Curriculum Vitae

Name & Surname: Saeid Hojati

Date of Birth: 21-09-1979

Address, Suburb, State, Postcode: Department of Soil Science & Engineering, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Khuzestan, Iran

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PROFESSIONAL PROFILE:

- Associate Professor of Soil Pedology at Shahid Chamran University (SCU) of Ahvaz.
- Head of Soil Science Department, Shahid Chamran University of Ahvaz, February 2021- Now.

Position Held:

- Dean Assistant for Postgraduate and Academic Affairs, Faculty of Agriculture.
- Editorial Board, Journal of Agricultural Engineering, Shahid Chamran University January 2016-January 2018.
- Executive Secretary, the First International Conference on Dust, Ahvaz, March 2-4, 2016.
- Associate Professor, Shahid Chmaran University of Ahvaz, October 2015- September 2021.
- Manager, University Journals System, Shahid Chamran University of Ahvaz (June 2013-March 2016).
- Managing Director, Journal of Agricultural Engineering, Shahid Chamran University January 2013-January 2015.

- Assistant Professor, Shahid Chmaran University of Ahvaz, January 2012- October 2015.

EDUCATION BACKGROUND:

Ph.D.: Soil Science (Genesis and Classification of Soils), Isfahan University of Technology (IUT), Isfahan, Iran.

Thesis Title:

"Distribution pattern, genesis and stability of fibrous clay minerals in soils and associated Tertiary sediments in central Iran and Zagros regions."

M.Sc.: Soil Science (Soil Biochemistry), Isfahan University of Technology (IUT), Isfahan, Iran.

Dissertation Title:

"Residual and cumulative effects of organic amendments on microbial biomass index, β-glucosidase, L-glutaminase, alkaline phosphatase and arylsulfatase activities in a calcareous soil."

B.Sc.: Soil Science, Isfahan University of Technology (IUT), Isfahan, Iran.

TEACHING AND TRAINING EXPERIENCE:

Undergraduate Courses:

- Soil Survey
- Geomorphology
- Soils of Arid and Semi-Arid Areas
- Soil Genesis and Classification
- Land Evaluation
- Introduction to Soil Science

Graduate Courses:

- Digital Soil Mapping (Ph.D. level)
- Geostatistics (Ph.D. and M.Sc. levels)
- Soil Geomorphology (Ph.D. level)
- Advanced Topics in Soil Genesis, Classification and Land Evaluation (Ph.D. level)
- Optical Mineralogy (Ph.D. and M.Sc. levels)
- Tools and Methods in Management of Soil Resources (Ph.D. level)
- Land Suitability Evaluation (M.Sc. level)
- Research Methodology in Soil Science (M.Sc. level)

Training Experience:

- Sabbatical, School of Environmental Sciences, University of Guelph, ON, Canada (April 2019-September 2019).

- Fellowship, Department of Agricultural Sciences and Technology, Technical University of Cartagena, Murcia, Spain (March 2009-September 2009).
- Writing Tune-up, May 6 and 7, 2019, University of Guelph, Canada
- Machine learning as a framework for predictive soil mapping: Incorporating distances and spatial connectivity into machine learning-based modeling, Pedometrics 2019, June 2, Guelph, Canada
- Data Skills: Data Visualization-GIS, May 23, 2019, University of Guelph, Canada
- Data Skills: Part I: Intro to R and R Studio, June 6, 2019, University of Guelph, Canada
- Data Skills: Part II: Data Manipulation in R, June 6, 2019, University of Guelph, Canada
- Data Analysis Part III: Reproducible Research in R, June 13, 2019, University of Guelph, Canada

HONOURS AND AWARDS:

- Distinguished researcher at Khuzestan Province in the field of Agriculture and Natural Resources, 2019.
- Distinguished researcher at Shahid Chmaran University of Ahvaz in the field of Agriculture and Natural Resources, 2016.
- Distinguished Agricultural Ph.D. thesis in Isfahan University of Technology (2012).
- Winner of fellowship from Isfahan University of Technology (IUT) in 2003.
- Distinguished student, the second- best student in qualifying examination to higher education in 2002 (The exam is annually held by Ministry of Science, Research and Technology in Iran).
- Distinguished student, the first- best student of Soil Science, Isfahan University of Technology (IUT) in B.Sc. degree.

