

# Curriculum Vitae



**NAME & SURNAME:** Ahmad Landi

**DATE OF BIRTH: Date of Birth:** May/15/1965

 **ADDRESS, SUBURB, STATE, POSTAL CODE:** Department of Soil Science, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Iran

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## PROFESSIONAL PROFILE:

Professor of Soil Science in Shahid Chamran University of Ahvaz, Iran

## EDUCATION BACKGROUND:

**BSc. in Soil Science.** 1984. Shaid Chamran University of Ahvaz, Iran

**MSc. in Soil Science.** 1994. Tehran University, Karaj, Iran

**Thesis:**

Study of Physico-Chemical and Mineralogical properties of Izeh Soils Based on Toposequence.

**Ph.D. in Soil Science.** 2001. Saskatchewan University, Saskatoon, Canada

**Thesis:**

Carbon Balance in the Major Soil Zones of Saskatchewan.

## TEACHING AND TRAINING EXPERINCE:

**Undergraduate level:**

Soil Genesis and Classification

Land Evaluation

Soil mapping

**Graduate Level:**

Advanced Soil Genesis and Classification

Quantative Land Evaluation

Remote sensing  
Clay Minerals  
Stable Isotopes

## INTERESTS AND RESEARCH FIELDS:

- Carbon Sequestration,
- Greenhouse Gasses Emission,
- Clay mineralogy,
- Soil Quality Assessment Under Different Management Systems,
- Remote Sensing,
- Stable Isotope Geochemistry,
- Carbonate Formation

## RESEARCH ACTIVITIES:

### PUBLICATIONS:

#### Papers in Journals:

- **Landi, A.**, Anderson, D. W., and A. R. Mermut. 2003. Organic carbon storage and stable isotope composition of soils along a grassland to forest environmental gradient in Saskatchewan. *Can. J. Soil Sci.* 83, pp: 405-414.
- **Landi, A.** Mermut, A. R., and D. W. Anderson. 2003. Origin and rate of pedogenic carbonate accumulation in Saskatchewan soils, Canada. *Geoderma* 117, pp: 143-156.
- **Landi, A.** Mermut, A. R., and D. W. Anderson. 2004. Carbon Distribution in a Hummocky Landscape from Saskatchewan, Canada. *Soil Sci. Soc. AM. J.* Vol.68, pp:175-184.
- Rangzan, N., and **A. Landi**. 2007. Phytoremediation of Diesel fuel in Contaminated soil. *Scientific Journal of Agriculture.* Vol. 30(3), PP: 79-92.
- Albaji, M., **Landi, A.**, Broomand Nasab, S., and S. Moravaj. 2008. Land suitability Evaluation for Surface and Drip Irrigation in Shavoor Plain- Iran. *Journal of Applied Science.* 8(4).
- Broomand Nasab, S., Albaji, M., and **A. Landi**. 2008. Qualitative evaluation of land suitability for the major crops in the Shavoor Region- Iran. *Journal of Crop Research.* 36(2).
- **Landi, A.**, Broomand Nasab, S., Behzad, M., Tondrow, M. R., Albaji, M., and A. Jazaieri. 2008. Land suitability Evaluation for Surface , Sprinkle and Drip Irrigation Methods in Fakheh Plain- Iran. *Journal of Applied Science.* 8(20).
- Naseri, A. A., Albaji, M., Broomand Nasab, S., **Landi, A.**, Papan, P., and A. Bavi. 2009. Land suitability Evaluation for Principal Crops in the Abbas Plain, Southwest Iran. *Journal of food Agriculture and Environment.* 7(1).
- Zalaghi, R., **Landi, A.**, and H. Amerikhah. 2009. Assessment of CO<sub>2</sub> and CH<sub>4</sub> Greenhouse Gasses Emission from Rice and Wheat Cultivation Soils. *Journal of Environmental Studies.* 35 (49). (In Persian)
- Zalaghi, R., and **A. Landi**. 2009. Evaluating Carbonic Gasses Emission and Organic Carbon Balance from Soils under Current Agricultural Land Use. *Journal of Applied Science.* 9(12).
- Mehdipour, L., and **A. Landi**. 2010. Affect of the Different Landuse on the Emission of Greenhouse Gases. *Journal of Soil and Water Sciences.* (In Persian)
- NejadSadeghi, M., Moalemi, N., and **A. Landi**. 2010. Effects of Cycocel and Irrigation

