

## *Curriculum Vitae of Reza Ghazavi*



### **1. PERSONAL INFORMATION**

**Name:** Reza Ghazavi

**Address:** Faculty of Natural Resources, Dept. of Watershed management, University of Kashan, Kashan, Iran

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### **2. EDUCATION**

- **B.Sc.** Yazd University (Yazd, Iran) , Natural Resources (Range and Watershed Management) (1995)
- **M.Sc.** Tarbiat Modaress University (Tehran, Iran)

**Title of Thesis:** Comparison of calcareous and non-calcareous catchments in view of stream surface runoff and discharge.1997

Supervisor: Dr. Saeid Esalmian (Professor of Water resources Management)

- **PhD:** L'école nationale supérieure agronomique de Rennes et ENAR, 2008;  
Quantification Spatiale Et Temporelle De L'impact D'une Haie Sur Les Differents Termes  
Du Bilan Hydrique

Supervisor: Dr Phillipe Merrot, Professor

### 3. *Positions and Affiliations*

- Lecturer , Water Resources management, University of Shiraz, 1998-2008
- Assistant Professor of Water Resources management, University of Shiraz, 2008-2011
- Assistant Professor of Water Resources management, University of Kashan, 2011-2013
- Associate Professor of Water Resources management, 2013-Cont
- **Full professor of Water Resources management, 2021**

### 4. *Research Interests*

- Climate Changes
- Water Harvesting and reclamation
- Water Quality
- Watershed management
- Urban hydrology
- Groundwater and surface water Interaction
- Soil and water conservation
- Water harvesting

### 5. *Teaching Experiences*

**For undergraduate student**

Watershed management, Soil conservation, Soil and water Management, General Hydrology, Applied Hydrology, Meteorology and Climatology, Soil and water conservation

### For Graduate Student

Urban Hydrology, Advance Soil and water conservation, Un-conventional water reuse, Climate change in arid area, Flood management, Water quality, Water resources management in arid area,

### 6. supervisor of PhD students

<b>Student Name</b>	<b>Title of PhD thesis</b>	<i>Defense Date</i>
<b>Haidar Ebrahimi</b>	Investigation of the interaction impacts of groundwater over- exploitation and Doiraj dam construction on Mossian Aquifer	December 2016
<b>Mahdi zarie</b>	Investigation of multiple use potential in some true and facultative halophyte species: a case study (Northeastern city Aran Bidgol)	February 2017
<b>Ali Moafi</b>	Investigating the possibility of urban runoff harvesting and locating the suitable sites to store it (A Case Study: Zanzan City)	January 2018
<b>Sahar Babai</b>	Feasibility of using urban runoff in order to improve groundwater recharge (A case study: Urmia city)	?2018
<b>Rasol Imani</b>	Investigating the effects of low impact development techniques usage on quantity, quality and economical management of urban storm-water.	?2018
<b>Masood Samie</b>	Evaluation and Forecasting of Temporal and spatial trend of changes in Lake span and its effects on Quantity and quality of water and soil EC of the coastal area	?2018
<b>Abdolhossain Mohammadi</b>	Evaluation of the Ecohydrological effects of urban runoff wastewater application on Meyghan plain	?2019
<b>Foad Naserabadi</b>	Assessing the Impact of Water Demand and Supply Management Programs on Groundwater Status and Providing Effective Plans	?2019
<b>Mohsen Yosefi</b>	Investigation the impact of climate change and drought on rainfall pattern and maximum instantaneous peak flow in arid region	?2019
<b>Behnam Farid</b>	Effects of land use change and climate variability on groundwater- level change in arid and semi-arid environments (A case study: Masshad Plain Basin)	?2020
<b>Hossain Afshari</b>	?	?

