



PERSONAL INFORMATION:

Full Name: Soheila Ebrahimi

Nationality: Iranian

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EDUCATION:

Ph.D.: Soil Physics, Tarbiat Modares University, Tehran, (2005-2009)

Title of Thesis: Behavior and Spatial-Temporal Variability of Hydrocarbon Contaminants and Chemical Solvents in Soil Porous Media.

M. Sc.: Soil Science, Tarbiat Modarres University, Tehran, (2002-2005).

Title of Thesis: Cyclic Swelling of Superabsorbent Polymers in Soil Porous Media.

B. Sc.: Soil Science, Ferdowsi University, Mashhad, (1999- 2002).

Senior Project: The effect of soil organic matter on soil properties

RESEARCH INTEREST:

*bioremediation of Hydrocarbon pollution, modeling and fate

*Pollutants movement behaviour in saturated and unsaturated zone in soils

*Mass transfer models in soil porous media

*Interaction between nano particles and soil properties

PUBLICATION:

Book

Urban Ecology, Water Quality and Climate Change, Book Chapter: Assessment of Water Quality Using Multivariate Statistical Analysis in the Gharaso River, Northern Iran. Yones Khaledian, Soheila Ebrahimi, Usha Natesan, Nabee Basatnia, Behroz Behtari Nejad, Hamed Bagmohammadi and Mojtaba Zeraatpisheh. 2018. March 2018, Springer International Publishing. Pp:227-253 (total page:440)

The Soils of Iran, New Achievements in Perception, Management and Use. 2005. Ministry of Jihad-e-Agriculture, Agricultural Research and Education Organization and Soil and Water Research Institute, PP. 481, Tehran, Iran.

Effect of Organic Matter on Physico-Chemical Properties of Agricultural Soil. 2004. Innovative Approaches to Balanced Nutrition of Wheat. A Compilation of Papers. Ministry of Jihad-e-Agriculture Wheat Department, PP. 837, Tehran, Iran.

Journal Papers and Technical publication

1. Rashidi, H., **Ebrahimi, S.** (2023). Determine the Bio-availability of lead and cadmium Treated With compost Mixed With Wild Radish (Case study: Compost produced by Aq Qala compost factory), 8(3), 6943-6951.
2. Sadeghi, S., Kiani, F., Asadi, M.E., Ebrahimi, S., Kamkar, B. (2023). Evaluation of short-term conservation tillage systems by enzyme activity assessment. *Ecopersia* 11(1), 1-9.
3. Mesri, S., F, Kiani., **Ebrahimi, S.**, Azarnesh, H., Pourmalekshah, A. (2023). The effect of compost and vermicompost on some soil characteristics and runoff and sediment changes. *Journal of Watershed Management Research*.
4. Karimpoor, R., **Ebrahimi, S.**, Malekzadeh, E., & Hassanpour-bourkheili, S. (2022). Bioremediation of total petroleum hydrocarbons in oil sludge-polluted soil using active carbon remediator. *International Journal of Environmental Science and Technology*, 1-12.
5. Doustaky, M., **Ebrahimi, S.**, Movahedi Naeni, A., Olamaee, M. (2022). Monitoring TPH biodegradation in soil around Ray oil refinery by natural attenuation, biostimulation and bioaugmentation treatments. *Journal of Soil Science Society of Iran*, 1(1), 57-72, Isfahan University of Technology.
6. Rashidi, H., **Ebrahimi, S.** (2022). Necessity of monitoring important parameters in treatability and stability of biological treatment plants in different seasons of the year (Case study: Aq Qala's compost plant in Golestan province). *Journal of Environmental Science Studies*, 7(3), 5441-5455.
7. Jawed Pazhmaan, A., **Ebrahimi, S.**, Kiani, F., & Rashidi, H. (2021). Pollution assessment, spatial distribution and exposure of Cd and Pb in surface soils of abandoned landfill site in Gorgan, north of Iran. *Environmental Resources Research*, 9(1), 69-78.

