



## University of Tabriz

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### Curriculum Vitae

**Name:** Mohammad Reza Sarikhani  
Associate Professor  
Soil Biology and Biotechnology



**Date of Birth:** Oct, 23, 1978  
**Place of Birth:** Safashahr, Iran  
**Marriage status:** Married  
**Address:**

Department of Soil Science  
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**Education:**

Ph.D., 2004- 2010, Soil Biology and Biotechnology, Department of Soil Science, University of Tabriz, Tabriz, Iran.

Thesis title: Cloning of phosphatase-encoding gene from *Pseudomonas putida* strain P13 for transforming *Pantoea agglomerans* bacterium and assessment of the transgenic bacterium efficacy on growth of wheat.

M.Sc., 2001- 2003, Soil Biology, Department of Soil Science, University of Tabriz, Tabriz, Iran.

Thesis title: Inoculation effect of potato with AM fungi on K uptake, starch content and yield of tubers.

B.Sc., 1997-2001, Soil Science, Department of Soil Science, Ferdowsi University of Mashhad, Mashhad, Iran.



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### Abilities and Proficiencies:

Soil Microbiology (Screening, Isolation and Study on Soil Beneficial Microorganisms e.g. PGPR, PSB, ...)  
Soil Biotechnology (Gene Isolation and Cloning, Enzyme Characterization, ...)

### Teaching Experience:

Lecturer, Soil Biology, Undergraduate course, University of Mohaghegh Ardabili, 2004.

Lecturer, Soil Biology, Undergraduate course, University of Maragheh, 2006.

Lecturer, General Soil Science, Undergraduate course, University of Tabriz, 2011 until now.

Lecturer, Soil Biology, Undergraduate course, University of Tabriz, 2011 until now.

Lecturer, English for Soil Science Students, Undergraduate course, University of Tabriz, 2011, 2012.

Lecturer, Microbial Genetics, Graduate course, University of Tabriz, 2011 until now.

Lecturer, Principles and Methods of Microbial Biotechnology, Graduate course, University of Tabriz, 2012 until now.

Lecturer, Soil Microbiology, Undergraduate course, University of Tabriz, 2012 until now.

Lecturer, Bioremediation, Graduate course, University of Tabriz, 2012 until now.

Lecturer, Water and Soil Contamination, Graduate course, University of Tabriz, 2014 until now

Lecturer, Preparation Technology of Biofertilizers, Graduate course, University of Tabriz, 2017 until now

**Superadvisor**, M.Sc. Thesis entitled “Distribution of phosphate solubilizing bacteria and soil phosphatase activity in different land uses”, Nastaran Chalabianlou, University of Tabriz, 2014.

Superadvisor, M.Sc. Thesis entitled “Quality assessment of some Iranian biofertilizers and response of bean and maize to their inoculation”, Saeideh Ansari, University of Tabriz, 2014.

Superadvisor, M.Sc. Thesis entitled “Effect of some bacterial potassium releasing isolates on growth and K uptake by Tomato and identification of efficient isolates”, Omid Madani, University of Tabriz, 2014 not yet finished.

Superadvisor, M.Sc. Thesis entitled “Effect of potassium releasing Pseudomonads on K uptake and Tomato growth in two different soils”, Masumeh Deylami Rad, University of Tabriz, 2014 not yet finished.

Superadvisor, M.Sc. Thesis entitled “Study on plant growth promoting (PGP) properties of bacterial strains used in some common biofertilizers in Iran”, Bahman



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Khoshru, University of Tabriz, 2014 not yet finished.

Superadvisor, M.Sc. Thesis entitled “**Improving** pot culture media for inoculum production of arbuscular mycorrhizal fungi”, Hajar Mahmudi, University of Tabriz, 2014 not yet finished.

Superadvisor, M.Sc. Thesis entitled “Isolation and Identification of Auxin Producing Azospirilla and Study the Effect of Superior Isolates on Growth and Root Development of Corn”, Shokufeh Moradi, University of Tabriz, 2014 not yet finished.

**Advisor**, M.Sc. Thesis entitled “Isolation, purification and identification of oil-decomposing bacteria from contaminated soils and the study of their efficiency”, Mitra Ebrahimi, Islamic Azad University, Branch Karaj, 2010.

Advisor, M.Sc. Thesis entitled “Investigation of decomposition potential of oil materials by isolated bacteria from oil-polluted soils of Boushehr province under different conditions”, Zahra Yarahmadi, Islamic Azad University, Branch Karaj, 2010.

