# ***Curriculum vitae (CV)***

## Personal Information

**Name:** Farhad Azarmi-Atajan

**Nationality:** Iranian

**Date of Birth:** January 21, 1986

**Marital Status:** Married with one children

## Contact Information

Department of Soil Science and Engineering, Agricultural College, University of Birjand, Birjand, Iran. P.O.B. 331

**Office Tel:** +98 56 32254041-7 Ext. 341

**Fax:** +98 56 32254050

**Email:** farhadazarmi@birjand.ac.ir & farhadazarmi@yahoo.com

## Position

Assistant Professor, Department of Soil Science and Engineering, University of Birjand, Since September 2016

## Education

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| 2005-2009 | Bu-Ali Sina University, Hamedan, Iran |
| | **Degree:** B.Sc. in Soil Science |
| 2009-2011 | Tarbiat Modares University, Tehran, Iran |
| | **Degree:** M.Sc. in Soil Fertility and Chemistry |

**Thesis:** *Effect of Inoculation of Phosphate Solubilizing Microorganisms on the Efficiency of Phosphate Fertilizers in Canola*

2011- 2015 Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran

**Degree:** Ph.D in Soil Science

**Dissertation:** *Physiological, Biological and Enzymatic Activity Responses of Pistachio Seedlings Treated with Fluorescent Pseudomonads to Salinity Stress and Fractionation of Zn and Mn in the Rhizosphere*

## Main areas of interest

- ✓ Microbe-Soil-Plant Interactions
- ✓ Bio-fertilizers
- ✓ Soil Biological Quality
- ✓ Soil Biological Fertility
- ✓ Plant Nutrition
- ✓ Environmental Stress

## Publications

### a- *Papers Published in International Journals*

**1- Azarmi, F.** Mozafari, V. Abbaszadeh-dahaji, P and Hamidpour, M. 2016. Biochemical, Physiological and Antioxidants Enzymatic Activity Responses of Pistachio Seedlings Treated with Plant Growth Promoting Rhizobacteria and Zn to Ssalinity Stress. *Acta Physiologiae Plantarum* 38: 21. **DOI: 10.1007/s11738-015-2032-3.**

**2- Azarmi, F.** Mozaffari, V. Hamidpour, M and Abbaszadeh-dahaji P. 2016. Interactive Effect of Fluorescent Pseudomonads Rhizobacteria and Zn on the Growth, Chemical Composition and Water Relations of Pistachio (*Pistachia vera* L.) Seedlings under NaCl Stress. *Communications in Soil Science and Plant Analysis* 47 (8): 955-972. **DOI: 10.1080/00103624.2016.1165833.**

**3- Azarmi Atajan, F.** Mozafari, V. Abbaszadeh-dahaji, P and Hamidpour, M. 2019. Fractionation and Speciation of Manganese in Rhizosphere Soils of Pseudomonas sp. Rhizobacteria Inoculated Pistachio (*Pistacia vera* L.) Seedlings under Salinity Stress. *Communications in Soil Science and Plant Analysis* 50 (7): 894-908. **DOI: 10.1080/00103624.2019.1594876.**

**4- Azarmi-Atajan, F.** and Sayyari-Zohan, M.H. 2020. Alleviation of salt stress in lettuce (*Lactuca sativa* L.) by plant-growth promoting rhizobacteria. *Journal of Horticulture and Postharvest Research*. 3: 67-78. **DOI: 10.22077/JHPR.2020.3013.1114.**

**5**- Abbaszadeh-Dahaji, P. **Azarmi-Atajan, F.** Omidvari, M. Tahan, V. and Kariman, Kh. 2021. Mitigation of Copper Stress in Maize (*Zea mays*) and Sunflower (*Helianthus annuus*) Plants by Copper-resistant *Pseudomonas* Strains. *Current Microbiology*. 78: 1335- 1343.

