Curriculum Vitae

Name & Surname: Naeimeh Enayatizamir

Date of Birth: 06-07-1981

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Soil Science and Engineering Department, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran

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PROFESSIONAL PROFILE:

Associate Professor of Biology and Biotechnology in Shahid Chamran University (SCU) of Ahvaz.

EDUCATION BACKGROUND:

Ph.D.: Soil Biology and Biotechnology (2004-2009), Department of Soil Science, Agriculture Faculty, University of Tehran, Iran

Thesis Title:

"Degradation of some azo dyes by white rot fungus and expression of genes affecting on deterioration in soil."

M.Sc.: Soil Science (2002-2004), Department of Soil Science, Agriculture Faculty, University of Tehran, Iran.

Dissertation Title:

"Spatial variability of lead concentration in soils of Agriculture Faculty of University of Tehran."

B.Sc.: Soil Science (1998-2002), Bu-Ali Sina University, Hamedan, Iran.

TEACHING AND TRAINING EXPERIENCE:

She has experience of teaching various courses in B.Sc. / M.Sc. / Ph.D. level including:

- Soil Science, Soil Biology (B.Sc. Students, graduate course)
- Plant Nutrition, Soil Biology (B.Sc. Students, graduate course)
- Soil Microbiology, Plant- Microbe Interaction (M.Sc. Students, graduate course)
- Fertilizer production, Bioremediation (M.Sc. Students, graduate course)
- Soil Enzymes, Microbial Biotechnology (Ph.D. Students, graduate course)

HONOURS AND AWARDS:

Recognized as Research Productivity Award (RPA) by Deputy of Research and Technology of Shahid Chamran University of Ahvaz, Iran in the year 2020.

INTERESTS AND RESEACH FIELDS:

Dr. Enayatizamir's area of research interests include:

- Biodegradation of recalcitrant compounds
- Production of Biofertilizer
- Plant Growth promoting Rhizobacteria
- Production of compost
- Production of ligninolytic enzymes
- Biological control of windy erosion
- Immobilisation of microorganism and enzymes
- Slow release fertilizers
- Bio-cementation

RESEARCH ACTIVITIES:

PUBLICATIONS:

1. Bakhtiyarifar, M., Enayatizamir, N. and Khanlou, K.M., 2021. Biochemical and molecular investigation of non-rhizobial endophytic bacteria as potential biofertilisers. *Archives of Microbiology*, 203(2), pp.513-521.
2. Mohammadipour, Z., Enayatizamir, N., Ghezelbash, G. and Moezzi, A., 2021. Bacterial Diversity and Chemical Properties of Wheat Straw-Based Compost Leachate and Screening of Cellulase Producing Bacteria. *Waste and Biomass Valorization*, 12(3), pp.1293-1302.
3. Enayatizamir, N., Liu, J., Wang, L., Lin, X. and Fu, P., 2020. Coupling Laccase production from Trametes pubescence with heavy metal removal for Economic Waste Water Treatment. *Journal of Water Process Engineering*, 37, p.101357.