- Regimes on Some Physiological Parameters of Three Olive Cultivars. *American Journal Applied Sciences*. 7(4): 459-465.
- Amerikhah, H., Chorom, M., and **Landi, A.**, and S. Jafari. 2010. Application of DNDC Model for Estimating the Carbon Greenhouse Gasses Emission as Effect of Changing Land use in South of Ahwaz. (In Persian).
  - **Landi, A.**, Barzegar, A. R., Sayadi, J., and Khademalrasoul, A. 2011. Assessment of soil loss using WEPP model and geographical information system. *Journal of Spatial Hydrology*, 11(1).
  - Kalkhajeh, Y. K., Amerikhah, H., and **A, Landi**. 2012. Comparison of surface and drip irrigation methods based on the parametric evaluation approach in terms of FAO framework in Hendijan plain. *Research Journal of Environmental and Earth Sciences*, 4(3), 230-236.
  - Hojati, S., Khademi, H., Cano, A. F. and **A, Landi**. 2012. Characteristics of dust deposited along a transect between central Iran and the Zagros Mountains. *Catena*, 88(1), 27-36.
  - Yarahmadi, F., **Landi, A.**, and Asoodar, M. A. 2013. Effect of Different Tillage and Planting Methods on Wheat Water Consumption in North of Khuzestan, Iran. *International journal of Agronomy and Plant Production*, 4(10), 2643-2648.
  - Taheri, M., **Landi, A.**, and Archangi, B. 2013. Using Rs, GIS systems and MPSIAC model to produce erosion map and to estimate sedimentation. *International Journal of Agriculture*, 3(4), 881.
  - Hojati, S., Khademi, H., Cano, A. F., 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.
  - Hojati, S., **Landi, A.**, Alekasiri, H. (2013). Assessment of Sepiolite Ability to Reduce Pb and Zn Leaching from Soil Columns. *Journal of Agricultural Engineering Soil Science and Agricultural Mechanization, (Scientific Journal of Agriculture)*, 36(1), 13-22. (In Persian).
  - Yarahmadi, F., **Landi, A.**, Asoodar, M., Moradi Sabz Kuhi, A. 2013. Effects of Tillage Methods and Irrigation on Greenhouse Gasses Emission under Wheat Cultivation in the North of Khuzestan. *Journal of Agricultural Engineering Soil Science and Agricultural Mechanization, (Scientific Journal of Agriculture)*, 35(2), 71-82. (In Persian).
  - Hojati, S., **Landi, A.** 2014. Kinetic and Thermodynamic Studies of Zinc Removal from a Metal-Plating Wastewater Using Firouzkouh Zeolite. *Journal of Environmental Studies*, 40(4), 901-912. (In Persian).
  - Hashemian Ghahfarokhi, SS., **Landi, A.**, Khademi, H., and Hojati, S. 2014. Removal of Cd<sup>2+</sup> and Pb<sup>2+</sup> Ions from Aqueous Solutions Using Iranian Natural Zeolite and Sepiolite. 40(1), 189-198. (In Persian).
  - Sharifipour, F., Hojati, S., **Landi, A.**, and 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.
  - Hojati, S., and **A. Landi**. 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.
  - Hojati, S., and **A. Landi**. 2015. Kinetics and thermodynamics of zinc removal from a metal-plating wastewater by adsorption onto an Iranian sepiolite. *International Journal of Environmental Science and Technology*, 12(1), 203-210.
  - Sharifipour, F., Hojati, S., **Landi, A.**, Faz Cano, A. 2015. Removal of Lead from Aqueous Solutions Using Iranian Natural Sepiolite: Effects of Contact Time, Temperature, pH, Dose and Heat-Pretreatments. *Irrigation Sciences and Engineering*, 38(1), 135-147. (In Persian).
  - Beitlefteh, R., **Landi, A.**, Hojati, S., and Sayyad, G. 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. (In Persian).
  - Mohamadjafari, F., **Landi, A.**, Hojati, S. and Amerikhah, H. 2015. Release of Mg from sepiolite mineral under the influence of two organic acids. *Iranian Journal of Crystallography and Mineralogy*, 23 (2) :321-330. (In Persian).