Advisor, M.Sc. Thesis entitled “The effect of *Azospirillum* spp. on nitrogen uptake and nitrate reductase activity in wheat plants under water stress”, Zahra Heiydariann, University of Tabriz, 2011.

Advisor, M.Sc. Thesis entitled “Effects of dual inoculation with *Pseudomonas fluorescens* and *Glomus intraradices* on yield and growth indices of tomato under different salinity levels”, Mina Hakimi, University of Tabriz, 2011.

Advisor, M.Sc. Thesis entitled “Influence of arbuscular mycorrhizal fungi on some physical and hydraulic properties of a soil under growth of tomato and spring barley” Fariba Samaei Nematabad, University of Mohaghegh Ardabili, 2012.

Advisor, M.Sc. Thesis entitled “Effect of some biofertilizers, plant growth promoting rhizobacteria (PGPR) and arbuscular mycorrhiza fungi on growth, yield and quality traits of Tareh Irani (*Allium ampeloprasum* L.)”, Keyvan Karimi, University of Tabriz, 2013.

Advisor, M.Sc. Thesis entitled “Effect of plant growth promoting rhizobacteria (PGPR) and arbuscular mycorrhiza fungi on growth, yield and quality traits of garlic (*Allium sativum* L.)”, Ali Reza Amighi, University of Tabriz, 2013.

Advisor, M.Sc. Thesis entitled “Effect of plant growth promoting rhizobacteria (PGPR) and arbuscular mycorrhiza fungi on growth, yield and quality traits of Horand landrace of onion (*Allium cepa* L.)”, Hosein Ezati, University of Tabriz, 2014 not yet finished.



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Advisor, Ph.D. Thesis entitled “Isolation and study on genetic diversity of Azotobacters with \_–high efficient PGP traits.)”, Mitra Ebrahimi, Bu Ali Sina University, 2014 not yet finished.

### Publications:

1. **Sarikhani MR**, Aliasgharzad N, Rahimzadeh Khoei F, Mohammadi SA (2005) Effect of inoculation two AM fungi on potassium uptake and potato yield”. 9<sup>th</sup> soil science congress of Iran, 28-30 August, Tehran, Iran. (in Persian language- Oral Presentation)
2. **Sarikhani MR**, Aliasgharzad N, Rahimzadeh Khoei F, Mohammadi SA (2006) Increase of starch, percent of dry matter and spcific gravity of potato tuber in presence of AM fungi symbiosis. The Congress of Soil, Environment and Sustainable Development. 8-9 November, Karaj, Iran. (in Persian language)
3. **Sarikhani MR**, Ebrahimi M, Mohammadzadeh S (2006) Inoculation of cellulolytic fungi on biodegradation of straw and production of compost. The Congress of Soil, Environment and Sustainable Development. 8-9 November, Karaj, Iran. (in Persian language)
4. Zamani K, Lohrasbi T, Sabet MS, **Sarikhani MR**, Malboobi MA (2007) Functional analysis of PAP18 gene encoding purple acid phosphatase in *Arabidopsis thaliana*. The 5<sup>th</sup> National Biotechnology Congress of Iran, 24-26 November, Tehran, Iran. (in Persian language)
5. **Sarikhani MR**, Malboobi MA (2008) Phosphate solubilizing bacteria and genetic of phosphate solubilization.10<sup>th</sup> Congress of Iranian Genetics Society. 22-24 May, Tehran, Iran. (in Persian language)
6. **Sarikhani MR**, Malboobi MA, Aliasgharzad N, Greiner R, Yakhchali B (2010) Functional screening of phosphatase-encoding genes. 11<sup>th</sup> Congress of Iranian Genetics Society. 22-24 May, Tehran, Iran. (in Persian language- Oral Presentation)
7. **Sarikhani MR**, Malboobi MA, Aliasgharzad N, Greiner R, Yakhchali B (2010) Functional screening of phosphatase-encoding genes from bacterial sources. Iranian Journal of Biotechnology. 8 (4): 275-279.
8. Ebrahimi M, Fallah AR, **Sarikhani MR**, Nezami MT (2011) Isolation and efficiency assessment of gas oil degrading bacteria from oil-polluted soils of Bushehr. The 5<sup>th</sup> National Conference of New Idea in Agriculture. 16-17 February, Isfahan, Iran. (in Persian language)
9. Yarahmadi Z, Besharati, Fallah AR, **Sarikhani MR** (2011) Study the effect of pH in degradation of Gas oil by degrading bacteria in liquid media. The 5<sup>th</sup> National