8. Dravish Eivari, Z., **Ebrahimi, S.**, Movahedi Naeini, A., Zakeri Nia, M. (2021). Changing the Atterberg's limits and water retention characteristics of a loess soil containing Montmorillonite nanoclay. *Journal of Water and Soil Resources Conservation*, 11(1), 1-12. Science and Research Branch, Islamic Azad University.
9. Hashemi Tazangi, M., **Ebrahimi, S.**, Ghorbani Nasrabadi, R., Movaheddi Naeeni, S.A. (2021). Assessment of TPH attenuation during remediation of gasoil-contaminated Soil using active carbon modifier in pilot study. *Journal of Water and Soil Conservation*, 28(1), 183-200, Gorgan University Of Agricultural Sciences.
10. **Ebrahimi, S.**, Kiani, F., Rashidi, H. (2021). Pollution Assessment, Spatial Distribution And Exposure Of Cd And Pb In Surface Soils Of Abandoned Landfill Site In Gorgan, North Of Iran. *Environmental resources research*, 9(1), 69-78.
11. Salimi, M., **Ebrahimi, S.**, Ghorbani Nasrabadi, R. (2020). Optimizing the survival of non-indigenous bacteria effectively degrading crude oil in different carriers. *Journal of environmental science and technology*.
12. Tazangi, M. H., **Ebrahimi, S.**, Nasrabadi, R. G., & Naeeni, S. A. M. (2020). Kinetic monitoring of bioremediators for biodegradation of gasoil-polluted soil. *Water, Air, & Soil Pollution*, 231(8), 1-13.
13. Taghdisi, R., **Ebrahimi, S.**, & Zakerinia, M. (2020). Behavior of Water through Soil Columns Containing Montmorillonite Clay Layers. *Journal of Environmental Science and Technology*, 22(3), 110-117.
14. Sadeghi, S., Kiani, F., Kamkar, B., **Ebrahimi, S.** (2019). Effect of different tillage systems on the biological and enzymatic activity of soil. *Journal of Soil Management and Sustainable Production*, 9(2), 151-164, Gorgan University Of Agricultural Sciences.
15. Akhavan, S., **Ebrahimi, S.**, Navabian, S., Shabanpour, M., Movahedi, A. (2019). Investigating the adsorption and filtration indices of bacterial coli transport in preferential flow system. *Agricultural Engineering*, 42(1), 1-12.
16. Kaboli, A., **Ebrahimi, S.**, Zakerinia, M., Davari, M. (2019). Pilot study on vertical deep emission parameters EC, N and Ni of Agh-ghala landfill leachate in soil columns with different texture. *Journal of Water and Soil Conservation*, 26(1), 255-260, Gorgan University Of Agricultural Sciences.

17. Akhavan, S., **Ebrahimi, S.**, Mojtahedi, A., Navabian, M., Shabanpour, M., & Naeini, A. M. (2019). Simulation of columnar transfer and retention of Escherichia coli bio-pollutant index in a saline saturated soil. *International Journal of Engineering and Technology*, 10(4), 1067-1075.
18. Zamani, S., Ghasemnezhad, A., **Ebrahimi, S.**, & Fathi, M. (2018). Evaluation the growth potential of artichoke (*Synara scolymus* L.) and Milk thistle (*Sylibum marianum* L.) in petroleum-contaminated Soil. *Journal of Chemical Health Risks*, 8(1).
19. Noorzadeh Roshan, M., F, Kiani, R, Ghorbani Nasrabadi., **Ebrahimi, S.**, Nadimi, A. (2018). Effect of Some Conservation Practices on Soil Biological Quality Indices in The Chehelchai Region, Golestan province. *Agricultural Engineering*, 41(1), 17-28.
20. Akhavan, S., **Ebrahimi, S.**, Navabian, M., Shabanpour, M., Mojtahedi, A., & Movahedi Naeini, A. (2018). Significance of physicochemical factors in the transmission of Escherichia coli and chloride. *Environ. health eng. manag*, 5(2), 115-122.
21. Heshmati, Gh., **Ebrahimi, S.** (2018). Evaluation of Petroleum-Degrading Bacteria in phytoremediation of soil contaminated with petroleum (Case study: Soils surrounding Tehran Oil Refinery). *Journal of Plant Ecosystem Conservation*, 5(11), 131-134.
22. Khaledian, Y., **Ebrahimi, Y.**, Natesan, U., Basatnia, N., Behtari Nejad, B., Bagmohammadi, H., Zeraatpisheh, M. (2018). Assessment of Water Quality Using Multivariate Statistical Analysis in the Gharaso River, Northern Iran. *Urban ecology, water quality and climate change*, 227-253.
23. **Ebrahimi, S.**, Mazinianian, T., Taghavi, L. (2018). Investigation On Nano Montmorillonite clay particles in pollution reduction of compost Leachate through the Silt loam soil (Case study: Aq qala compost factory). *Journal of Environmental Science and Technology*, 1-11.
24. Khaledian, Y., Kiani, K., **Ebrahimi, S.**, Brevik, B.C., Aitkenhead-Peterson, J. (2017). Assessment and Monitoring of Soil Degradation during Land Use Change Using Multivariate Analysis. *Journal of Land Degradation and Development*, 28(1), 128-141.
25. Zakerinia, M., Fakouri Dekahi, B., **Ebrahimi, S.** (2016). Influence of Different Salinities of Groundwater on Salt Rising and Evaporation of the Soil Surface. *Irrigation Sciences and Engineering*, 39(1), 83-91, Shahid Chamran University of Ahvaz.