- Khodayar, M. J., Namdar, F., Hojati, S., **Landi, A.**, Nazarikhorasgani, Z., and Alamolhoda, S. 2016. Removal of ametryn from aqueous solutions with zeolite nanoparticles optimized using the Box-Behnken design. *Jundishapur Journal of Natural Pharmaceutical Products*, 2, 1-9. (In Persian).
- Geraei, D. S., Hojati, S., **Landi, A.**, and Cano, A. F. 2016. Total and labile forms of soil organic carbon as affected by land use change in southwestern Iran. *Geoderma regional*, 7(1), 29-37.
- Amouzadeh, A., Landi, A., and Hojati, S. 2016. Effects of Organic Matter Removal on Potassium Adsorption Isotherms in Different pH Values at Some Soil of Khuzestan Province. *Journal of Water and Soil*, 30(3), 782-795. (In Persian).
- Fathi, M., **Landi, A.**, and Tehrani, M. 2016. Micronutrient Availability in Relation to Selected Soil Properties and landscape Position in Calcareous Soils of Golpayegan. *Journal of Water and Soil*, 30(3), 892-903. (In Persian).
- Karimian, B., **Landi, A.**, Hojati, S., Ahadian, J. 2016. Physicochemical and mineralogical characteristics of dust particles deposited in Ahvaz city. *Iranian Journal of Soil and Water Research*, 47(1), 159-173. (In Persian).
- Jenagh, Z., Hojati, S. and **Landi, A.** 2016. Effects of wetting and drying cycles on release of some elements from bentonite in presence of organic acids; 24 (2) :273-282. (In Persian).
- Haghghat Khah, N., Hojjati, S., **Landi, A.**, Motamedi, H. 2016. Effects of Burning of Sugarcane and Maize Residues on Different Forms of Carbon in Some Soils of Khuzestan Province. *Water and Soil Science*, 25(1-4), 129-142. (In Persian).
- Jenagh, Z., Hojati, S., **Landi, A.** 2016. Effects of organic acids on release of some elements from sepiolite and palygorskite minerals in saline conditions. *Journal of Water and Soil Conservation*, 22(4), 47-65. (In Persian).
- Enayatizamir, N., and **Landi, A.** 2017. Potassium Solubilizing Bacteria Ability to Increase Wheat Growth and Potassium uptake under in vitro Condition. *Journal of Water and Soil*, 31(4), 120-1134. (In Persian).
- Owji, A., **Landi, A.**, Hojati, S. 2017. Effects of Grazing on Different Forms of Organic Carbon in Peneti Plain of Izeh Area in Khuzestan Province. *Journal of Water and Soil Conservation*, 24(3), 113-129. (In Persian).
- Samiei Fard, R., **Landi, A.**, Hojati, S., Pourreza, N. 2017. Effects of Heating Pretreatments and pH on Removal Efficiency of Cadmium, Cobalt and Zinc from Multi-Ionic Solutions using Sepiolite Mineral. *Journal of Environmental Science and Technology*, 19(4), 179-193. (In Persian).
- Eslami Seyyedmahaleh, R., **Landi, A.**, Enayatizamir, N., Hojati, S. 2017. Iron and Potassium Release from Muscovite and Vermiculite by Some Plant Growth Promoting Bacteria. *Iranian Journal of Soil Research*, 30(4), 487-496. (In Persian).
- Alvani, S., Hojati, S. and **A. Landi**. 2018. Kinetics and isotherms of competitive adsorption of lead and copper using micro- and nanoparticles of palygorskite. *Crop Engineering*, 41(4), 49-65. (In Persian).
- **Landi, A.**, POURKEIHAN, S., CHOROM, M., HOJATI, S and Jafari, S. 2018. 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. *Soil Management and Sustainable Production Journal*, 8(2), 43-61. (In Persian).
- Behrahi, K., Sayyad, G., **Landi, A.**, Peyrowan, H. 2018. Effect of land use type and land slope degree on runoff quantity using artificial rain simulator, case study: Kakasharaf watershed (Lorestan Province). *Watershed Engineering and Management*, 10(1), 58-70. (In Persian).
- Owji, A., **Landi, A.**, and Hojati, S. 2018. Carbon Sequestration and Estimation of its Economic Value in Selected Pastures of Khuzestan under Grazing and Grazing Exclusion. *Journal of Water and Soil*, 32(2), 375-386. (In Persian).
- Behrahi, K., sayyad, G., **Landi, A.**, peyrowan, H. 2018. The Effect of Land use Type and Slope Degree on Phosphorous and Potassium Losses in Runoff Using Rainfall Simulators