4. Pourjasem, L., Landi, A., Enayatizamir, N. and Hojati, S., 2020. The Release of Some Elements from Vermiculite during the Short Periods of Incubation by Heterotrophic Bacteria. *Eurasian Soil Science*, 53(2), pp.223-229.
5. Khajavi-Shojaei, S., Moezzi, A., Enayatizamir, N. and Mokhtari, B., 2020. Biodegradation and phytotoxicity assessment of phenanthrene by biosurfactant-producing Bacillus pumilus 1529 bacteria. *Chemistry and Ecology*, 36(5), pp.396-409.
6. Dehsheikh, A.B., Sourestani, M.M., Zolfaghari, M. and Enayatizamir, N., 2020. Changes in soil microbial activity, essential oil quantity, and quality of Thai basil as response to biofertilizers and humic acid. *Journal of Cleaner Production*, 256, p.120439.
7. Khajavi-Shojaei, S., Moezzi, A., Enayatizamir, N. and Mokhtari, B., 2020. Biodegradation and phytotoxicity assessment of phenanthrene by biosurfactant-producing Bacillus pumilus 1529 bacteria. *Chemistry and Ecology*, 36(5), pp.396-409.
8. Karimi, A., Moezzi, A., Chorom, M. and Enayatizamir, N., 2019. Chemical fractions and availability of Zn in a calcareous soil in response to biochar amendments. *Journal of Soil Science and Plant Nutrition*, 19(4), pp.851-864.
9. Karimi, A., Moezzi, A., Chorom, M. and Enayatizamir, N., 2019. Application of biochar changed the status of nutrients and biological activity in a calcareous soil. *Journal of Soil Science and Plant Nutrition*, pp.1-10.
10. Lamizadeh, E., N. Enayatizamir and H. Motamedi. 2019. Difference in Some Biological Properties of Saline and Non-Saline Soil under Sugarcane Cultivation. *Eurasian Soil Science*, 52 (6): 690–695.
11. Safirzadeh, S., Chorom, M. and Enayatizamir, N., 2019. Effect of phosphate solubilising bacteria (Enterobacter cloacae) on phosphorus uptake efficiency in sugarcane (Saccharum officinarum L.). *Soil Research*, 57(4), pp.333-341.
12. Shavalikohshori, O., Zalaghi, R., Sorkheh, K. and Enaytizamir, N., 2019. The expression of proline production/degradation genes under salinity and cadmium stresses in Triticum aestivum inoculated with Pseudomonas sp. *International Journal of Environmental Science and Technology*, pp.1-10.
13. Ghadam Khani, A., Enayatizamir, N. and Norouzi Masir, M., 2019. Impact of plant growth promoting rhizobacteria on different forms of soil potassium under wheat cultivation. *Letters in applied microbiology*, 68(6), pp.514-521.
14. Pirhadi, M., N. Enayatizamir., H. Motamedi., K. Sorkheh. 2018. Impact of soil salinity on diversity and community of Sugarcane endophytic plant growth promoting bacteria (Saccharum officinarum L.var. CP48). *Applied Ecology and Environmental Research*. 16(1): 725-739.
15. Tahmasebi Shamansouri, M., Enayatizamir, N., Chorom, M. and Rahnama Ghahfarokhi, A., 2018. Impact of biological and chemical treatments on the improvement of salt tolerance in wheat. *Journal of Plant Physiology & Breeding*, 8(2), pp.121-134.
16. Pirhadi, M., Enayatizamir, N., Motamedi, H. and Sorkheh, K., 2016. Screening of salt tolerant sugarcane endophytic bacteria with potassium and zinc for their solubilizing and antifungal activity. *Biosci Biotech Res Comm*, 9(3), pp.530-538.
17. Farhadi, A., Enayatizamir, N., Firouzi, A.F. and Howeizeh, H., 2016. Effect of arbuscular mycorrhizae fungi inoculation on blue panic grass (Panicum antidotale) growth under water-deficit condition. *Crop Research*, 51(1to3), pp.78-85.

18. Lamizadeh, E., Enayatizamir, N. and Motamedi, H., 2016. Isolation and identification of plant growth-promoting rhizobacteria (PGPR) from the rhizosphere of sugarcane in saline and non-saline soil. *International Journal of Current Microbiology and Applied Sciences*, 5(10), pp.1072-83.
19. Bostani. H. R., M. Chorom., A. Moezzi., N. A, Karimian., N. Enayatizami. 2016. Investigation of zinc release kinetics in an agricultural calcareous soil as influenced by applied organic materials and salinity using mathematical models. *Jordan Journal of Agricultural Science*.12 (3): 709-721.
20. Sheikhi, F., Ardakani, M.R., Enayatizamir, N. and Rodriguez-Couto, S., 2012. The determination of assay for laccase of Bacillus subtilis WPI with two classes of chemical compounds as substrates. *Indian journal of microbiology*, 52(4), pp.701-707.
21. Enayatizamir, N., Tabandeh, F., Rodríguez-Couto, S., Yakhchali, B., Alikhani, H.A. and Mohammadi, L., 2011. Biodegradation pathway and detoxification of the diazo dye Reactive Black 5 by Phanerochaete chrysosporium. *Bioresource Technology*, 102(22), pp.10359-10362.
22. Enayatzamir, K., Alikhani, H.A., Yakhchali, B., Tabandeh, F. and Rodríguez-Couto, S., 2010. Decolouration of azo dyes by Phanerochaete chrysosporium immobilised into alginate beads. *Environmental Science and Pollution Research*, 17(1), pp.145-153.
23. Enayatzamir, K., Tabandeh, F., Yakhchali, B., Alikhani, H.A. and Couto, S.R., 2009. Assessment of the joint effect of laccase and cellobiose dehydrogenase on the decolouration of different synthetic dyes. *Journal of hazardous materials*, 169(1-3), pp.176-181.
24. Enayatzamir, K., Alikhani, H.A. and Couto, S.R., 2009. Simultaneous production of laccase and decolouration of the diazo dye Reactive Black 5 in a fixed-bed bioreactor. *Journal of Hazardous Materials*, 164(1), pp.296-300.
25. Enayatzamir, K.H , M. Amini, G. H. Savaghebi , K.C. Abbaspour.2008. Quantifying the effect of traffic on lead accumulation in soils using geostatistical analyses. *Caspian Journal of Environmental Science*. 6:11-17.