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## 7. PUBLICATIONS

### *International Journal Papers*

Authors	Year	Journal	Title
Ebrahim Aghabeiki Arani · Seyed Abbas Hosseini · Saman Javadi · Reza Ghazavi	7 October 2022	Environmental Monitoring and Assessment	Field studies, ion analysis, and modeling of Kashan plain aquifer to predict the source of salinization
رضا قضاوی, عبدالحسین محمدی, روح اله میرزایی محمد آبادی	14/09/2021	Journal of Applied Research in Water and Wastewater (JARWW)	The Effects of Municipal Treated Wastewater and Sludge on Some Vegetative Characteristics of Nitraria Schoberi
سحر بابایی حصار, رضا قضاوی, مهدی عرفانیان	26/11/2021	GLOBAL NEST J	Quantifying the impact of urban runoff injection on groundwater enhancement in a semi-arid environment using SWMM and MOFLOW Model
رضا قضاوی, رسول ایمانی, اباذر اسمعیلی اوری	10/6/2020	ARAB J GEOSCI	Development and application of a new index-overlay method to assess urban runoff vulnerability to contamination (evaluation in the Ardabil city, Iran
محسن یوسفی ملکشاه, رضا قضاوی, سید جواد ساداتی نژاد	21/12/2019	ECOPERSIA	Evaluating the Effect of Climate Changes on Runoff and Maximum Flood Discharge in the Dry Area (Case Study: Tehran-Karaj Basin)
رضا قضاوی, رسول ایمانی, روح اله میرزایی محمد آبادی, بابک خیاط رستمی	6/13/2019	Int. J. Hydrology Science and Technology	Assessing the Efficiency of WRASTIC Method in Determining the Vulnerability of Surface Water Resources in Semi-Arid Region Using the NSFQI
محسن یوسفی ملکشاه, رضا قضاوی, سید جواد ساداتی نژاد	12/21/2019	ECOPERSIA	Evaluating the Effect of Climate Changes on Runoff and Maximum Flood Discharge in the Dry Area (Case Study: Tehran-Karaj Basin)
مسعود سمیعی, رضا قضاوی, عباسعلی ولی, محمد پاک پرور	3/16/2019	GLOBAL NEST J	Evaluation of the effect of land use change on runoff using supervised classified satellite data
مسعود سمیعی, رضا قضاوی, محمد پاکپرور, عباسعلی ولی	10/11/2018	Desert	Mapping spatial variability of soil salinity in a coastal area located in an arid environment using geostatistical and correlation methods based on the satellite data

رضا قضاوی, حیدر ابراهیمی	1/11/2018	Desert Ecosystem Engineering Journal	Hydrological Impacts of Large Reservoir Dam and Land Subsidence on Downstream Groundwater Resources using Mathematical Modeling
علی معافی رابری, رضا قضاوی	6/11/2018	WATER ENVIRON RES	Urban Flood Estimation and Evaluation of the Performance of an Urban Drainage System in a Semi-Arid Urban Area Using SWMM
رضا قضاوی, سحر بابایی حصار, مهدی عرفانیان	6/11/2018	WATER RESOUR MANAG	Recharge Wells Site Selection for Artificial Groundwater Recharge in an Urban Area Using Fuzzy Logic Technique
سحر بابایی حصار, رضا قضاوی, مهدی عرفانیان	2/11/2018	PHYS CHEM EARTH	Urban flood simulation and prioritization of critical urban sub-catchments using SWMM model and PROMETHEE II approach
رضا قضاوی, حیدر ابراهیمی	8/11/2018	Ecopersia	Estimation of Artificial Groundwater Recharge by Flood Water Spreading System in an Arid Region Using Inverse Modeling and SCS Method; A case Study of Mosian Plain
رضا قضاوی, علی البوعلی	12/11/2017	Biological Forum – An International Journal	Impacts of Climate Variation and Groundwater Declination on Groundwater Quality in an Arid Environment
رضا قضاوی, سید جواد ساداتی نژاد	6/11/2017	Journal of Biodiversity and Environmental Sciences	Mitigation of the groundwater stresses via surface water harvesting in an arid environment

1. **Ghazavi Reza**, Ali Moafi Rabori and Mohsen Ahadnejad Reveshty, 2017. The effects of rainfall intensity-duration-frequency curves reformation on urban flood characteristics in semi-arid environment. ECOPERSIA. Article 6, Volume 5, Issue 2, Spring 2017, Page 1799-1813
2. **Ghazavi Reza**, Ali Moafi Rabori and Mohsen Ahadnejad Reveshty, 2017. Sensitivity analysis of SWMM model parameters for urban runoff estimation in semi-arid area. Journal of Biodiversity and Environmental Sciences (JBES) Vol. 10, No. 5, p. 284-294.
3. Ebrahimi Hydar, **Ghazavi Reza** and Haji Karim. 2016. Estimation of Groundwater Recharge from the Rainfall and Irrigation in an Arid Environment Using Inverse Modeling Approach and RS. Water Resour Manage. 30:1939–1951.