26. Fazlali, S., **Ebrahimi, S.**, Zakerinia, M., & Movahedi Naeini, S. A. (2015). Monitoring of the Transfer of Kerosene and Water through the Light Soil Contains Montmorillonite Nanoclay. *Journal of Soil and Water Resources Conservation*, 5(1), 55-66.
27. Fallah, M., Shabanpor, M. & **Ebrahimi, S.** (2015). Evaluation of petroleum impacts on some properties of loamy sand soil with the main focus on hydraulic properties. *Environ Earth Sci* 74, 4751–4762.
28. Fallah, M., Shabanpor, M., Zakerinia, M., & **Ebrahimi, S.** (2015). Risk assessment of gas oil and kerosene contamination on some properties of silty clay soil. *Environmental monitoring and assessment*, 187(7), 1-13.
29. Sadeghi, S., **Ebrahimi, S.**, & Zakerinia, M. (2014). The Study of the Parametric Changes in Water Potential Points by Using Waste Manuciple Compost in Three Kinds of Soils. *Int. J. Basic Sci. Appl. Res*, 3, 254-260.
30. Khaledian, Y., Kiani, F., Weindorf, D.C., **Ebrahimi, S.** (2013). Relationship of potentially labile soil organic carbon with soil quality indicators in deforested areas of Iran. *Soil Horizons* ,54(4), The American Society of Agronomy, Inc.
31. Jafari, M., **Ebrahimi, S.**, & Movahed Naeini, S. A. (2013). Simultaneous effect of municipal solid waste compost and some fertilizers on biodegradation of oil-contaminated soils. *Journal of Water and Soil Resources Conservation*, 2(3), 43-56.
32. Zeraatpish, M., Khaledian, Y., **Ebrahimi, S.**, Sheikhpouri, H., & Behtarinejad, B. (2013). The effects of deforestation on soil erosion, sediment and some water quality indices. 1st International conference on environmental crisis and its solutions, Islamic Azad University.
33. Khosravi Nodeh, M., Abbaspour, A., **Ebrahimi, S.**, Asghari, H, r., 2013. Phytoremediation of a fuel oil-contaminated soil using alfalfa and grass with pseudomonas putida bacterium. *Journal of Water and Soil Conservation Studies*, Vol 20, Num 4, pp. 219- 234.
34. Fallah, M., **S. Ebrahimi**, and M. Shabanpour. 2013. Hydrocarbon pollution emission in the pilot and pulse condition in saturated porous media of soil. *Journal of Water and Soil Conservation*. 20(3): 227-240.
35. Doustaky M, **Ebrahimi S**, Movahedi Naeini SAR, Olamaei M. (2013). Optimization of petroleum

hydrocarbon biodegradation by indigenous and non-indigenous microorganisms. Journal of Water and Soil Conservation, 20(4);165-181.

36. Khaledian, Y., Kiani, F., **Ebrahimi, S.** (2012). "The effect of land use change on soil and water quality in northern Iran." Journal of Mountain Science 9 (6) ,798-816.
37. Dostaki, **M., Ebrahimi, S.**, Movahedi, A., Olamaei, M. (2012). Determination of the Optimal Conditions for Bioremediation of Soil Total Pollutants Hydrocarbon. Human and environment, 10(1), 57-65.
38. Khaledian, Y., **S. Ebrahimi.**, H. Bag Mohamadi. (2012). Impact of Urbanization and Land Use Changes on Water Geochemical Properties. A Case Study: Gharaso River in Golestan Province, North of Iran. Global Science Books. Terrestrial and Aquatic Environmental Toxicology 6 (2), 77-83.
39. **S. Ebrahimi**, Sh, Fazlali, Z. Mahmoudi and Y. Khalidian. (2012). Using geostatistical analyst in environmental assessment and monitoring of large-scale, Sonboleh Scientific Technical Environmental Agricultural Magazine, 25(2), 219, 40-41.
40. Alikani, S. S., Shorafa, M., Tavassoli, A. and **Ebrahimi, S. S.** (2011) The effect of plants' growth at different densities on soil petroleum hydrocarbons remediation. Journal of Water and Soil 25(5): 961-970 (in Persian).
41. Khaledian, Y., Kiani, F., **Ebrahimi, S.** (2011). Potential impacts of urbanization on active soil organic carbon contents along natural forest of Ziarat Watershed, Golestan Province. In ASA, CSSA, and SSSA International Annual Meetings (pp. 16-19).
42. **Ebrahimi, S.**, Shayegan, J., Malakouti, M., and Akbari, A. 2011. Environmental Evaluation and Assessment of Some Important Factors of Oil Contamination in Soil around Sarkhoun Gas Refinery of Bandar Abbas. Journal of Environmental Studies, 37 (57), 9-26 (In Persian).
43. **Ebrahimi, S.**, Shayegan, J., Malakouti, M., & Akbari, A. (2011) Availability and potential value of hydrocarbon contamination in soil and groundwater in surrounding area around Iran antibiotic factory, sari, mazandaran province. Electronic Journal of Soil Management and Sustainable Production, 1: 63– 80.

