



Name & Surname: Hadi Amerikhah

Date of Birth: 1981- Iran, Ahvaz

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

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PROFESSIONAL PROFILE:

Staff member of Soil Science in Shahid Chamran University (SCU) of Ahvaz

EDUCATION BACKGROUND:

MSc: Soil Science (2005), Shahid Chamran University of Ahvaz, Ahvaz, Iran

Thesis title: Application of DNDC Model for Estimating the Carbon Greenhouse Gases emission as Effect of Changing Landuse in South of AHVAZ

BSc: Soil Science Engineering (2003), Shahid Chamran University of Ahvaz, Ahvaz, Iran

TEACHING AND TRAINING EXPERIENCE:

Environmental assessment, computer basics, identification and preparation of soil map (theoretical and practical), cartography (theoretical and practical), land assessment, origin and classification of soils (practical), water quality and general soil science

HONOURS AND AWARDS:

Top researcher of Shahid Chamran University in 2005 in master's degree

Responsibilities and Research activities

Head of IT and Computer Systems and Network Management of the Faculty of Agriculture 2005 -2010-

Representative of the Faculty of Agriculture of Shahid Chamran University in the Environment Organization and Head of the University's Trusted Laboratory 2007-2009

Head of the Library and Soil Quality Laboratory of the Department of Soil Science 2009-2011

Reviewer of Journal of Agricultural Engineering (Shahid Chamran University of Ahvaz, SCU)

PUBLICATIONS:

Khademalrasoul, A., **Amerikhah**, H. 2020. Assessment of soil erosion patterns using RUSLE model and GIS tools (case study: the border of Khuzestan and Chaharmahal Province, Iran). *Modeling Earth System and Environment*. 10, 1-11.

Khademalrasoul, A., **Amerikhah**, H., Moezzi, A.A., Koraei, A. 2012. Effect of inoculation time on yield components of soybean in some Khuzestan calcareous soils. *Plant Production Technology*. BuAli Sina University. 1, 11-20.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. 2020. Modeling soil aggregate stability as an index of soil erodibility using geomorphometric parameters. *Journal of Agricultural Engineering*. 1, 45-60.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. 2020. Effects of Digital Elevation Model (DEM) spatial resolution on soil landscape analysis (case study: Raakat watershed of Izeh, Khuzestan Province). *Applied Soil Research*. 1, 121-135.

Shirjandi, Sh., Khademalrasoul, A., Moradi Sabbzkuhi, A., **Amerikhah**, H. 2020. Planning the optimum placement of Gabions using AHP and NSGA-II algorithm (case study: Emamzadeh watershed). *Agricultural Engineering*. 3, 315-330.

Neisi, H., Khademalrasoul, A., **Amerikhah**, H. 2021. Mapping of water erosion and deposition affected by different LS algorithms using WaTEM/SEDEM model. *Journal of Water and Soil*. 1, 67-82.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. 2021. modeling mean weight-diameter of soil aggregates based on vegetation indices in rangeland and forest land uses. *Journal of Water and Soil Conservation*. 27 (6), 201-214.

Khademalrasoul, A., **Amerikhah**, H., Saffarian, R. (2006) Simulation of off-site effects of erosion on sediment load of Maroon upstream using WEPP mathematical model. The first water conference, Behbahan University.

Khademalrasoul, A., **Amerikhah**, H., Moezzi, A.A. (2006) Evaluation of phytoremediation of plants for remediation of oil contaminated soils at oil sites in Khuzestan Province. *Soil, Environment and sustainable development*. Tehran University, Karaj, Iran.

Khademalrasoul, A., **Amerikhah**, H., Moezzi, A.A. (2007) Estimation of wind erosion using RWEQ model and comparison with IRIFR in Omidieh. The First National wind erosion congress. Yazd University, Yazd, Iran.

Khademalrasoul, A., **Amerikhah**, H., Chorom, M. (2007) Estimation of water erosion and deposition using WEPP computer model in the South East of Khuzestan. 10th Soil Science Congress of Iran.

Khademalrasoul, A. and **Amerikhah**, H. (2008) Investigation the Effect of conservational constructions on watershed quality index (WQI). The Fourth National Congress of Watershed Management Engineering. Faculty of Natural Resources of Tehran University. Tehran, Iran. 20- 21 Feb 2008.

Khademalrasoul, A., **Amerikhah**, H., Saffarian, R. (2008) Simulation of water quality from watersheds as effect of Management using SWAT Model. The Second National Conference of World Environmental Day. Tehran University, Tehran, Iran. 10-11 June 2008.

Khademalrasoul, A., **Amerikhah**, H., Khademalrasoul, A. (2010) Estimation of Sediment Load in Aala 's Baghmalek River with Integration of WEPP Model, GIS and Land Use. 8th International River Engineering Conference (8IREC) Shahid Chamran University 26-28th Jan 2010.