(Case study: Kakasharaf Watershed Basin, Lorestan). Irrigation Sciences and Engineering, 41(1), 195-209. (In Persian).

- **Landi, A.**, Pourkeihan, K., Chorom, M., Hojati, S and Jafari, S. 2018. Study of mineralogical properties of sugarcane fields in comparison with uncultivated lands and fields under rotation cultivation in south of Khuzestan Province. 26 (1) :19-30. (In Persian).
- Ghasemi, F., Hojati, S., **Landi, A.**, Zalaghi, R. 2018. Evaluation of palygorskite and sepiolite abilities to supply Mg for sorghum plants in presence/absence of Glomus mosae mycorrhizae. Journal of Agricultural Engineering Soil Science and Agricultural Mechanization, (Scientific Journal of Agriculture), 40(2), 89-104. (In Persian).
- Ramezani, N., **Landi, A.**, Barzegar, A. R. and G. A. Sayyad. 2019. Evaluation and Comparison of Physical and Hydraulic Properties in Different Soil Structures. Malaysian Journal of Soil Science, 23, 43-54.
- Alvani, S., Hojati, S., and **A. Landi**. 2019. Effects of sepiolite nanoparticles on the kinetics of Pb and Cu removal from aqueous solutions and their immobilization in columns with different soil textures. Geoderma, 350, 19-28.
- Motileji, S ., **Landi, A.** and Zalaghi, R. 2019. Effects of application of filter cake, biochar and PGPR bacteria as organic- and bio-fertilizers on some soil quality indices and wheat growth. Soil Management and Sustainable Production Journal, 9(1), 151-162. (In Persian).
- Behrehi, K., Piravan, H. **A. Landi**. 2019. Simulation of Runoff Quality in Sub-catchment of Karkheh Watershed Using a Field Rain Simulator. Journal of Rainwater Catchment Systems, 6 (4), 63-74. (In Persian).