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- Conference of New Idea in Agriculture. 16-17 February, Isfahan, Iran. (in Persian language)
10. Yarahmadi Z, Besharati, Fallah AR, **Sarikhani MR** (2011) Studying effect of pH on degradation of Gas oil by degrading bacteria in liquid media. The 5<sup>th</sup> National Conference of New Idea in Agriculture. Isfahan, Iran. (in Persian language)
  11. Ebrahimi M, Fallah AR, **Sarikhani MR**, Nezami MT (2011) Assessment of biosurfactant production by some isolated bacteria from polluted soils and monitoring its growth ability in presence of phenanthrene and toluene. The 1<sup>st</sup> National Conference on Sustainable Agriculture and Cleaner Products. Isfahan, Iran. (in Persian language)
  12. **Sarikhani MR**, Ebrahimi M (2011) Phosphate Biofertilizers (Phosphate solubilizing bacteria- Mycorrhizal fungi). The 1<sup>st</sup> Iranian Fertilizer Challenges congress: Half a century of the fertilizer consumption. 29 February-2 March, Tehran, Iran. (in Persian language)
  13. Heiydarian Barugh Z, Aliasgharzad N, **Sarikhani MR** (2011) Importance of *Azospirillum* Biofertilizers and its Application in Sustainable Agriculture. The 1<sup>st</sup> Iranian Fertilizer Challenges congress: Half a century of the fertilizer consumption. 29 February-2 March, Tehran, Iran. (in Persian language)
  14. **Sarikhani MR** (2011) Microbial Siderophores: Molecules in Iron nutrition and Suppressing of Pathogens. 1<sup>st</sup> Special Conference about Appportunity Methods for Sustainable Agriculture. 26-27 May, Payame Noor University of Khuzestan, Khuzestan, Iran. (in Persian language)
  15. **Sarikhani MR** (2011) Application of Potassium Solubilizing Bacteria a Promising Approach in Sustainable Agriculture. 1<sup>st</sup> Special Conference about Appportunity Methods for Sustainable Agriculture. 26-27 May, Payame Noor University of Khuzestan, Khuzestan, Iran. (in Persian language)
  16. Heiydarian Barugh Z, **Sarikhani MR** (2011) Plant Growth Promoting Rhizobacteria as a Promising approach in Sustainable Agriculture. 1<sup>st</sup> Special Conference about Appportunity Methods for Sustainable Agriculture. 26-27 May, Payame Noor University of Khuzestan, Khuzestan, Iran. (in Persian language)
  17. Hashemi S, **Sarikhani MR** (2011) Phytoremediation: a technique for cleaning of heavy metals contaminated soils. 1<sup>st</sup> Special Conference about Appportunity Methods for Sustainable Agriculture. 26-27 May, Payame Noor University of Khuzestan, Khuzestan, Iran. (in Persian language)
  18. **Sarikhani MR** (2011) Molecular techniques in soil biology; Applications and prospects. 12<sup>th</sup> Iranian Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language)
  19. **Sarikhani MR**, Aliasgharzad N, Malboobi MA (2011) Improvement of Wheat Phosphorus Nutrition in Presence of Phosphate Solubilizing Bacteria. 12<sup>th</sup> Iranian