Amerikhah, H. and Khademalrasoul, A. (2010) Investigation of efficiency of watersheds BMPs on land improvement and reducing soil erosion and sediment load using WEPP model. 8th International River Engineering Conference (8IREC) Shahid Chamran University 26-28th Jan 2010.

Khademalrasoul, A., **Amerikhah**, H., Khademalrasoul, A. (2010) Determination of Air Permeability Coefficient (APC) of soil affected by organic treatments in calcareous soils in Khuzestan. The National Conference on Water, Soil, Plant Sciences and Agricultural Mechanization. Dezful-Iran, 2-3th march 2010.

Amerikhah, H. and Khademalrasoul, A. (2010) Investigation of efficiency of soil physical properties estimator models in Alluvial and young soils. The National Conference on Water, Soil, Plant Sciences and Agricultural Mechanization. Dezful-Iran, 2-3th march 2010.

Khademalrasoul, A. and **Amerikhah**, H. (2017) Geomorphometric investigation and prediction of water erosion in the Khuzestan 's Emamzadeh Abdullah watershed. 15th National Soil Congress of Iran. Isfahan.

Amerikhah, H. and Khademalrasoul, A. (2017) Evaluation of soil forming factors by analyzing geomorphometry data in the soils of the Khuzestan s Emamzadeh Abdullah watershed.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. (2018) Estimation of aggregate stability using topography factors. The first Notional conference of sustainable development in Agricultural Sciences and Natural Resources.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. (2018) Study the effect of DEM resolution on geomorphometric modeling of soil aggregate. The first Notional conference of development in Agricultural Sciences and Natural Resources.

Khanifar, J., Khademalrasoul, A., **Amerikhah**, H. (2019) Evaluation of DEM spatial resolution on soil properties and sediment transportation index (STI). The 11th international conference of River Engineering. Shahid Chamran University of Ahvaz, Ahvaz, Iran.

Neisi, H., Khademalrasoul, A., **Amerikhah**, H. (2019) Water erosion estimation using WaTEM/SEDEM model to select the best management practices (BMPs). The 11th international conference of River Engineering. Shahid Chamran University of Ahvaz, Ahvaz, Iran.

Khademalrasoul, A. and **Amerikhah**, H. (2019) Determination of Watershed Management Improvement Index using WEPP model based land suitability for soil erosion control. The 16th National Soil Congress, Zanjan, Iran.

Hadi Amerikhah , Atallah Khademalrasoul , F. Raduosefi and Lotfollah Abdollahi. (2008). Evaluation of the Fertilizer Management effects on Sugarcane Yield Components and Nitrogen Use Efficiency (NUE). 10th Congress of Agronomy Science and Plant Breeding of Iran. Karaj, Iran, 19-21th August 2008.

Comparison of multiple linear regressions and artificial intelligence-based modeling techniques for prediction the soil cation exchange capacity of Aridisols and Entisols in a semiarid region , yousef kianpou : First author, Roholla Rezae arshad : second author, Hadi **Amerikhah** : Third author, moslem sami : Fourth author, Journal Australian Journal of Agricultural Engineering , Journal Number 2 , Page 39 - 46 , Publisher SOUTHERN CROSS PUBL , 06-21-2012

Comparison of Surface and Drip Irrigation Methods Based on the Parametric Evaluation Approach in Terms of FAO Framework in Hendijan Plain , yousef

kianpou : First author,Hadi **Amerikhah** : second author,AHMAD LANDI : Third author, Journal Research Journal of Environmental and Earth Sciences , ۰۳, JournalNumber 3 , Page 230 - 236 , Publisher Maxwell Scientific Organization , 02-20-2012

MULTIPLE LINEAR REGRESSION, ARTIFICIAL NEURAL NETWORK (MLP, RBF) AND ANFIS MODELS FOR MODELING THE SATURATED HYDRAULIC CONDUCTIVITY OF TROPICAL REGION SOILS (A CASE STUDY: KHUZESTAN PROVINCE: SOUTHWEST IRAN) , yousef kianpou : First author,Roholla Rezae arshad : second author,Hadi **Amerikhah** : Third author,moslem sami : Fourth author, Journal International Journal of Agriculture: Research and Review , , JournalNumber 3 , Page 255 - 265 , Publisher , 02-19-2012

RESEARCH PROJECTS:

- Study of geomorphological water erosion in Emamzadeh Abdollah Watershed of Baghmalek
- Study of soil erosion variations affected by climate changes using ARIMA-RUSLE models
- Abdollahi , L. , **Amerikhah**, H. (2016) Comparing of different land evaluation models to determine the best crop rotation methods in Khuzestan province.Payamnoor University, Research Project.

BOOKS:

A guide book for "General Soil Science Book" by M. Varavipoor (Ph.D) for University Students of PNU.

PROFESSIONAL MEMBERSHIPS:

Member of National Soil Science Association

LANGUAGES:

Persian (native)

English (medium)