INTERESTS AND RESEACH FIELDS:

- Spatial variability of soil properties.
- Digital soil mapping and digital soil morphometric.
- Effects of land use and management practices on soil quality attributes.
- Interactions of clay minerals with organic and inorganic pollutants.
- Paleoclimate interpretation of clay minerals in soils and weathering profiles.
- Application of stable isotope and micromorphology techniques in studies of soil evolution.
- Application of submicroscopic techniques (SEM, TEM, HRTEM) in studies of clay minerals formation under arid conditions.
- Determination of the origin of dust particles in arid and semi-arid regions based on mineralogical compositions and physicochemical characteristics.

RESARCH ACTIVITIES:

THESES SUPERVISED (SELECTED TOPICS)

A. (Ph.D. LEVEL):

1. Fatemeh Rahmati, Effectiveness of Spectroscopy Method on Estimation of Selected Surface Soil properties and Their Digital Mapping in Some Areas of Khuzestan Province (ongoing).
2. Nasim Sahraei, Spatial mapping and estimation of heavy metal pollution indices and risk assessment using remote sensing data in selected Khuzestan soils (ongoing).
3. Vahid Moradinasab. Soil evolution in relation to geomorphology and parent materials in selected areas of Karoun 3 Basin, east of Khuzestan Province (ongoing).
4. Saheb Khodehbin. 2020. Digital mapping of carbon storage and emission of carbon gases in soils of different land uses in Behbahan city (Completed).
5. Reza Aminfar. 2020. Environmental assessment of potentially toxic trace elements in dust storms in west of Khuzestan Province and their relationship with land characteristics in some internal and external sources (Completed).
6. Sara Sharifi Hosseini. 2018. Removal of petroleum hydrocarbons and fixation of selected heavy metals in Aghajari oil drilling mud wastes using sepiolite, biochar and phytoremediation (Completed).
7. Alireza Owji. 2018. Effects of climate and grazing management on carbon balance and characteristics of soils in selected pastures of Khuzestan Province (Completed).

B. (M.Sc. LEVEL):

1. Mohsen Torfi. Using pedo-transfer functions (PTFs) to estimate plant available Zn in selected surface soils of Khuzestan Province and its digital mapping using geostatistical approaches (ongoing).
2. Mousa Gharibzadeh. 2019. Predicting chemical forms of phosphorous using topography and soil characteristics by statistical and intelligence models in Dehdez region, Khuzestan Province (Completed).
3. Sanaz Mousavi. 2019. Adsorption behavior, fractionation and speciation of zinc in selected diagnostic horizons of soils in Khuzestan Province (Completed).
4. Samira Alvani. 2018. Effects of sepiolite and palygorskite micro- and nano-particles on sorption of Cu and Pb from multi-ionic solutions and their leaching from contaminated soils (Completed).
5. Mansoureh Malhan. 2018. Effects of palygorskite addition in a Ni contaminated soil on nitrification process (Completed).
6. Ahmad Ali Rouhaninezhad. 2017. Effects of ionic strength and humic acid on the kinetics and adsorption isotherms of Cr (IV) from aqueous solutions by palygorskite nanoparticles (Completed).
7. Faranak Ghasemi. 2016. Effects of Glomus Mosseae mycorrhizal symbiosis on Mg uptake and weathering of sepiolite and palygorskite in rhizosphere of sorghum (Completed).
8. Zahra Savari. 2016. Digital mapping of soil salinity in Khuzestan Province using regression kriging (Completed).
9. Parisa Heidari. 2016. Effects of land use changes on micromorphological and biological indicators of soil quality in part of Rakaat and Khodabakhshi watershed, east of Khuzestan Province (Completed).
10. Davoud Shariari Geraei. 2016. Effect of land use on status and various forms of organic carbon in selected soils of Khuzestan Province (Completed).
11. Zeinab Jenagh. 2015. Laboratory evaluation of factors affecting release of elements from sepiolite, palygorskite and bentonite clay minerals (Completed).