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- Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language)
20. **Sarikhani MR**, Malboobi MA, Aliasghar zad N (2011) Phosphate solubilizing bacteria: Isolation of PSB and genes encoding phosphate solubilizing. 12<sup>th</sup> Iranian Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language- Oral Presentation)
  21. Ebrahimi M, Fallah AR, **Sarikhani MR**, Nezami MT (2011) Isolation, purification and identification of some oil-degrading bacteria from polluted soils of Bushehr province. 12<sup>th</sup> Iranian Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language- Oral Presentation)
  22. Ebrahimi M, Fallah AR, **Sarikhani MR**, Nezami MT (2011) Efficiency assessment of isolated hydrocarbon-degrading bacteria in presence of Gas oil, Toluene and Phenanthrene. 12<sup>th</sup> Iranian Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language)
  23. Heiydarian Barugh Z, Aliasghar zad N, **Sarikhani MR** (2011) Influence of *Azospirillum* isolates on seed germination of wheat and its growth in in-vitro condition. 12<sup>th</sup> Iranian Soil Science Congress. 3-5 September, University of Tabriz, Tabriz, Iran. (in Persian language)
  24. **Sarikhani MR**, Ebrahimi M, Fallah AR (2011) Comparison of hydrocarbon-degradation by isolates of *Pseudomonas fluorescens* Chao, *P. putida* P13 and *Pantoea agglomerans* P5 in presence of Gas oil, Toluene and Phenanthrene. 4<sup>th</sup> International Conference on Environmental Industrial and Applied Microbiology, 14-16 September, Malaga, Spain.
  25. **Sarikhani MR**, Malboobi MA, Aliasghar zad N, Greiner R, Bambai B (2011) Cloning and characterization of a new phosphatase gene from *Pseudomonas putida* strain P13. 4<sup>th</sup> International Conference on Environmental Industrial and Applied Microbiology, 14-16 September, Malaga, Spain.
  26. **Sarikhani MR**, Malboobi MA (2011) Phytases: enzymology, molecular and biochemical characteristic and applications. Journal of Agricultural Biotechnology. 2 (2): 13-39. (in Persian language)
  27. **Sarikhani MR** (2012) Phytases and its application in agriculture. 4<sup>th</sup> International Congress of the European Confederation of Soil Science Societies (ECSSS-EUROSOIL), 2-6 July 2012, Bari, Italy.
  28. **Sarikhani MR**, Malboobi MA, Aliasghar zad N, Greiner R (2012) Isolation, cloning and characterisation of a novel phytase gene from *Pseudomonas putida* strain P13. 4<sup>th</sup> International Congress of the European Confederation of Soil Science Societies (ECSSS-EUROSOIL), 2-6 July 2012, Bari, Italy.





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29. Ebrahimi M, Fallah AR, **Sarikhani MR** (2013) Isolation and identification of oil-degrading bacteria from oil-polluted soils and assessment of its growth in presence of gas oil. *Water and Soil Science*. 23(1): 109-121 (in Persian language).
30. **Sarikhani MR**, Aliasghar zad N (2012) Comparative effects of two Arbuscular Mycorrhizal fungi and K fertilizer on tuber starch and potassium uptake by potato (*Solanum tuberosum* L.). *International Journal of Agriculture: Research and Review*. 2 (3): 125-134.
31. Ebrahimi M, **Sarikhani MR**, Fallah R (2012) Assessment of biodegradation efficiency of some isolated bacteria from oil contaminated sites in solid and liquid media containing oil-compounds. *International Research Journal of Applied and Basic Sciences*. 3 (1): 138-147.
32. **Sarikhani MR**, Malboobi MA (2012) Phytases: enzymology, molecular and biochemical characteristic and applications. *Journal of Agricultural Biotechnology*. 2(2): 13-39. (In Persian language)
33. Ebrahimi M, **Sarikhani MR**, Fallah AR (2013) Assessment of biodegradation of Gas oil, Toluene and Phenanthrene in presence of *Pseudomonas fluorescens* CHAO, *P. putida* P13 and *Pantoea agglomerans* P5. *Water and Soil Science*. 23(2): 29-41 (in Persian language).
34. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Phosphorus and potassium uptake by mycorrhizal tomato in an alkaline soil. *The National Congress on Organic Agriculture*. University of Mohaghegh Ardabili. Ardabil. Iran.
35. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Yield and Yield Component of Mycorrhizal Spring Barley in an Alkaline Soil without Phosphorus. *The National Congress on Organic Agriculture*. University of Mohaghegh Ardabili. Ardabil. Iran.
36. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Change of some Physical Properties in a Coarse-textured Soil under Growth of Mycorrhizal Spring Barley Plant. *The National Congress on Organic Agriculture*. University of Mohaghegh Ardabili. Ardabil. Iran.
37. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Change of Hydraulic Conductivity and Pore Size Distribution in a Coarse-textured soil under Growth of Mycorrhizal Tomato. *The National Congress on Organic Agriculture*. University of Mohaghegh Ardabili. Ardabil. Iran.
38. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Effect of Mycorrhizal symbiosis on phosphorus and potassium uptake by spring barley in alkaline soil. *The 6<sup>th</sup> National Conference & Exhibition on Environmental Engineering*. University of Tehran. Tehran. Iran.