44. Khaledian, Y., Kiani, F., **Ebrahimi, S.**, Movahedi, A. (2011). Impact of forest degradation, changing land use and building villas on some indicators of soil quality in the watershed, Golestan province. JOURNAL OF WATER AND SOIL CONSERVATION (JOURNAL OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES), 18(3), 167-183.
45. **Ebrahimi, S.**, Malakouti, M.J., Shaygan, J., Bybordi, M., Ghodusi, J. (2009). Spatial-temporal variability of hydrocarbon pollutants and chemical solvents behavior in soil porous media. Phd Thesis. Tarbiat Modares University, p 150.
46. **Ebrahimi, S.**, J. Shaygan, M.J. Malakouti, M. Baybourdi, J. Ghodousi, A. Akbari and A. Atashjame. (2009). Hydrocarbon pollution emission in soil around Sarkhoun refinery. J. of Water and Soil Conservation, Vol. 16(4), PP. 101-124, Gorgan, Iran.
47. S. Alikhani, M. Shorafa- A. Tavassoli and **S. Ebrahimi**. (2009). Comparison of Some Quantities of Barley Plant Cultivated in Petroleum Hydrocarbon Contaminated Soil with Clean Soil. J. of Agronomy and Plant Breeding, Karaj, Iran.
48. **Ebrahimi, S.**, Homae, M., and Vasheghani Farahani, E. 2008. Cyclic Swelling of superabsorbent polymers in soil porous media. J. Agric. Engin. Res. 8(4): 1-18.
49. **S. Ebrahimi** , H, Bahrami and M.J. Malakouti. (2005). The Role of Organic Matter on The Improvement of Soil Fertility. Technical publication, No. 401. Soil and Water Research Institute, High Council for Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.
50. **S. Ebrahimi** , H, Bahrami and M.J. Malakouti. (2005). The Role of Organic Matter on The Improvement of Soil C/N Ratio. Technical publication, No. 448. Soil and Water Research Institute, High Council for Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.
51. **S. Ebrahimi** , H, Bahrami, M. Homae and M.J. Malakouti. (2005). The Role of Organic Matter in Reducing The Erodibility of Agricultural Soils. Technical publication, No. 404. Soil and Water Research Institute, High Council for Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.
52. **S. Ebrahimi** and M. J. Malakouti. (2004) .Investigation of Effect of Organic Matter on Properties of Agricultural Soil in Iran. 2004. Sonboleh Scientific Technical Environmental Agricultural Magazine, PP. 40-41, Tehran, Iran.
53. **S. Ebrahimi** and M. J. Malakouti. (2003). Effect of Organic Matter on Physico-Chemical Properties of Agricultural Soil, necessity of the Preventions of Burning Farm. 2003. Technical publication, No. 284. Soil and Water Research Institute, High Council for

Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.

Paper presented in congresses

1. Sarlak, R., **Ebrahimi, S.**, Malekzadeh, E. 2023. Change of plasticity index in loess containing microplastics. The first national conference of new findings in agricultural sciences.
2. Sarlak, R., **Ebrahimi, S.**, Malekzadeh, E. 2023. The effect of microplastics on Atterberg in a sandy loam soil. The first national conference of new findings in agricultural sciences.
3. Rashidi, H., **Ebrahimi, S.**, Farshchi, P. 2014. Changes of EC and TSS at Different Stages of Biological Wastewater Treatment with the propose of filterable Latex(a case study in Western composting Factory of Golestan Province), International E-Conference on Green Economics, 12 may 2014. Secretary Code: G/1/3007.
4. Khaledian, Y., Kiani, F., **Ebrahimi, S.** 2014. Assessment of soil degradation in Ziarat watershed, northern Iran using multivariate analysis. ISLCE, GUASNR, 15-19 October 2014.
5. Khormali, F., Hashemi Rakavandi, M., Dordipour, E., **Ebrahimi, S.** 2014. Weathering of Palygorskite in the Rhizosphere of Rapeseed. The 20th World Congress of Soil Science, June 8~13, 2014 Jeju, Korea.
6. Khaledian, Y., **Ebrahimi, S.**, Sheikhpouri, H., Basatnia, N., Ghafarpour, A. 2013. The impact of spatial and temporal variation in water quality by multivariate statistical analysis in east-southern Caspian Sea. 1st International Conference on Environmental Crisis and its solutions, 13-14 Feb 2013.
7. Zeratisheh, M., Khaledian, Y., **Ebrahimi, S.**, Sheikhpouri, H., behtarinejad, B. 2013. The effect of deforestation on soil erosion, sediment and some water quality indicators, 1st International Conference on Environmental Crisis and its solutions, 13-14 Feb 2013.
8. Khaledian, Y and **Ebrahimi, S.** (2012). Multivariate statistical analysis of surface water quality based on variations in northern Iran. Banff Alberta, Canadian Water Resources association, Canada, Jun. 5-8.

9. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2012). Impact of Deforestation and Urbanization Growth on Water Quality in Truism Area of Golestan province, Ziarat Watershed, Northeast of Iran. International Conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012. Assam, India, February. 24 -26.
10. Khaledian, Y, **Ebrahimi, S,** Kiani, F and. Behtari Nejad, B. (2012). Effects of Landuse Change on Water Geochemical Properties Center of Gorgan Roud Watershed in the Golestan Province, Northern of Iran. International Conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012. Assam, India, February. 24 -26.
11. Khaledian, Y, **Ebrahimi, S,** Kiani, F, Behtari Nejad, B and Amini, A. (2012). mpact of Urbanization on Water Quality in Gharaso River in the Golestan Province, Southeast of Caspian Sea. International Conference on Environmentally Sustainable Urban Ecosystems, ENSURE 2012. Assam, India, February. 24 -26.
12. Doustaky M, **Ebrahimi, S,** Movahedi Naeini S A and Olamaee M. (2012). Determination of Optimal Conditions of Oil-eating Bacteria Activity on The Basis of Microbial Respiration Index. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.
13. M. Fallah, **S. Ebrahimi,** M. Doustaky. (2012). Effect of Gasoline on microbial respiration on silty clay and loamy sand soil. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.
14. M. Fallah, **S. Ebrahimi,** M. Shabanpor. (2012). Effect of kerosene on two type soil respiration. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.
15. M. Fallah, **S. Ebrahimi,** M. Shabanpor. (2012). Comparison of Gasoline and Kerosene Transport in the Subsurface, a Laboratory Soil Column Study. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.
16. S. Pirgholizadeha, S. A. Movahedi Naeinia, **S. Ebrahimi** and A. Hezarjaribi. (2012). Adsorption process of diesel on unsaturated condition affected by texture and soil moisture. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.

17. S. Pirgholizadeha, S. A. Reza Movahedi Naeinia, **S. Ebrahimi** and A. Hezarjaribi (2012). Adsorption of diesel pollutant in different unsaturated soils. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management", Çeşme-İzmir, TURKEY, May. 15-17.
18. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2012). Effect of soil texture and land use interactions on organic carbon amounts in soils in north of Iran. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
19. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2012). Changes in soil carbon amounts under the impact of rapid growth urbanization in northern Iran. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
20. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2012). Impact of rapid urbanization on soil degradation in Ziarat watershed Golestan Province, north of Iran. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
21. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2012). The long term effects of the soil management in a tourism area on carbon content and microbial activity under a humid climate, north of Iran. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
22. Doustaky M, **Ebrahimi S**, Movahedi Naeini S A and Olamaee M. (2012). The effect of chemical fertilizers, animal manure and sawdust on reduce oil pollution by native microorganism. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
23. Doustaky M, **Ebrahimi S**, Movahedi Naeini S A and Olamaee M. (2012). Comparative analysis of total petroleum hydrocarbons by indigenous and non-indigenous microorganisms in soil. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
24. Doustaky M, **Ebrahimi S**, Movahedi Naeini S A and Olamaee M. (2012). Evaluation of the microbial population in different conditions of oil pollution refinement. 4th International Congress Eurosoil 2012. Fiera del Levante, Bari, Italy, July. 2-6.
25. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2011). Impact of Urbanization on Some Soil Characteristic in Ziarat Watershed Golestan Province. ASA.CSSA.SSSA International Annual Meetings: Fundamental for Life: Soil, Crop and Environmental Sciences, San Antonio, Texas, USA, Oct. 16-19.

26. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2011). Potential Impact of Urbanization on Active Soil Organic Carbon Contents along Natural Forest of Ziarat Watershed Golestan Province. ASA.CSSA.SSSA International Annual Meetings: Fundamental for Life: Soil, Crop and Environmental Sciences, San Antonio, Texas, USA, Oct.16-19.
27. M. Dostaky, **S. Ebrahimi**, S. A. Movahedi Naeini and M. Olamaei.(2011). Determination of the Optimal Conditions for Bioremediation of Soil Total Pollutants Hydrocarbon. 17th National Conference of the Iranian Society of Environmentalists (IRSEN), Tehran, Iran.
28. M. Khosravi Node, A. Abbaspour, **S. Ebrahimi.**(2011). Reclamation of a petroleum-contaminated soil by alfalfa and pseudomonas. The 1st National Conference on Phytoremediation, Kerman. Iran.
29. S. Pirgholizadeha, S. A. Movahedi Naeinia, **S. Ebrahimi** and A. Hezarjaribi.(2011). Adsorption process of gasoline on unsaturated condition affected by texture and soil moisture The 6th National Conference on New Ideas in Agriculture, Isfahan, Iran.
30. M. Fallah, **S. Ebrahimi** and M. Shabanpour. (2011). Investigation of saturated light soil behavior on gasoline and kerosene pollutant transportation. National Conference on Environmental Science and Sustainable development, 29 Dec 2011, Malayer, Iran..
31. **S. Ebrahimi**, J. Shayegan, M .J. Malakouti. (2011). Modeling of hydrocarbon pollution distribution in soil around Sarkhoun refinery. 12th Iranian Congress on Soil Sciences, Tabriz, Iran.
32. **S. Ebrahimi**, J. Shayegan, M .J. Malakouti. (2011). Depth distribution of hydrocarbon contamination in soil around Sarkhoun refinery. 12th Iranian Congress on Soil Sciences, Tabriz, Iran.
33. Khaledian, Y., Ebrahimi, S., Basatnia, N., Zeratpisheh, M., & Ghafarpour, A. (2013, February). Evaluation land use changes and anthropogenic influences on surface water quality by principal component analysis, Northern Iran. In Proceedings of the 1st International Conference on Environmental Crisis and Its Solutions, Kish Island, Iran (pp. 13-14).
34. Khaledian, Y, Kiani, F and **Ebrahimi, S.** (2011). Investigating some parameters affecting the reliability of soil grain due to villa construction and land use change in different slopes of Ziarat watershed, Golestan province. The 12th Iran Soil Science Congress, Tabriz, 12-14 September 2018.

35. Khaledian, Y, Kiani, F, **Ebrahimi, S** and Shahriari, A. . (2011). The process of stable and unstable carbon loss and changes in soil stability under the influence of deforestation. The 12th Iran Soil Science Congress, Tabriz, 12-14 September 2018.
36. **S. Ebrahimi**, J. Shayegan, M. J. Malakouti. (2010). Hydrocarbon and Chemical solvents emission in Soil around Sari Antibiotic Factory. The 5th National Conference on New Ideas in Agriculture, Isfahan, Iran.
37. Y. Khaledian, F. Kiani, **S. Ebrahimi**, S. A. Movahedi naeeni.(2010). Effect of urbanization and land use change on selected quality in Ziarat watershed Golestan provine.The 5th National Conference on New Ideas in Agriculture, Isfahan, Iran.
38. S. Seyed Alikhani, M. Shorafa, A. Asgharzade, A. Tavassoli and **S. Ebrahimi**. (2009). Effect of Pseudomonas putida and effervescent tablet involving five Bacillus species independently and combined with plant cultivation to remedy soil hydrocarbon pollutants. XXXIII CIOSTA - CIGR V Conference 2009, Reggio Calabria (Italy)- "Technology and management to ensure sustainable agriculture, agro-systems, forestry and safety.
39. S. Seyed Alikhani, **S. Ebrahimi**, A. Tavassoli and M. Shorafa. (2009). Improvement of petroleum hydrocarbon-contaminated soils by phytoremediation with barley, vetch and bean. XXXIII CIOSTA - CIGR V Conference 2009, Reggio Calabria (Italy)- "Technology and management to ensure sustainable agriculture, agro-systems, forestry and safety.
40. S. Alikhani, **S. Ebrahimi**, M. Shorafa, A. Asgharzade and A. Tavassoli.(2009). Assay of total petroleum hydrocarbons remediation in case of using of barley, 3 Bacillus treatments and also a combination of barley with three Bacillus species treatments. . XXXIII CIOSTA - CIGR V Conference 2009, Reggio Calabria (Italy)-"Technology and management to ensure sustainable agriculture, agro-systems, forestry and safety.
41. S. Seyed Alikhani, M. Shorafa and **S. Ebrahimi**. (2009). Delibration of Mutual effect of Barley, Vetch and Bean Germination and Soil Petroleum Hydrocarbon Contamination. "International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Ondokuz Mayis University/ Samsun-Turkey, May 26-28, 2010.
42. S. Alikhani, M. Shorafa, **S. Ebrahimi** and Sh. Khatibi. (2009). Comparison of Cluster Dry Biomass and Humidity Percentage of Barley in Petroleum Contaminated Soil and

Clean soil. "International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Ondokuz Mayıs University/ Samsun-Turkey, May 26-28, 2010.