12. Neda Haghighatkhah. 2014. Effects of burning of crop residues on mineralogical composition and different forms of carbon in selected soils of Khuzestan Province (Completed).
13. Meysam Farzadian. 2014. Alleviation of soil water repellency in two soil samples contaminated by oil and its derivatives (oil based mud) by application of different treatments including clay minerals, oil-decomposing bacteria and aeration (Completed).
14. Reza Beitlefteh. 2013. Characterization of dust particles in southwest of Khuzestan Province and the role of drying of Hourolazim wetland on increasing dust events (Completed).

PUBLICATIONS

INTERNATIONAL JOURNAL PAPERS

A. ISI LISTED:

1. Hojati, S., Heck, R.J., Van Eerd, L., Impacts of horticultural cover-cropping systems on the top soils structures as determined by X-ray µ-computed tomography. Soil and Tillage Research (Under Review, IF = 4.601).
2. Mousavi, S., Hojati, S., Landi, A., Sorption-desorption behavior of Zn in some common diagnostic horizons in southwestern Iran. Geochemistry International, (Under Review ,
3. IF = 0.688).
4. Rohani Nezhad, A.A., Hojati, S., Nonouzi Masir, M., 2020. Adsorption of Cr (VI) onto micron- and nano-sized particles of palygorskite: Effects of pH and humic acid. Ecotoxicology and Environmental Safety, 206, 111247 (IF = 4.848).
5. Pourjasem, L., Landi, A., Enayati Zamir, N., Hojati, S., 2019. The Release of some elements from vermivulite during the short periods of incubation by heterotrophic bacteria. Eurasian Soil Science, 53(2): 223-229 (IF = 1.038).
6. Alvani, S., Hojati, S., Landi, A., 2019. Effects of sepiolite nanoparticles on the removal of Pb and Cu from aqueous solutions and their immobilization in soil columns. Geoderma, 350: 19-28. (IF = 4.336).
7. Hojati, S. 2019. Use of spatial statistics to identify hotspots of lead and copper in selected soils from north of Khuzestan Province, southwestern Iran. Archives of Agronomy and Soil Science, 65(5): 654-669. (IF = 2.257).
8. Hojati, S. 2017. Pollution assessment and source apportionment of arsenic lead and copper in selected soils from Khuzestan Province, southwestern Iran. Arabian Journal of Geosciences. 10:523. (IF = 1.141).
9. Shahriari Geraei, D., Hojati, S., Landi, A., Faz Cano. A. 2016. Total and labile forms of organic carbon as affected by land use change in southwestern Iran. Geoderma Regional, 7(1): 29-37. (IF = 2.667).
10. Mehrab, N., Chorom, M., Hojati, S. 2016. Effect of Raw and NH4+- enriched zeolite on nitrogen uptake by wheat and nitrogen leaching in soils with different textures. Communication in Soil Science and Plant Analysis, 47 (10): 1306-1316. (IF = 0.687).
11. Sharifipour, F., Hojati, S., Landi, A., Faz Cano. A. 2015. Kinetics and thermodynamics of lead adsorption from aqueous solutions onto Iranian sepiolite and zeolite. International Journal of Environmental Research, 9 (3): 1001-1010. (IF = 1.019).