**6- Azarmi-Atajan, F**. and Sayyari-Zohan, MH. 2022. Effect of phosphate solubilizing bacteria and triple superphosphate on the growth, physiological parameters and phosphorus uptake of pistachio seedlings. *Journal of Horticulture and Postharvest.* 5(1):69-78

7- Vahidi, MJ. Sayyari Zahan, MH. **Azarmi Atajan, F.** and Parsa, Z. 2022. The effect of biochars produced from barberry and jujube on erosion, nutrient, and properties of soil in laboratory conditions. *Soil and Tillage Research*. 219: 105345.

## b- *Papers Published in Persian Journals (with English Summary)*

**1- Azarmi, F.** Malakouti, M. J. and Khavazi, K. 2014. Effect of Inoculation of Phosphate Solubilizing Microorganisms on Increasing the Efficiency and Recovery Percent of Phosphate Fertilizers in Canola. *Iranian Journal of Soil Rresearch* 27 (4): 499-507.

**2- Azarmi, F.** Mozaffari, V. Abbaszadeh-dahaji P. and Hamidpour, M. 2015. Isolation and evaluation of plant growth promoting indices of Pseudomonas fluorescens isolated from Pistachio rhizosphere. *Journal of Soil Biology* 2(2): 173-186. **DOI: 10.22092/SBJ.2015.100867.**

**3- Azarmi, F.** Malakouti, M. J. Khavazi, K. and Saghafi, K. 2014. Effect of Simultaneous Application of Pseudomonas fluorescens and Phosphate Fertilizers on Yield and Uptake of Phosphorous and Micronutrients in Canola. *Journal of Soil Biology* 3(1): 21-30. **DOI: 10.22092/SBJ.2015.102223.**

**4- Azarmi Atajan, F.** Mozaffari, V. Hamidpour, M and Abbaszadeh-dahaji P. 2016. Interactive Effect of Fluorescent Pseudomonads Rhizobacteria and Zn on the Fractionation and Availability of Zn in the Rhizosphere Soil of Pistachio Seedlings (*Pistacia vera* L.) under Salinity Condition. *Electronic Journal of Soil Management and Sustainable Production* 6(1): 47-68. **DOI: 10.22069/EJSMS.2016.3003.**

**5- Azarmi-Atajan, F.** Hammami, H. and Yaghoobzadeh, M. 2020. The Application of Plant Growth Promoting Microorganisms and Phosphate Fertilizers on Yield, Yield Components and

Water Use Efficiency of Wheat at Levels of Irrigation Water. *Journal of Crop Production* 12(4): 1-24.

**6-** Hammami, H. **Azarmi-Atajan, F.** and Yaghoobzadeh, M. 2021. The Evaluation of Seed Osmopriming and Irrigation Levels on Growth, Yield and Yield Component on Wheat (*Triticum aestivum* L.). *Environmental Stresses in Crop Sciences* 13 (4): 1219-1229.

## c- *Papers Presented at International Conferences*

1- Malakouti, M. J. and **Azarmi, F.** 2011. Promotion of Crop Yield and Human Health by Application of Zinc Fertilizers into Arable Lands. *3rd International Zinc Symposium*. Hyderabad, India.

**2- Azarmi, F**. and Mozafari, V. 2016. Availability and Speciation of Zn in the Rhizosphere Soil of PGPR-inoculated Pistachio Seedlings under Saline Condition. *5th EUROSOIL International Congress*. Istanbul, Turkey.

3- Mozafari, V. and **Azarmi, F.** 2016. The Effect of Plant Growth Promoting Rhizobacteria on the Growth and Micronutrients Uptake in the Pistachio Seedlings under Salinity Stress. *5th EUROSOIL International Congress.* Istanbul, Turkey.

## d- *Papers Presented at Iranian Conferences*

1- **Azarmi, F.** Malakouti, M. J. and Khavazi, K. 2014. Effect of Pseudomonas fluorescens Bacteria on Phosphorus Uptake and Yield Component of Canola in Greenhouse Conditions. *13th Iranian Soil Science Congress*. Shahid Chamran University, Ahvaz, Iran.