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39. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2012) Effect of Mycorrhizal symbiosis on some hydrolytic properties of an alkaline soil under spring barely culture. The 6<sup>th</sup> National Conference & Exhibition on Environmental Engineering. University of Tehran. Tehran. Iran.
40. Yarahmadi Z, Besharati H, Fallah Nosratabad AR, **Sarikhani MR** (2012) Effect of phosphorous concentration on isolated petroleum-degrading bacteria from Boushehr Province soil in presence of phenanthrene. J. of Soil Management and Sustainable Production. 2(2): 165-172.
41. **Sarikhani MR**, Ebrahimi M, Oustan S, Aliasghar zad N (2013) Application of potassium solubilizing bacteria a promising approach in sustainable agriculture – Increasing of potassium releasing from k-containing minerals in presence of insoluble phosphate. The 1<sup>st</sup> International Conference on Environmental Crisis and its Solutions. Feb 13-14, Islamic Azad University, Khouzestan, Kish Islan, Iran.
42. **Sarikhani MR**, Ebrahimi M, Fallah R (2013) Isolation, Identification and assessment of bioremediation potential of oil-degrading bacteria from oil-polluted sites of south of Iran. The 1<sup>st</sup> International Conference on Environmental Crisis and its Solutions. Feb 13-14, Islamic Azad University, Khouzestan, Kish Islan, Iran.
43. **Sarikhani MR**, Malboobi MA, Ebrahimi M (2014) Phosphate solubilizing bacteria: Isolation of Bacteria and Phosphate Solubilizing Genes, Mechanism and Genetics of Phosphate Solubilization. Journal of Agricultural Biotechnology. 6(1): 76-110. (In Persian language)
44. **Sarikhani MR**, Aliasghar zad N, Malboobi MA (2013) Improvement of Wheat Phosphorus Nutrition Using Phosphate Solubilizing Bacteria. Soil Management and Sustainable Production. 3(1): 39-57 (In Persian language)
45. Samaei, Asghari, Aliasghar zad, **Sarikhani** (2013) Influence of Arbuscular Mycorrhizal Fungi on some Physical Properties and Nutrient Uptake in a Sandy Loam Soil under Growth of Tomato. Water and Soil Science. 23(4): 33-43. (In Persian language)
46. Hakimi, Aliasghar zad, **Sarikhani**, Najafi (2013) Effect of dual inoculation with Pseudomonas fluorescens and Glomus intraradices on nutrient uptake in tomato under different salinity levels. Applied Soil Research. 1(2): 45-60. (In Persian language)
47. **Sarikhani** (2014) Phage contamination is a threat for beneficial microorganisms. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language)
48. Ansari, **Sarikhani** (2014) Study on some quality properties of common inoculat biofertilizers in Iran. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language- Oral Presentation)





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49. Ansari, **Sarikhani**, Najafi (2014) Inoculation effect of PSB and NFB biofertilizers on Bean in presence of soil native strains. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language)
50. Ansari, **Sarikhani**, Najafi (2014) Inoculation effect of PSB and NFB biofertilizers on Maize in non-sterile soil. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language)
51. Chalabianlou, **Sarikhani**, Mohammadi (2014) Screening and assessment of phosphate solubilizing efficiency of organic and inorganic phosphate solubilizing bacteria. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language- Oral Presentation)
52. Chalabianlou, **Sarikhani**, Alavikia (2014) Effect of land usage and soil physico-chemical properties on acid and alkaline phosphatase activity. 13<sup>th</sup> Iranian Soil Science Congress. 28-30 January, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (In Persian language- Oral Presentation)
53. Chalabianlou, **Sarikhani**, Alavikia (2014) Study on distribution of phosphate solubilizing bacteria at different land usages. National Conference on Agricultural Science and Technologies. 6<sup>th</sup> March, Malayer University, Malayer, Iran. (In Persian language)
54. **Sarikhani** (2014). Role of soil microbial enzymes in biochemical processes and their activity analysis. National Conference on Agricultural Science and Technologies. 6<sup>th</sup> March, Malayer University, Malayer, Iran. (In Persian language)
55. Yarahmadi Z, Besharati H, Fallah Nosratabad AR, **Sarikhani MR** (2013) Investigating the effect of nutrients and salt concentration on growth and performance of Petroleum-Degrading Bacteria. J. of Soil Management and Sustainable Production. 3(2): 187-203.
56. **Sarikhani MR** (2014) Molecular identification of bacteria; Tips and consideration. 7<sup>th</sup> Congress on Advances in Agriculture Research. 14-15 May. University of Kurdistan, Sanandaj, Iran. (Oral- in Persian language)
57. **Sarikhani MR** (2014) Molecular and Microbial Techniques in Oil and Gas Exploration. 7<sup>th</sup> Congress on Advances in Agriculture Research. 14-15 May. University of Kurdistan, Sanandaj, Iran. (in Persian language)
58. Malboobi MA, Zamani K, Lohrasebi T, **Sarikhani MR**, Samaian A, Sabet MS (2014) Phosphate: the Silent Challenge. Progress in Biological Sciences. 4(1): 1-32.
59. **Sarikhani MR**, Madani O, Oustan Sh. 2014. Isolation of potassium releasing bacteria from soil and assessment of its ability in potassium nutrition of Tomato. International Mesopotamia Agriculture Congress. Diyarbakir, Turkey (Oral cancelled)