12. Hojati, S., and Landi, A. 2015. Removal of zinc from a metal-plating wastewater using an Iranian sepiolite: determination of optimum conditions. Desalination and Water Treatment, 53 (8): 2117-2124. (IF = 1.631).
13. Hojati, S., and Landi, A. 2015. Kinetics and thermodynamics of zinc removal from a metal plating wastewater by adsorption onto an Iranian sepiolite. International Journal of Environmental Sciences and Technology, 12 (1): 203-210. (IF = 2.037).
14. Ramezanpour Esfahani, A., Hojati, S., Azimi, A., Alidokht, L., Khataee, A., and M. Farzadian. 2014. Enhanced Hexavalent Chromium Removal from Aqueous Solutions Using a Sepiolite-Stabilized Zero Valent Iron Nanocomposite: Impact of Operational Parameters and Artificial Neural Network Modeling. Journal of the Taiwan Institute of Chemical Engineers, 49: 172-182. (IF = 3.849).
15. Ramezanpour Esfahani, A., Hojati, S., Azimi, A., Alidokht, L., Khataee, A., and M. Farzadian. 2014. Reductive removal of hexavalent Cr from aqueous solutions using sepiolite-stabilized zero-valent Iron nanoparticles: Process optimization and kinetic studies. Korean Journal of Chemical Engineering, 31 (4): 630-638. (IF = 2.199).
16. Hojati, S. and H. Khademi. 2013. Cadmium sorption from aqueous solutions onto an Iranian sepiolite: kinetics and isotherms. Journal of Central South University, 20 (12): 3627-3632 (IF = 0.761).
17. Hojati, S., Khademi, H., Faz Cano, A., Ayoubi, S. and A. Landi. 2013. Factors affecting the occurrence of palygorskite in central Iranian soils developed on Tertiary sediments. Pedosphere, 23 (3): 359-371 (IF = 2.430).
18. Hojati, S., Khademi, H., Arocena, J. M., Faz Cano, A. and S. Ayoubi. 2012. Chronostratigraphic distribution and genesis of palygorskite in Tertiary sediments of the Isfahan region, central Iran. Clay Minerals, 47(1): 11-29 (IF = 0.874).
19. Hojati, S., Khademi, H., Faz Cano, A. and A. Landi. 2012. Characteristics of dust deposited along a transect between central Iran and the Zagros Mountains. Catena, 88: 27-36
20. (IF = 3.256).
21. Hojati, S., Khademi, H. and A. Faz Cano. 2010. Palygorskite formation under the influence of a saline and alkaline groundwater in central Iranian soils. Soil Science, 175 (6): 303-312 (IF = 1.387).
22. Hojati, S. and F. Nourbakhsh. 2007. Effects of cow manure and sewage sludge on the activity and kinetics of L-glutaminase in soil. Biology and Fertility of Soils, 43:491–494 (IF = 3.808).

B. OTHER JOURNALS

1. Ghazi, A.R., Karimi, A.R., Haghnia, G.H., and Hojati, S. 2019. Grain size and mineralogical studies of sandy sediment in southwestern Iran. Desert, 24(1), 75-85.
2. Nazari Khorasgani, Z., Khodayar, M.J., Namdar, F., Hojati, S., Landi, A., Alamolhoda, S., 2016. Removal of Ametryn from aqueous solutions with zeolite nanoparticles optimized using Box-Behnken design. Jundishapur Journal of Natural Pharmaceutical Products, 11 (2): e28749.
3. Kalantari, H., Norouzian, B., Hojati, S., Landi, A., Nazari Khorasgani, Z., 2015. Removal paraquat from aqueous solutions with zeolite nanoparticles optimized using the Box-Behnken design. International Journal of Current Research in Chemistry and Pharmaceutical Sciences, 2(9): 41-54.
4. Hojati, S. and H. Khademi. 2013. Thermal behavior of a natural sepiolite from northeastern Iran. Journal of Sciences, Islamic Republic of Iran, 24(2): 129-134.