## CONFERENCE PRESENTATIONS:

- **Landi, A.**, Anderson, D. W., and A. R. Mermut. 2000. Carbon storage rate in dark brown and black soil zones in Saskatchewan. Agri-Food 2000 Conference. Winnipeg, Canada.
- **Landi, A.**, Anderson, D. W., and A. R. Mermut. 2001. Rate of pedogenic carbonate formation in soils along and environmental gradient in Saskatchewan. Soil Science Society of Canada Conference. Guelph, Canada.
- **Landi, A.** Mermut, A. R., and D. W. Anderson 2001. Rate of carbonate formation in Saskatchewan soils, Canada. 4th Int. Symp. On Applied Isotope Geochemistry. Pacific Grove, California, USA.
- **Landi, A.**, Anderson, D. W., and A. R. Mermut 2002. Organic and inorganic carbon pools in a dark brown soil landscape of Saskatchewan. 28th Annual Meeting of the Canadian Geophysical Union.
- **Landi, A.** 2003. Pedological Studies in the Izeh Area of southern Iran. The Fourth International Conference on Mycorrhizae. Montreal- Canada.
- **Landi, A.**, and A. R. Mermut. 2005. Accumulation of pedogenic carbonate in boreal soils of Canada. IV Int. Conf. On Cryopedology. New Mexico. USA.
- **Landi, A.** 2006. Stable isotope geochemistry used in recent pedological studies: Carbon cycle in soils boreal regions. 18th World Congress of Soil Science.
- **Landi, A.**, and N. Samadi. 2006. Digital fertility map of Zarrin Shahr, Talkhoonchah, and Najafabad Area, Isfahan, Iran. Soil Science Society of Canada Conference. Banff- Canada.
- **Landi, A.**, and Kh. Payandeh. 2006. Investigation of Rice cultivation period on soil quality (physico - chemical properties) in Northwestern of Khuzestan province. Soil Science Society of Canada Conference. Banff- Canada.
- **Landi, A.**, and M. Taheri. 2006. Using Landsat images to Estimate Erosion Factors. Soil Science Society of Canada Conference. Banff- Canada.
- **Landi, A.**, and M. Shahriari. 2006. A study of industrial pollutants (pb, Cd) role in pollution of soils in Siahrood watershed of Mazandaran Province, Iran. Soil Science Society of Canada Conference. Banff- Canada.
- Shahram, A., Damavandi, A., and **A. Landi**. 2005. Land Evaluation for Alfa Alfa and Potato in Abhar Area Based on Parametric Method. 9<sup>th</sup> Soil Science Society of Iran Conference. Tehran- Iran.

- Pourkyhan, S., Chorom, M., and **A. Landi**. 2005. Study of Carbon Cycle in Different Organic Matter and Their Effects on Some Physico-Chemical Properties of Soil. 9<sup>th</sup> Iranian Soil Science Conference. Tehran- Iran.
- **Landi, A.**, and M. Tahri. 2005. Using RS, GIS Systems and MPSIAC Model to produce Erosion Map and to Estimate Sedimentation. The Second National Conference on Watershed and Management of Soil and Water Resources. Kerman- Iran.
- **Landi, A.**, and M. Shahriari. 2006. Study of Contaminated Soils in ShiahRod Catchment area in Mazandaran province. Karaj- Iran.
- Rangzan, N., Payandeh, Kh., and **A. Landi**. 2006. Study of Quality of drainage Water on Accumulation of Heavy Metals in Sorgom and Clover. Karaj- Iran.
- Amerikhah, H., Chorom, M., and **Landi, A.**, and S. Jafari. 2006. Study of Land use Changes on Emission of GHS. Karaj- Iran.