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60. **Sarikhani MR**, Ebrahimi M. 2014. Review on bacterial genetic diversity. National Congress of Soil and Environment. 30-31 Aug. Urmia University. Iran
61. **Sarikhani MR**, Madani O, Mahjuri Y. 2014. Potassium releasing bacteria, new generation of biofertilizers in Iran. National Congress of Soil and Environment. 30-31 Aug. Urmia University. Iran
62. Ebrahimi M, **Sarikhani MR**. 2014. Microbial Biosensors: Tools for Detection and Monitoring of Environmental Pollutants. National Congress of Soil and Environment. 30-31 Aug. Urmia University. Iran
63. Khoshru B, **Sarikhani MR**, Aliasgharzad N. 2014. Investigation of siderophore production by isolates which used in biofertilizers (Microbial Siderophores: Molecules in Iron nutrition and Suppressing of Pathogens). National Congress of Soil and Environment. 30-31 Aug. Urmia University. Iran
64. Ebrahimi M, **Sarikhani MR**. 2014. Microbial Biosensors: Tools for Detection and Monitoring of Environmental Pollutants. Environment and Development Journal. 5(9): 51-62. (In Persian language)
65. **Sarikhani MR**, Ansari S. 2015. Evaluation of Some Qualitative Characteristics of Common Biofertilizers In Iran. **Sustainable** Agriculture (In Persian language). 1-14.
66. Ansari S, **Sarikhani MR**, Najafi N. 2015. Inoculation Effects of Nitrogen and Phosphate Biofertilizers on Corn in Presence of Indigenous Microflora of Soil. Sustainable Agriculture (In Persian language). 24(4): 33-43.
67. Aliasgharzad N, Heydaryan Z, **Sarikhani MR** (2014) Azospirillum inoculation alters nitrate reductase activity and nitrogen uptake in wheat plant under water deficit conditions. International Journal on Advanced Science Engineering Information Technology. 4(4): 94-98.
68. Ansari S, **Sarikhani MR**, Najafi N. 2015. Inoculation Effect of Common Biofertilizers on Growth and Uptake of Some Elements by Bean (*Phaseolus vulgaris* L.) in Presence of Soil Indigenous Microflora. Sustainable Agriculture (In Persian language). 25 (1): 85-98.
69. Khoshru B, **Sarikhani MR**, Aliasgharzad N. 2015. Molecular and Biochemical Identification of the Bacterial Isolates Used in Common Biofertilizers in Iran. Water and Soil Science. **Accepted**
70. **Sarikhani MR**, Moradi Sh. 2015. Review on the Researches of Biofertilizers in Iran. 8<sup>th</sup> Congress on Advances in Agriculture Research. 13-14 May. University of Kurdistan, Sanandaj, Iran. (in Persian language) Oral
71. Madani O, **Sarikhani MR**, Ousatn Sh. 2015. Effect of some bacterial potassium releasing isolates on growth and K uptake by Tomato and identification of efficient isolates. 8<sup>th</sup> Congress on Advances in Agriculture Research. 13-14 May. University of Kurdistan, Sanandaj, Iran. (in Persian language) Oral