5. Hojati, S. and F. Nourbakhsh. 2009. Distribution of β-glucosidase activity within aggregates of a soil amended with organic fertilizers. American Journal of Agricultural and Biological Sciences, 4 (3): 179-186.
6. Hojati, S. and F. Nourbakhsh. 2006. Enzyme Activities and Microbial Biomass Carbon in a Soil Amended with Organic and Inorganic Fertilizers. Journal of Agronomy, 5 (4): 563-569.

SELECTED PAPERS in DOMESTIC JOURNAL:

7. Savari, Z., Hojati, S., and R. Taghizadeh Mehrjerdi. 2021. Digital mapping of surface soil salinity in Khuzestan Province using regression kriging. Journal of Water and Soil Sciences, (In Press.)
8. Khordehbin, S., Hojati, S., Landi, A., Ahmadianfar, I., 2020. Comparison of CH4 and CO2 emissions from selected land uses of Behbahan city. Iranian Journal of Natural Environment, 73(3): 457-470.
9. Khordehbin, S., Hojati, S., Landi, A., Ahmadianfar, I., 2020. Comparison of different data mining methods in predicting soil organic carbon storage in some lands of Behbahan city. Iranian Journal of Soil and Water Research, 51(4): 1041-1054.
10. Pourkeihan, S., Landi, A., Chorom, M., Hojati, S. and S. Jafari. 2018. Study of Study of the effects of land use change and construction of sugarcane fields on physicochemical, mineralogical and micromorphological characteristics of soil in southern Khuzestan province. Journal of Soil Management and Sustainable Production, 8(2): 43-61.
11. Savari, Z., Hojati, S., and R. Taghizadeh Mehrjerdi. 2016. Assessing the ability of kriging methods for mapping surface soil salinity in Ahvaz County. Journal of Water and Soil Sciences, 20 (77): 127-14.۳
12. Haghighat Khah, N., Hojati, S., Landi, A. and H. Motamedi. 2016. Effects of burning of sugarcane and maize residues on different forms of carbon in some soils of Khuzestan Province. Journal of Water and Soil Studies, 25 (4): 129-143.
13. Jenagh, Z., Hojati, S. and A. Landi. 2016. Effects of organic acids on release of elements from sepiolite and palygorskite minerals in saline conditions. Journal of Water and Soil Conservation Studies, 22 (4), 47-65.
14. Beitlefteh, R., Landi, A., Hojati, S., Sayyad, G.A. 2015. Deposition rate, mineralogy and size distribution pattern of dust particles collected around the Houralazim marshland, Khuzestan Province. Journal of Water and Soil, 29 (3): 695-707.
15. Farzadian, M., Hojati, S., Sayyad, G.A. and N. Enayati Zamir. 2015. Decreasing water repellency in a petroleum contaminated soil using zeolite. Journal of Sciences and Technologies in Agriculture and Natural Resources, 19 (72): 57-67.
16. Shahrifipour, F., Hojati, S., Landi, A. and A. Faz Cano. 2015. Removal of Lead from Aqueous Solutions Using Iranian Sepiolite: Effects of Contact Time, Temperature, pH, Dose of Sorbents, and Preheating. Journal of Irrigation and Water Sciences, 38 (1): 135-147.
17. Mohamadjafari, F., Landi, A. and S. Hojati. 2015. Factors Affecting Mg Release from Sepiolite Treated with Two Organic Acids. Iranian Journal of Crystallography and Mineralogy, 23 (2): 321-330.
18. Hojati, S. and A. Landi. 2014. Kinetics and Thermodynamics of Zinc Removal from a Metal-Plating Wastewater Using Firouzkouh Zeolite. Journal of Environmental Studies, 40 (4): 901-912.