**2- Azarmi, F.** Mozaffari, V. Abbaszadeh-dahaji P. and Hamidpour, M. 2014. Comparison of Phosphorus Dissolution Potential by Superior Florescent Pseudomonads Bacteria Isolated from the Pistachio and Wheat Rhizosphere. *1st Iran`s Pistachio Conference*. Shahid Bahonar University, Kerman, Iran.

**3- Azarmi, F.** Mozaffari, V. and Abbaszadeh-dahaji P. 2015. An Evaluation of Some Growth and Physiological Parameters of Phosphate Solubilizing Bacteria (PSB)-Inoculated Pistachio Seedlings under Salt Stress. *14th Iranian Soil Science Congress*. Vali-e-Asr University of Rafsanjan, Rafsanjan, Iran.

**4- Azarmi Atajan, F.** 2017. Efeect of Plant Growth Promoting Rhizobacteria (PGPR) on Growth and Nutrient Uptake by Pistachio Seedlings under Salinity Stress. *15th Iranian Soil Science Congress*. Isfahan University of Technology, Isfahan, Iran.

**5- Azarmi Atajan, F.** Mozaffari, V. and Daghighi, S. 2017. Fractionation of Mn in the Fluorescent Pseudomonads Inoculated Pistachio Seedlings Rhizosphere under Saline Condition. *15th Iranian Soil Science Congress*. Isfahan University of Technology, Isfahan, Iran.

**6- Azarmi Atajan, F.** 2018. Effect of Phosphate Solubilizing Bacteria on the Growth and Phosphorus Uptake in Pomegranate Seedlings in Saline Conditions. *International Conference on Promotion of Scientific and Regional Cooperation on Food and Agricultural Sciences*. The Research Institute of Food Science and Technology, Mashhad, Iran.

**7- Azarmi Atajan, F.** 2018. Investigating the Role of Auxin Producing Bacteria and Indole Acetic Acid (IAA) on Rooting of Pomegranate Cuttings. *International Conference on Promotion of Scientific and Regional Cooperation on Food and Agricultural Sciences.* The Research Institute of Food Science and Technology, Mashhad, Iran.

**8-** Bayat, H. Shahraki, B. Aminifard, M. H. and **Azarmi-Atajan, F.** 2019. Investigating the Growth Parameters of Pot Marigold (*Calendula officinalis* L.) under the Influence of Selenium and Nano Selenium Treatments. *11th Iranian Horticultural Science Congress.* Urmia University, Urmia, Iran.

**9-** Bayat, H. Shahraki, B. Aminifard, M. H. and **Azarmi-Atajan, F.** 2019. Effect of Silicon and Nano Silicon on Growth Characteristics of Pot Marigold (*Calendula officinalis* L.). *11th Iranian Horticultural Science Congress.* Urmia University, Urmia, Iran.

**10- Azarmi-Atajan, F.** 2019. The Role of Siderophore Producing Bacteria on the Growth and Uptake of Micronutrient in the Pomegranate Cuttings. *16th Iranian Soil Science Congress.* Zanjan University, Zanjan, Iran.

**11- Azarmi-Atajan, F.** 2019. Evaluation of the Role of Phosphate Solubilizing Bacteria and Phosphate Fertilizers on some Growth Parameters and Phosphorus Content in Pistachio Seedlings. *16th Iranian Soil Science Congress.* Zanjan University, Zanjan, Iran.

**12- Azarmi-Atajan, F.** and Sayyari Zahan, M. H. 2019. The Effect of Biofertilizer and Organic Matters on some Physical, Chemical, and Biological Properties of Soil under Wheat Cultivation. *16th Iranian Soil Science Congress*. Zanjan University, Zanjan, Iran.

**13- Azarmi-Atajan, F.** 2021. The effect of different salinity levels of irrigation water on some growth characteristics of lettuce. *17th Iranian Soil Science Congress*. Soil and Water Research Institute, Karaj, Iran.

## e- *Published books*

**1-** Maity, A. Khayyat, M. **Azarmi-Atajan, F.** Agehara, S. Sarkhosh, A. 2021. **Soil and nutrition** In: The Pomegranate: Botany, Production and Uses, CABI, ISBN: 9781789240764