SOME PUBLICATION in IRANIAN JOURNALS:

1. Jafari. S., M. Chorom., N. Enayatizamir., H. Motamedi. 2013. Evaluating the Effects of Bacillus Subtilis and Corynebacterium Glutamicum on soil microbial indexes in different levels of salinity. *Iranian Journal of Agricultural Engeenring*.35: 55-70.
2. Amiri Farsani. F., M. Chorom., N. Enayatizamir. 2013. Effect of biofertilizer and chemical fertilizer on wheat yield under two soil types in experimental greenhouse. *Iranian Journal of Water and Soil*. 27(2): 441-451.
3. Sheikhi, F., M. Roayaei Ardakani., N. Enayatzamir., Gh. R, Ghezelbash. 2014. Isolation and identification of two laccase producer fungi from bagasse and sugarcane rhizosphere. *Iranian Journal of Cellular and Molecular Research*. 27(3):389-398.
4. Alizadeh. M., M. CHorom., N. Enayatizamir. 2014. Effect of plant residues on soil microbial parameters and some growth characteristics of barley at different levels of soil salinity. *Iranian Journal of Agricultural Engeenring*. 38: 13-28.
5. Arzaghi. F., A. Farrokhian Firouzi., N. Enayatizamir., B. Khalil Moghaddam. 2015. The effect of Thrichoderma harzianum on wind erosion control of Azadegan Plain sandy soil at laboratory and wind tunnel. *Iranian Journal of Soil Management and Sustainable Production*.5 (2):239-251.

6. Varnaseri, M., A, Moezzi, N. Enayatizamir. 2015. Comparing Biological and Chemical methods in refining of crude oil contaminated soil. *Iranian Journal of Agricultural Engeenring*. 38:111-124.
7. Nasrabadi, F., N. Enayatizamir., M. Mehrabi-Koushki., M. Shomeili. 2016. Screening of salinity and temperature tolerant Trichoderma isolates, and the effect of superior isolate on corn (Zea mays) growth under in vitro conditions. *Iranian Journal of Plant Protection (Scientific Journal of Agriculture)*. 39(2):1-5.
8. Khajavi Shojaei. S., A. Moezzi., N. Enayatizamir. 2016. Investigation of biosurfactant production by Bacillus pumilus 1529 and Bacillus subtilis WPI. *Biological Journal of Microorganism*.17:1-9.
9. Bostani. H. R., M. Chorom., A, Moezzi., N. Enayatizamir., N. A. Karimian. 2016. Effect of plant growth promoting rhizobacteria (PGPR) and Arbuscular mycorrhizae fungi (AMF) application on distribution of zinc chemical forms in a calcareous soil with different levels of salinity. *Iranian Journal of Soil Management and Sustainable Production*.69 (1):1-24.
10. Abbasi, S., M. Chorom., N. Enayatizamir., H. Motamedi. 2016. Isolation and identification of cadmium and lead resistant bacteria and their bacterial removal from wastewater. *Iranian Journal of Water and Wastewater*.27 (6), 59-68.
11. Khaji, P., Enayatizamir, N. and Moezzi, A., 2017. Sugarcane bagasse degradation by Lignocellulosic degrading fungi. *Journal of Agricultural Engineering Soil Science* and Agricultural Mechanization, (Scientific Journal of Agriculture), 39(2), pp.101-116.

CONFERENCE PRESENTATIONS:

1. Karimi, A., Moezzi, A., Chorom, M. and Enayatizamir, N., 2019. Effect of sugarcane bagasse derived biochar on some chemical properties of a calcareous soil. *3rd international conference of agricultural sciences*, Basreh University.
2. Bahadory, A., Landi, A. and Enayatizamir, N., 2019. The Effect of Different Organic Amendments on Some Physical and Biological Properties of Soil. *3rd international conference of agricultural sciences*, Basreh University.

RESEARCH PROJECTS:

1. Isolation and identification of biosurfactant-producing bacteria from oil contaminated soil, 2016.
2. Potassium solubilizing bacteria ability to increase wheat growth and potassium uptake under in vitro condition, 2017.
3. Improvement of soil physical properties and increasing of soil resistance to wind erosion using plant growth promoting bacteria and organic modifier, 2021.

RESEARCH EXPERIENCE:

- Visiting Research Scientist at the State Key Laboratories of Marine Resource Utilization in South China Sea, University of Hainan, Haikou, China in the year 2019.

- Visiting Research Scientist at the Department of Chemical Engineering; Universitat Roviria i Virgili, Tarragona, Spain.

LANGUAGES:

Persian (native)

English (medium)