- 43.S. Ebrahimi, J. Shayegan, M. J. Malakouti, A. Akbari and Atashjameh, A. (2009).** Investigation of Hydrocarbon Pollution Spreading in soil around Sarkhoun Refinery. 8th World Congress of Chemical Engineering, Montreal, Quebec, Canada, August 23-27.
- 44.S. Seyed Alikhani, M. Shorafa, A. Asgharzadeh and S. Ebrahimi.(2009).** Estimation of infection rates of oil polluted Bagher Abad soil and provides efficient methods to clean up the area. The third Conference on the World Environment Day Tehran, Iran.
- 45.Sh. Khatibi, H, MirHosseini, M. Nezami, S. Ebrahimi. (2009).** Majoring the variation of the oil contaminants in the soil around Tehran Oil Refinery by Alfalfa, grass and white clover. 11th Iranian Congress on Soil Sciences, Gorgan, Iran.
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- 47.S. Ebrahimi, M. Ghorbanian, S. Alikhani, S. Khatibi and M. J. Malakouti. (2008).** Feasibility in Application of Different Remediation Methods of Petroleum Pollutants in soil and its Algorithm in Industrial Case. University of Natural Resources and Applied Life Sciences (BOKU), EUROSOIL 2008, Pp: 86, Vienna, Austria.
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- 49.S. Ebrahimi, M. J. Malakouti, S. Khatibi, S. Alikhani. (2008).** The Role of Organic Matter in Improving the Physicochemical and Biological Properties of Agricultural Soils. University of Natural Resources and Applied Life Sciences (BOKU), EUROSOIL 2008, Pp: 229, Vienna, Austria.
- 50.F. Haghparast, M. Lotfalian J. Ghoddousi, S. Ebrahimi, J. Oladi. (2008).** Assessing effect of plant residuals on reduction and prevention of soil compaction in afforested parks. University of Natural Resources and Applied Life Sciences (BOKU), EUROSOIL 2008, Pp: 295, Vienna, Austria.

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- 52.S. Ebrahimi**, M. J. Malakouti. (2006). Effect of nitrogen fertilization and Zinc on cotton (*Gossypium hirsutum* L.) seed yield, viability and seedling vigor. 2006. XV Congress of the Federation of European Societies of Plant Biology. July 17th to July 21th, Lyon, France.
- 53.S. Ebrahimi**, and Homae, M (2006). Cyclic Swelling Behavior of Superabsorbent Polymers in Soil Porous Media. 18th World Congress of Soil Science July 9-15, Philadelphia, Pennsylvania, USA.
- 54.S. Ebrahimi**, M. J. Malakooti. K. Esmaeilian and Z. A. Tahmasebi Sarvestani (2006). Effect of nitrogen fertilization and Zinc on cotton (*Gossypium hirsutum* L.) seed yield, viability and seedling vigor. XV Congress of the Federation of European Societies of Plant Biology. July 17th to July 21th, Lyon, France.
- 55.S. Ebrahimi**, M. Zamanzadeh and B. Ebrahimi. (2005). Entrepreneurship challenges in Iran incubators and SMEs. Entrepreneurship National Conference, Tehran, Iran.
- 56.S. Ebrahimi** and M. Homae. (2005). Determine of best parametric model to evaluation hydrological properties of soil-polymer during alternative wetting-drying cycles. 2nd Conference on Soil and Water Resources, Kerman, Iran.
- 57.S. Ebrahimi** and M. Homae. (2005). Produce a model by using of value engineering in Soil and Water Resources projects. 2nd Conference on Soil and Water Resources, Kerman, Iran.
- 58.S. Ebrahimi** and M. Homae. (2005). Water Uptake Model for Superabsorbent Polymers TA-200 and TA-100. Proceeding of the 9 th Soil Science Congress, Karaj, Iran.
- 59.S. Ebrahimi** and M. Homae. (2005). Cyclic Swelling of Superabsorbent Polymers in Soil Porous Media. Preceding of the 9 the Soil Science Congress, Karaj, Iran.
- 60.S. Ebrahimi** and Homae, M. (2004). Cyclic Wetting-Drying Behaviour of Superabsorbent for Water Holding in Soil. Second Announcement Eurosoil. Pp: 304-305, Eurosoil. 2004, Germany.

- 61.S. Ebrahimi** and M. Homaee. (2004). Water Uptake Model for Superabsorbent Polymer T-A200. First Annual conference on Water Resources Management. Tehran, Iran.
- 62.S. Ebrahimi** and M. J. Malakouti. (2004). The Problem of Residual Burning in Iran and its Prevention for a Sustainable Agriculture. Proceeding of the First Congress Crop Residue Management with Emphasis on Adverse Effects of Burning. Tehran, Iran.
- 63.S. Ebrahimi** and M. J. Malakouti. (2003). The Problem of Soil Compaction in Iran and its Prevention for a Sustainable Agriculture. Conference on cereal Tillage Tasks, Karaj, Iran.
- 64.S. Ebrahimi** and M. Homaee. (2003). Investigation on Fluid Uptake Model by T-A100 Super-Absorbent Polymer. 2nd Student Conference on Soil and Water Resources, Shiraz, Iran.
- 65.S. Ebrahimi** and M. J. Malakouti. (2003). The Influence of Ca on Increasing of Field Crop Quality. 2003. Technical publication, No. 265. Soil and Water Research Institute, High Council for Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.
- 66.S. Ebrahimi** , H, Bahrami, M. Homaee and M.J. Malakouti. (2002). The Role of Organic Matter on Soil Compaction. Technical publication, No. 284. Soil and Water Research Institute, High Council for Appropriate Use of Pesticides and Chemical Fertilizers, Ministry of Agriculture, Tehran, Iran.

