditions. In 19th World Congress of Soil Science, Soil Solutions for a Changing World. 1 – 6 August 2010, Brisbane, Australia.

**Hassani N, Asghari H R, Frid, AS and Nurberdief M. 2008.** Impacts of overgrazing in a long term traditional grazing ecosystems on vegetation around watering points in a semi-arid rangeland of northeastern Iran. *Pakistan Journal of Biological Research*. In press.

**Asghari H R, Amerian M R. 2008.** Soil salinity affects arbuscular mycorrhizal colonization of halophytes. *Pakistan Journal of Biological Research*. In press.

**Asghari H R, Smith S E, Smith F A. 2008.** Improved salinity tolerance in preinoculation sub clover (*Trifolium subterraneum*) seedlings. In proceeding of The International Conference on Biotic Plant Interactions. Brisbane, Australia.

**Amerian, M R, Asghari H R. 2008.** Ability of arbuscular mycorrhizal fungi to colonize halophytes under saline conditions. In proceeding of The International Conference on Biotic Plant Interactions. Brisbane, Australia.

**Asghari H R, Amerian, M R. 2008.** Comparative effects of arbuscular mycorrhizal on water relations of maize and bean under drought-stressed conditions. In proceeding of The International Conference on Biotic Plant Interactions. Brisbane, Australia.

**Asghari H R, Smith S E, Smith F A. 2006.** Effects of mycorrhizal fungi on mobility of P under leaching of repacked columns of a loamy sand soil in saline conditions. In proceeding of The Fifth International Conferences on Mycorrhizae ICOM5. Granada Spain. pp 181.

**Asghari H R, Chittleborough D J, Smith F A and Smith S E. 2005.** Influence of arbuscular mycorrhizal (AM) symbiosis on phosphorus leaching through soil cores. *Plant and Soil*. 273:245-276

**Asghari H R, Marschner P, Smith S E, Smith F A. 2005.** Growth response of *Atriplex nummularia* to mycorrhizal inoculation at different salinity levels. *Plant and Soil*. 275: 181-193.

**Asghari H R, Smith S E, Smith F A. 2003.** The effects of mycorrhizal fungi on plant establishment in saline conditions. In proceeding of The Fourth International Conferences on Mycorrhizae ICOM4. Montreal Canada. pp 107.

**Asghari H R. 1996.** A survey on distribution pattern and ecological needs in *Zygophyllum eurypterum* in Turan Biosphere Reserve. Pajohesh va Sazandegi. 26 pp