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72. Madani O, **Sarikhani MR**, Ousatn Sh. 2015. Impact of microbial incubation on Muscovite and Biotite alteration. 8<sup>th</sup> Congress on Advances in Agriculture Research. 13-14 May. University of Kurdistan, Sanandaj, Iran. (in Persian language)
73. Deilamirad M, **Sarikhani MR**, Oustan Sh. 2015. Effect of Potassium Releasing Pseudomonads on K Uptake and Tomato Growth in High Available-K Soil. 8<sup>th</sup> Congress on Advances in Agriculture Research. 13-14 May. University of Kurdistan, Sanandaj, Iran. (in Persian language)
74. Deilamirad M, **Sarikhani MR**, Oustan Sh. 2015. Effect of potassium releasing Pseudomonads on K uptake and Tomato growth. 8<sup>th</sup> Congress on Advances in Agriculture Research. 13-14 May. University of Kurdistan, Sanandaj, Iran. (in Persian language)
75. **Sarikhani MR**, Chalabianloo N, Alavikia SS. 2015. Distribution of Phosphate Solubilizing Bacteria and Soil Phosphatase Activity in Different Land Uses. **Water and Soil**. (in Persian language) **Accepted**
76. **Sarikhani MR**, Khoshru B, Oustan Sh. 2015. Inoculation effects of some strains of Pseudomonas on potassium release from micas and P solubilization. International Conference on Chemical, Agricultural and Biological Sciences. Sept. 4-5, Istanbul, Turkey.
77. **Sarikhani MR**, Moradi Sh. 2015. Measurement of urease activity of some bacterial species by electrical conductivity and Nessler method. 14<sup>th</sup> Iranian Soil Science congress. 7-9 Sept. University of Rafsanjan, Rafsanjan, Iran.
78. Mahmoodi H, Aliasghar zad N, **Sarikhani MR**, Najafi N. 2015. Effect of plant and culture medium type on root colonization and spore of AMF. 14<sup>th</sup> Iranian Soil Science congress. 7-9 Sept. University of Rafsanjan, Rafsanjan, Iran.
79. Sarikhani MR (2016) Increasing potassium (K) release from K-containing minerals in the presence of insoluble phosphate by bacteria. *Biological Journal of Microorganism*. 4(16): 87-96.
80. Madani O, Sarikhani MR, Oustan Sh (2016) Inoculation effects of potassium releasing bacteria on K nutrition of tomato in sand-muscovite medium and identification of efficient isolates. *Water and Soil Science*. **Accepted**
81. Samaei nematabad F, Aliasghar zad N, Asghari Sh, **Sarikhani MR** (2015) Effect of two Arbuscular mycorrhizal fungi on some hydrolytic properties of an alkaline soil and nutrient uptake by spring barely in greenhouse condition. *Journal of Greenhouse Culture Science and Technology*. 6 (21): 169-178.
82. **Sarikhani MR**, Khoshru B, Oustan Sh (2016) Efficiency of some bacterial strains on potassium release from micas and phosphate solubilization under in vitro conditions. *Geomicrobiology Journal*. 0(0): 1-7



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83. Sheik Alipoor, Bolannazar, Sarikhani, Irani..... Inoculation effect of some *Pseudomonas* isolates on growth and nutrient uptake by tomato under field condition. Accepted
84. Moradi Sh, **Sarikhani MR** (2016) Assay of auxin production by *Azotobacter*, *Pseudomonas* and *Rhizobium* in NF, KingB and YMB semi-specific media. Second national congress on the development of agricultural science and natural resources. 12 May. Gorgan. Iran.
85. Moradi Sh, **Sarikhani MR** (2016) Comparison of phosphate solubility from rock phosphate and tricalcium phosphate sources by some phosphate solubilizing bacteria. Second national congress on the development of agricultural science and natural resources. 12 May. Gorgan. Iran.
86. **Sarikhani MR**, Ebrahimi M, Oustan Sh. Aliasghar zad N, Madani O. 2016. Isolation of potassium releasing bacteria from soil and assessment of its ability in potassium nutrition of Tomato. 2<sup>nd</sup> ICIEM, International Conference on Integrated Environmental Management for Sustainable Development. Oct. 27-30, Sosse, Tunisia. (Oral presentation)
87. Khoshru B, **Sarikhani MR**, Aliasghar zad N. Assessment the important PGPR features of isolates used in biofertilizers Barvar2, Biosuperphosphate, Supernitroplus and Nitroxin. Applied Soil Researches. Accepted
88. Deilamirad M, **Sarikhani MR**, Oustan Sh. Inoculation Effect of *Pseudomonads* isolates and mineral potassium levels on nutrient uptake and Tomato growth. Accepted
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