4. Zarei Mehdi, **Ghazavi Reza**, Vali Abbasali and Abdollah Khodayar.2016. Estimating Groundwater Recharge, Evapotranspiration and Surface Runoff using Land-use data: A Case Study in Northeast Iran. *Biological Forum – An International Journal* 8(2): 196-202.
5. Vali Abbas Ali, Erahimi Khusfi zohre, Khosroshahi Mohammah, **Ghazavi Reza**.2016. Land use change detection using GIS and RS techniques casestudy: The South east of Zayanderood Basin, Esfahan, Iran . *Journal of Biodiversity and Environmental Sciences (JBES)* 8( 6). 87-100.
6. **Ghazavi Reza**, Ebrahimi Hydar.2016. Impacts of land-use change on groundwater resources using remote sensing and numerical modeling. *Journal of Biodiversity and Environmental Sciences* .9(4): 149-157.
7. **Ghazavi Reza**, Ebrahimi Hydar.2016. Impacts of land-use change on groundwater resources using remote sensing and numerical modeling. *Journal of Biodiversity and Environmental Sciences* .9(4): 149-157.
8. **Ghazavi R**, Ebrahimi Z. 2015. Assessing groundwater vulnerability to contamination in an arid environment using DRASTIC and GOD models. *International Journal of Environmental Science and Technology*.12:29090-2918. DOI [10.1007/s13762-015-0813-2](https://doi.org/10.1007/s13762-015-0813-2).
9. **Ghazavi Reza**. 2015.The application effects of natural zeolite on soil runoff, soil drainage and some chemical soil properties in arid land area. *International Journal of Innovation and Applied Studies*.13: 172-177.
10. **Ghazavi R**.2014. Identification and classification of suitable water recharging/ harvesting site in an arid environments area using GIS application. *Journal of Middle East Applied Science and Technology*. Issue 13(3), Vol .6, Issue 13(3), Vol .6.
11. Mirzavand M., **Ghazavi R**.2014. A Stochastic Modelling Technique for Groundwater Level Forecasting in an Arid Environment Using Time Series Methods. *Water Resources Management*. DOI [10.1007/s11269-014-0875-9](https://doi.org/10.1007/s11269-014-0875-9).

12. **Ghazavi R.** 2014. Flood Zone Investigation and soil erosion potential mapping in Kahsan watershed using GIS” Journal of Middle East Applied Science and Technology. Issue 13(3), Vol .6.
13. Zebarjadi H., **Ghazavi R.** 2014. The role of land use, lithological units and the slope of the gully erosion . Journal of Middle East Applied Science and Technology.11 (3): **289-295.**
14. Fazeli Farsani A, Farzaneh M. R, **Ghazavi R**, Iman Fazeli Farsani.2014. Statistical downscaling of daily mean temperature in Shahrekord Station, Iran: an assessment of climate change impacts in a semiarid region. Journal of Middle East Applied Science and Technology. 23(2): pp. 124-129.
15. **Ghazavi R.**, VAli A.B.2013. The effect of planted saltbush (*Atriplex lentiformis*) on edaphic factors in grazed and ungrazed area. International Journal of Natural Resources and Marine Sciences.2:113-122.
16. **Ghazavi R.**, VAli A.B.and S eslamian.2012. Impact of flood spreading on infiltration rate and soil properties. Water resources management. 1651-1663.
17. **Ghazavi R.**, VAli A.B.2012. Changes in soil properties and vegetation cover in an arid environment re-vegetated with *Atriplex lentiformis*. Journal of Arid Land reserch .26:355-365.
18. Thomas Z. **Ghazav R.** Merot P. Granier A..2012. Modelling and observation of hedgerow transpiration effect on water balance components at the hillslope scale in Brittany.26:4001-4014.
19. **Ghazavi R.**, VAli A.B. Ghasemi R, and S eslamian, 2011. Soil physicochemical properties and vegetation pattern in an arid environment affected by a diapiric salt dom. African Journal of Agricultural Research .6(26):5761-5768.
20. **Ghazavi. R.**, Z. Thomas, Y. Hamon, P. Merot1. 2011. Soil water movement under a bottomland hedgerow during contrasting meteorological conditions. Hydrol. Process.25: 1431-1442.

21. **Ghazavi. R**, Vali Ab ., Ghasemiphassai R and Eslamian S.2011. Soil physicochemical properties and vegetation pattern in an arid environment affected by a salt diaper .26:5761-5763.
22. **Ghazavi, R.**, Vali, A. B. and S. S. Eslamian, 2010, Impact of flood spreading on infiltration rate and soil properties in an arid environment, Water Resources Management, Vol. 24, No. 11, 2781-2793.
23. **Ghazavi R.**, Z. Thomas, Y. Hamon, J. C. Marie, M. Corson, and P. Merot.2008. Hedgerow impacts on soil-water transfer due to rainfall interception and root-water uptake. Hydrol. Process. 22(24):4723-4735.