ACADEMIC TEACHING EXPERIENCE:

B.Sc.: Environmental pollution, Fundamental of soil science, Application of radioisotopes in soil science, Soil physics, General soil science, Soil Environmental rights and laws, Environmental pollution

M.Sc.: The relationship between water, soil and advanced plants Research method in soil science

Ph.D.: Knowledge and application of laboratory devices in soil science, Application of mathematical models in physics and soil protection.

SERVICE AND PROFESSIONAL MEMBERSHIP:

- Head of Department of Soil Science (Since 2020)
- 2010-present: Faculty member and Associate Professor, Department of Soil Science Engineering, Gorgan University of Agricultural Sciences and Natural Resources.
- 2021-present: Supervisor of the Scientific Association, Department of Soil Science Engineering, Gorgan University of Agricultural Sciences and Natural Resources.
- Educational Supervisor for B.Sc Students (2017-18 entry), Department of Soil Science Engineering, Gorgan University of Agricultural Sciences and Natural Resources.
- Reviewer, Harekat National Festival, Tehran Ministry of Science and Technology Research/Judge of the National Movement Festival (9 courses)
- Scientific Secretary and the Policy Council member of Harekat intra-university festival, Gorgan University of Agricultural Sciences and Natural Resources (2017).
- Research and Technology Coordinator, Faculty of Water and Soil Engineering, University of Agriculture and Natural Resources, (2015-2017).
- Secretary of Golestan Provincial Branch of Soil Science Association (Soil Science Association), 2015-2017
- Reviewer of scientific-research, Journal of Soil Management And Sustainable Production, Journal of Water and Soil Science, Agricultural Research Journal
- Head of Art Society of Tarbiat Modares University. (2001-2003)
- Commendations from Head of SSSI for competition in 8th Congress of Soil Science, Rasht, Iran, 2003.
- Member of Electronic Call of Peace Iranian Journal
- Member of Iran Soil Science Society (2000- Present)
- Agricultural Science and Natural Resource Gorgan University Scholarship (2004-2007)
- Internal Manager at Soil Science Society of Iran, SWRI, Tehran, (2003-2005).
- Production of Website Soil Science Society of Iran: WWW.Soiliran.Org

AWARDS:

- Prominent professor of teaching at Gorgan University of Agriculture and Natural Resources (1402)
- Leading professor of teaching at Gorgan University of Agriculture and Natural Resources (1401).
- Appreciation letter: Selected consultant of the first Harekat festival of Gorgan University of Agriculture and Natural Resources (2017.)
- Appreciation letter: Admirable advisor of the Soil Science Association of Gorgan University of Agriculture and Natural Resources (Advisor of the Soil Science Department (two semesters 2017-2018)
- Appreciation letter: first place winner for the project "preparation of carriers for the storage of crude oil-degrading bacteria" in the visa section of the first movement festival of Gorgan University of Agriculture and Natural Resources.

- First place award "Student Dormitory Empowerment Enterprise Plan" in the national festival of the best cultural ideas and projects of the country, August 2004.
- Certificate of appreciation for the best paper of the selected panel poster "Feasibility of using different methods of monitoring soil oil pollutants and presenting the algorithm in the industrial dimension", the 6th National Conference of Agricultural Sciences and Natural Resources, December 2006.
- Certificate of appreciation for the article from the adviser to the minister and director general of the environment and sustainable development of agriculture "Burning plant residues is a serious threat to the sustainability of agricultural production, Tehran, 2005.
- Golden paper Certification that the paper: Hojatollah rashidi, Sohaila Ebrahimi, Parvin Farshchi. 2014. Changes of EC and TSS at Different Stages of Biological Wastewater Treatment with the propose of filterable Latex(a case study in Western composting Factory of Golestan Province), International E-Conference on Green Economics, 12 may 2014. Secretary Code: G/1/3007.
- Best Lecturer on "Effect of Organic Matter on Physico-Chemical Properties of Agricultural Soil, necessity of the Preventions of Burning Farm, Awarded by the Minister of Agriculture, 2004.
- The first place in the entry exam for specialized doctorate of Tarbiat Modares University from the honorable president of Tarbiat Modares University, October 2003.

LANGUAGES:

Persian

English

Gorgan University of Agricultural
Sciences & Natural Resources