- Payandeh, Kh., and **A. Landi**. 2006. Study of Soil Quality (Physical and Mineralogical Changes) under Rice Cultivation. 12<sup>th</sup> National Symposium of Rice. Rasht- Iran.
- Payandeh, Kh., and **A. Landi**. 2006. Study of Soil Quality (Chemical Changes) under Rice Cultivation. 12<sup>th</sup> National Symposium of Rice. Rasht- Iran.
- Taheri, M., and **A. Landi**. 2006. Using Remote Sensing GIS Techniques for production of Curve Number to Estimate Runoff. The First national Conference on Irrigation and Drainage Networks Management. Ahwaz- Iran.
- **Landi, A.**, and Kh. Payandeh. 2007. Investigation of Mineralogical and Geological Changes of Soils under Saturated conditions In Khuzestan Province. 2007. 10<sup>th</sup> Iranian Soil Science Conference. Karaj- Iran.
- Rahi, Gh., and **A. Landi**. 2007. Study of Physico-Chemical and Mineralogical Properties of Dehkoyeh Soils Based on Toposequence. 10<sup>th</sup> Iranian Soil Science Conference. Karaj- Iran.
- Zalaghi, R., and **A. Landi**. 2007. Investigation of Methane Emission from Summer Cultivation in south of Ahwaz. 10<sup>th</sup> Iranian Soil Science Conference. Karaj- Iran.
- Zalaghi, R., **Landi, A.**, and H. Amerikhah. 2007. Investigation of different land management on Carbon Sequestration. 10<sup>th</sup> Iranian Soil Science Conference. Karaj- Iran.
- Mehdipour, L., **Landi, A.**, and H. Amerikhah. 2007. Comparison of Diffeerent land use on CO<sub>2</sub> Emission in North of Khuzestan. 10<sup>th</sup> Iranian Soil Science Conference. Karaj- Iran.
- Zalaghi, R., and **A. Landi**. 2007. Investigation of Potential production and adsorption of Methane in Different Land use. 1<sup>st</sup> National Conference of World Environmental Day. Tehran- Iran.
- Madahei, Z., **Landi, A.**, and Gh. Zareian. 2007. Suitable Cultivation Pattern and Management based on Land Evaluation for Sepidan Plain. The Second National Symposium. Gorgan- Iran.
- Mehdipour, L., **Landi, A.**, and H. Amerikhah. 2008. investigation of CO<sub>2</sub> Emission from Citrus Gardens. The Second Symposium of Environmental Engineering. Tehran- Iran.
- **Landi, A.**, Sayadi, J., Barzegar, A., and A. Khademalrasool. 2008. Estimation of Erosion in Halijan Izeh Catchment Area Using WEPP Model and GIS. The 5<sup>th</sup> National Conference on watershed Management. Gorgan-Iran.
- Zalaghi, R., and **A. Landi**. 2008. Carbon Sequestration in Sustainable Agriculture a Way to Control Global Warming. 1<sup>st</sup> National Conference on Management and Development of Sustainable Agriculture in Iran. Ahwaz- Iran.
- Rangzan, N., and **A. Landi**. 2008. Influence of Clover on reduction of Contamination in Oil Contaminated Soils. The Third Iranian Congress on Environmental Crises and Their Rehabilitation Methodologies. Ahwaz- Iran.
- Ibrahimy, F., **Landi, A.**, Barzegar, A., and A. Zeinldeini..2009. Influence of Irrigation with Saline Water on Soil Salinity and Soil Profile Development. 11<sup>th</sup> Iranian Soil Science Conference. Gorgan- Iran
- Gohari, L., and **A. Landi**. 2009. Land Suitability Evaluation for Sugar Beet and Sesame in Southeast of Omidieh Based on Parametric Method. 11<sup>th</sup> Iranian Soil Science Conference.