19. Mehrab, N., Chorom, M. and S. Hojati. 2014. The Effects of NH4-Zeolite on Growth Characteristics of Wheat and Water Use Efficiency in Two Soil Textures. Journal of Agricultural Engineering, 37 (1): 1-13.
20. Hojati, S. and H. Khademi. 2014. Physicochemical and Mineralogical Characteristics of Sepiolite Deposits of Northeastern Iran. Ulum-I-Zamin, 90: 165-174 .
21. Bartina, H., Sayyad, G., Matinfar, H.R. and S. Hojati. 2014. Enhancement of Middle East Dust Plumes Based on Spectral Data of MODIS Sensor. Quarterly Journal of Natural Geography Research, 45 (4): 73-84.
22. Hashemian Ghahfarrokhi, S.S., Landi, A., Khademi, H. and S. Hojati. 2014. Removal of Cd and Pb from Aqueous Solutions Using Iranian Natural Zeolite and Sepiolite. Journal of Environmental Studies, 40 (1): 189-198.
23. Hojati, S., Landi, A. and H. Alekasiri. 2013. Assessment of Sepiolite Ability to Reduce Pb and Zn Leaching from Soil Columns. Journal of Agricultural Engineering, 36 (1): 13-22.
24. Khademi, H. and S. Hojati. 2010. Distribution and genesis of palygorskite in selected Tertiary deposits of Central Iran. Iranian Journal of Crystallography and Mineralogy, 18(1) 113-124.
25. Hojati, S., Nourbakshsh, F. and K. Khavazi. 2006. Microbial Biomass Index, Enzyme Activities and Corn Yield in a Soil Amended with Sewage Sludge. Journals of Soil and Water Sciences, 20 (1):83-92.

BOOKS TRANSLATED:

1. Hojati, S., Jafari Sirizi, A. 2021. Using R in Digital Soil Mapping. 2021. Shahid Chamran University Press, Ahvaz, 324 pages.
2. Hojati, S., Landi, A., 2016. Visual Soil Assessment Field Guide: Annual Crops. Iran Agricultural Science Press, Tehran, 53 pages.
3. Hojati, S., 2016. Visual Soil Assessment Field Guide: Wheat. Jahad University Press, Sari, 75 pages.

BOOK CHAPTERS PUBLISHED:

1. Hojati, S., Khademi, H., 2011. Genesis and Distribution of Palygorskite in Iranian Soils and Sediments. In Galan, E. and A. Singer (eds.), Developments in Palygorskite-Sepiolite Research: A New Look at These Nanomaterials. Elsevier, Amsterdam, pp. 201-218.

SELECTED CONFERENCE PRESENTATION:

1. Hojati, S. 2016. Application of natural Iranian sepiolite and zeolite for removal of tin from some industrial wastewaters. 5th EUROSOIL International Congress, Istanbul, Turkey, July 17-22.
2. Haghighatkhah, N., Hojati, S., Landi, A. 2016. Effects of burning of sugarcane and maize residues on different forms of carbon in some soils of Khuzestan Province, southwestern Iran. 5th EUROSOIL International Congress, Istanbul, Turkey, July 17-22.
3. Shahriari, D., Hojati, S., Landi, A., Faz Cano, A. 2016. Total and labile forms of soil organic carbon as affected by land use change in southwestern Iran. 5th EUROSOIL International Congress, Istanbul, Turkey, July 17-22.
4. Farzadian, M., Hojati, S., Sayyad, G. 2016. Decreasing water repellency in a petroleum-contaminated soil using sepiolite. 5th EUROSOIL International Congress, Istanbul, Turkey, July 17-22.