- Gorgan- Iran. 11<sup>th</sup> Iranian Soil Science Conference. Gorgan- Iran.
- Yazdani, H., **Landi, A.**, and J. Banninemeh. 2009. Qualitive and Quantative Land suitability evaluation for Wheat and Potato in SabzAb Region. 11<sup>th</sup> Iranian Soil Science Conference. Gorgan- Iran.
  - Sayadi, J., **Landi, A.**, Barzegar, A., and A. Khademalrasool. 2009. Land Evaluation of Halijan Watershed Using FAO Model and Production of Land Use Map using GIS. National conference on Plant, Soil, Water, and Agriculture Mechanization. Dezful- Iran.
  - **Landi, A.** and M. Kafei. 2010. Affect of Cultivation period on Some Soil Quality Indexes. Soil Science Society of Canada Meeting. Saskatoon- Canada.
  - Esmizadeh, S., and **A. Landi**. 2010. Evaluating the Amount of Carbonic Greenhouse Gasses (GHGes) Emission from Rice Paddies and Carbon Balance. Soil Science Society of Canada Conference. Ssaskatoon- Canada.
  - Esmizadeh, S., **Landi, A.**, and Gilani. 2010. Evaluating the Amount of Carbonic Greenhouse Gasses (GHGes) Emission from Rice Paddies. 19<sup>th</sup> World Congress of Soil Science. Brisbane Australia.
  - Maleki, P., **Landi, A.**, Sayad, Gh. Baninemeh, and Gh. Zareian. 2010. Application of Fuzzy Logic to Land Suitability for Irrigated Wheat. 19<sup>th</sup> World Congress of Soil Science. Brisbane Australia.
  - Hojati, s., khademi, H. and **Landi, A.** 2010. Mineralogical changes and sequestration rates of dust particles in Jandagh-Koohrang elevation transect. Second National Conference on Wind Erosion and Dust Storms, Yazd University. Yazd-Iran.
  - Parsai Ghadrabadi, N., Sayyad, G.H., **Landi, A.**, Papen, P. 2010. Simulation of chloride movement in soil with silty loam texture in north Khuzestan, Third National Conference on Irrigation and Drainage Management, Shahid Chamran University of Ahvaz, Ahvaz-Iran.
  - Sobhaniannejad, L., Sayyad, G.H., Charkhabi, A.H and **Landi, A.** 2010. Investigation of compaction changes and land use type on aggregate stability in northwest of Khuzestan province, Second National Conference on Sustainable Agriculture and Development , Azad University - Shiraz Branch. Shiraz-Iran.
  - Hashemi Ghahfarkhi, S.S., **Landi, A.**, Khademi, H., Hojati, S. 2010. Evaluation of Pb and Cadmium Uptake Potentials in Three Soil Textures from Ahvaz, First National Conference on Strategies for Achieving Agriculture Sustainable, Payam Noor University of Ahvaz. Ahvaz-Iran.
  - Kianpourkholkhaja, Y., **Landi, A.**, Amerikha, H., Kiani, K. 2010. Qualitative Agroecology Zoning of Handijan Plain in Khuzestan Province for Wheat and Sorghum Aquaculture, First National Conference on Strategies for Achieving Sustainable Agriculture, Payam Noor University of Ahvaz. Ahvaz-Iran.
  - Sobhanian Nejad, L., Sayyad, G.H., Charkhabi, A.H., **Landi, A.**, Sadri, M. 2011. The Effect of Land Use Change in Northwest Khuzestan on Degradation of Some Important Qualitative Properties of Surface Soil, 12th Iranian Soil Science Congress, Tabriz University. Tabriz-Iran.
  - Ghannavati, G., **Landi, A.** 2011. QUALITATIVE AND QUANTITATIVE EVALUATION OF SHADEGAN AREA FOR WHEAT AND DATES CULTIVATION, 12th Iranian Soil Science Congress, Tabriz University. Tabriz-Iran.
  - Yarahmadi, F., **Landi, A.**, Asudar, M.A. 2011. Effect of tillage and irrigation methods on carbon dioxide emissions in wheat cultivation, 12th Iranian Soil Science Congress, University of Tabriz. Tabriz-Iran.
  - KianpourKalakhja, Y., **Landi, A.**, Amerikhah, H., Kiani, K. 2011. Agroecology Zoning of Handijan Plain in Khuzestan Province Using Remote Sensing and Geographic Information System, 12th Iranian Congress of Soil Science. University of Tabriz. Tabriz-Iran.
  - Farideh Yarahmad., **Landi, A.**, Asudar, M., Sabzehi, A. 2011. Effect of tillage systems and cultivation methods on irrigation water use in wheat cultivation, First National Congress of New Agricultural Science and Technologies University of Zanjan. Zanjan-Iran.
  - Yarahmadi, F., **Landi, A.**, Asudar, M.A., Sabzeh Kuhi, A. 2011. The Effect of Irrigation Methods on Soil Carbon Dioxide in Wheat Cultivation, Fifth National Conference and

- Exhibition of Environmental Engineering, University Tehran.Tehran-Iran.
- Zarea, M and **Landi, A.** 2012. Effects of Topography on soil genesis, morphological and mineralogical features and soil classification in part of Safashahr subbasin (South western Iran) , 8th international Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management".
  - **Landi, A., Riddle, W., Sinder, D.** 2012. Effects of dairy manure application on CO<sub>2</sub> flux and  $\delta^{13}\text{C}$  of soil respiration from a soil with carbonate, Soils under a changing climate: friend or foe, Soil Science Society of Canada. Canada.
  - Samiie, R., **Landi, A.**, Hojati, S., Pourreza, N. 2012. Investigation of the effect of pH on the adsorption isotherms of cadmium, zinc and cobalt from aqueous solutions by a sepiolite mineral sample of Iran, , first National Conference on Environmental Protection and Planning, Islamic Azad University, Hamadan Branch, Hamada-Iran.
  - Samiie, R., **Landi, A.**, Hojati, S., Pourreza, N. 2012. The effect of thermal pretreatment on the tendency of an Iranian sepiolite mineral sample for adsorption of cadmium, zinc and cobalt from aqueous solutions, 20th Iranian Conference on Crystallography and Mineralogy, Shahid Chamran University of Ahvaz. Ahvaz-Iran.
  - Beit Lafteh, R., Hojati, S., **Landi, A.**, Sayyad, G.H. Investigating some Characteristics of Segmented Dust Particles around Hooral Azim Wetland, 6th National Conference and Specialized Exhibition of Environmental Engineering, University of Tehran. Tehran-Iran.
  - Zare, M., Ferdowsi, Q., **Landi, A.**, Hojati, S. 2012. Evaluation of Land Resources in a Part of Hela River Watershed in Bushehr Province, Southwestern Iran, 8th international Soil Science Congress on " Land Degradation and Challenges in Sustainable Soil Management.
  - Barani, S., **Landi, A.**,Hojati, S., Papen, P. 2012. Qualitative Assessment and Preparation of Land Suitability Plans for Rice Using GIS in Izeh Plain, First conference Agriculture in difficult environmental conditions, Islamic Azad University - Ramhormoz Branch. Ramhormoz-Iran.
  - Shahriari, I., Delaware, A., **Landi, A.** 2013. Soil salinity mapping using GIS statistical methods (Case study: Dehgolan region of Kurdistan province), Second National Conference on Sustainable Agriculture and Environment, Shahid Mofatteh Technical School.
  - Delaware, A., Shahriari, I., **Landi, A.**, Shahriari, M. 2013. GIS Spatial Changes of Pb Element in Surface Soils Using Geostatistical Methods (Case Study: Andimeshk City), Second National Conference Sustainable Development of Agriculture and Healthy Environment, Shahid Mofteh Technical School. Iran.
  - Barati, E., **Landi, A.**, Hojati, S. 2013. The Impact of Different Cultivars and Land Uses on Soil Organic Carbon, Second National Conference on Sustainable Agriculture and Environment, Shahid Mofatteh Technical School. Iran.
  - Shahriari, E., **Landi, A.**, Delaware, A. 2013. Evaluation of geostatistical methods in estimation of hydraulic conductivity in soil, National Conference of Iranian Environmental Research, Shahid Mofatteh. Iran.
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- **Landi, A.** Preparing and developing of comprehensive training plan for crisis management in Khuzestan province from 2017-2022.
- **Landi, A.** Determination of effective particle size distribution and gravel cover efficiency for control of lands prone to wind erosion in the west of Khuzestan province.
- Zalaghi, R., Gilani, A., **Landi, A.** Investigation of the Effect of Different Rice Cultivars on Some Soil Biological Factors and Mycorrhizal Colonization Percentage in Khuzestan Province.
- Enayati Zamir, N., **Landi, A.** The ability of potassium soluble bacteria to increase wheat growth and potassium uptake in-glass conditions.
- **Landi, A.** Preparation of monolith from Iranian soils.
- Hojati, S., **Landi, A.** Application of Two Minerals of Sepiolite and Natural Zeolite of Iran to Remove Pollution of Some Heavy Metals from the Wastewater of Some Industrial Factories.
- Sayyad, G., **Landi, A.**, Hojati, S., Moezi, A., Bertina, H., Beit Lefteh, R., Hamadi, K., Arsham, A. The Balance of Huralazim Water and the Effect of Engineering Structures on the Quantity and Quality of Inlet Water.
- **Landi, A.** Investigation of Changes in Heat Distribution Profile in a Sand Column Affected by Different Mulches.s

## PROFESSIONAL MEMBERSHIPS:

- Soil Science Society of Canada. 1999-2001.
- Iranian Society of Soil Science. 2000 to present.
- International Society of Soil Science. 2005 to present.

## LANGUAGES:

**PERSIAN:** native language

**ENGLISH:** very good