5. Heidari, P., Hojati, S., Enayatzamir, N., Rayatpisheh, A., 2015. Effects of deforestation on some indicators of soil quality in East of Khuzestan Province, Iran. Eurasian Soil Congress 2015, Sochi, Russia, 19-23 October.
6. Zare, M., Ferdosifar, G., Landi, A., Hojati, S. 2012. Land resource assessment in part of Helle River Basin in Bushehr Province, southwestern Iran. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management". Cesme-Izmir, Turkey, May 15-17.
7. Hojati, S., Khademi, H. 2012. Cadmium sorption from aqueous solutions onto an Iranian sepiolite: kinetics and isotherms. 8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management". Cesme-Izmir, Turkey, May 15-17.
8. Hojati, S., Khademi, H., Faz Cano, A. 2010. Palygorskite distribution and genesis in central Iranian Soils. Trilateral Meeting on Clays, Seville, Spain, June 6-11.
9. Hojati, S., Khademi, H., Faz Cano, A. 2010. Palygorskite formation under the influence of groundwater in central Iranian soils. International Soil Science Congress on “Management of Natural Resources to Sustain Soil Health and Quality". Samsun, Turkey, May 26-28.
10. Hojati, S., Mehnatkesh, A., Ayoubi, S. 2008. Micromorphological features as potential indicators of soil quality in overgrazed soils. 13th international conference on soil micromorphology, Chengdu, China, September 11-16.
11. Hojati, S., Nourbakhsh, F. 2007. Distribution of β-glucosidase activity within aggregate sizes in an organic fertilizer-amended calcareous soil. 3rd Iinternational Conference of Enzymes in the Environment. Viterbo, Italy.
12. Hojati, S., Nourbakhsh, F. 2005. Functional biodiversity in a calcareous soil amended with sewage sludge, cow manure and chemical fertilizer. Human Impacts on Soil Quality Attributes international conference, Isfahan, Iran.
13. Hojjati, S., Nourbakhsh, F., 2004. Kinetic parameters of L- glutaminase activity in a calcareous soil treated with cow manure, sewage sludge and chemical fertilizer. Abstracts of EUROSOIL international conference, Freiburg, Germany.
14. Hojjati, S., Nourbakhsh, F., Afyuni, M., 2004. Biological Index of Nitrogen Availability (BINA) and L- glutaminase activity in a calcareous soil treated with sewage sludge and cow manure. 4th international Iran and Russia Conference in “Agriculture and Natural Resources”. Shahrekord, Iran.
15. Hojati, S., Nourbakhsh, F., Afyuni, M., and Rezaei Nejad, Y. 2004. L-glutaminase, arylsulfatase, alkaline phosphatase, β-glucosidase activities and soil microbial biomass in a calcareous soil amended with sewage sludge. Abstracts of Science Conference, Sanaa, Yemen.

RESEARCH PROJECTS:

1. **Title:** Application of Sepiolite and Zeolite for Removal of Selected Heavy Metals from Some Industrial Wastewaters.

   Years: 2012-2014.

   Granted by: Iran National Science Foundation (Project No. 90001065).
2. **Title:** Spatial Variability of Selected Heavy Metals in Surface Soils of Northern Khuzestan Province.

Years: 2015-2018

Granted by: Iran National Science Foundation (Project No. 93021034).

3. **Title:** Source Identification and Spatial Variability of Selected Characteristics in Street Dust of Ahvaz City.

   Years: 2018-2020

   Granted by: Deputy of Research and Technology, Shahid Chamran University of Ahvaz (Project No. 1311).

4. **Title:** Digital Mapping and Modeling the Spatial Variability of Available Phosphorous in Agricultural Soils of Northern Khuzestan Province Using Geostatistical and Machine Learning Approaches

   Years: 2021-2023

   Granted by: Iran National Science Foundation (Project No. 98022783).

PROFESSIONAL MEMBERSHIPS:

1. Soil Science Society of America (2005-2006)
2. Iranian Society of Soil Science (Since 2014)
3. Iranian Society of Mineralogy and Crystallography (Since 2009)
4. Mineralogical Society of England and Ireland (2010-2011)
5. Clay Minerals Society (2010-2011)

LANGUAGES:

Persian (native)

English (medium)

French (FAIR)

Spanish (FAIR)