#### **National Journal Paper**

1. Ibrahimi Zohreh, Valia Abasali, Khosroshahi Mohammad, **Ghazavi Reza** .2017. Investigation on the role of dryland wetland on the production of internal dust using Landsat and Wind Flower images. Pasture and Desert Research. 2017. (In perssian)
2. **Ghazavi Reza**, Arast Mina .2017. The Effect of Refined Sewage Treatment on Some Physical and Chemical Properties of Fodder Corn. Journal of Environmental Science and Technology.
3. Sadeghi Seyyed Hadi, Alebouali Ali, **Ghazavi Reza** .2016. Investigating the temporal and spatial trend of water quality parameters changes in Kashan plain using statistical methods. Journal of Agricultural Science and Technology, Water Sciences. No. 76: 73-83.
4. Imani Rasool, **Ghazavi Reza** .2016. Investigating the Impact of Urban Development on the Quantity and Quality of the Water of the Balkhlouh Chay River of Ardebil. Geography and urbanization. 21: 33-46.
5. Aleboali Ali, **Ghazavi Reza**, Sadatinejad Javad .2016. Investigating the Effects of Drought on Groundwater Resources Using the SPI Index. A Case Study: Kashan Plain. Journal of the Ecosystem of the Desert. 10: 13-22.



6. Fatemeh Einloo, Ali Moafi Rabari, Arash Malekian, **Reza Ghazavi**, Mohsen Mohseni Saravi.2016. Study of the groundwater quality in Zanzan plain in terms of drinking standards using geostatistical approach. Journal of Geography and Environmental Planning, 62: 1-16.
  
7. Leila Fazel Dehkordi, Tayebbeh Sadat Sohrabi, Mohammad Hossein Ghanawisbaf, **Reza Ghazavi** .2016. Drought Monitoring Using MODIS Sensor Images (MODIS) in Dry.A Areas Case Study of Isfahan Province Rangelands).Journal of Geography and Environmental Planning,63: 1-17.
  
8. Zabbardi Hasan, Sadaty Hamid, **Ghazavi Reza** .2016. Groundwater quality zoning using Geostatistical methods. Case study: Razan-Ghahavand Plain. Water Resources Development and Development. 1 (13) 34-46.
  
9. Zebbar Jeddi Hassan, **Ghazavi Reza** .2016. Evaluation of the Groundwater Level Changes Using Geostatistical Methods (A Case Study: Kabootarahang Plain. 2 (14) 7-15.
  
10. **Ghazavi Reza**, Arast Mina. 2016. Evaluation of the effect of irrigation with urban wastewater on the accumulation of some chemical elements in the plant and the ecological characteristics of the Eucalyptus threes. Journal of "Protecting the Ecosystem of Plants. Volume Four, Issue 8, 22-15.
  
11. Abbasali Vali, Zohreh Ebrahimi, Mohammad Khosroshahi, **Reza Ghazavi**. 2016. Determination of the importance of the effects of several hydrochemical parameters on the drying of Gavkhuni wetland using artificial neural network and remote sensing data.Journal of Desert Ecosystem, ( 12): 79-9.

12. KhodematAl-Rasul Zahra, **Ghazavi Reza** and Seyyed Hojat Mousavi. 2016. Feasibility Study of Sustainable Development of Desert Ecotourism in Shiraz Desert. Journal of Rangeland and Desert Research of Iran. 23 (1) 79-70.
13. Zabardzhy H, Sadatti H, **Ghazavi R**, 2016. Groundwater quality zoning of Razan-Ghahavand Plain using geostatistical methods. International Journal of Water Resources and Development. 13:34-46.
14. Fazli Farsani Arash, **Ghazavi Reza**, Farzaneh Mohammad Reza.2015. Study of the Functioning of Land Use Classification Algorithms Using Image Integration Techniques (Case Study: Behesh Abad Sub-Area, Journal of Remote Sensing Utilization And GIS in natural resources sciences): 6 (1) .91-105.
15. Soleimani Sardou Mojtaba, Fatemeh Ranjbar Fredoi, Abolfazl, Ghazavi Reza and Vali Abbasali .2015. Evaluating and preparing a sensitivity map of desertification areas using the ESA method .. Case study: Yazd plain - Ardakan plain). Journal of Water and Soil Conservation Studies Volume Twenty-Two, Number II.191-204.
16. Babaei Sahar, Ghazavi Reza, 2014. Comparison of time series models and artificial neural network with the results of propagation scenarios in rain forecasting. Journal of Water and Soil Science. (4) 953-943.
17. Soleimani Mojtaba, Vali Abbasali, Ghazavi Reza, Saeedi Hamid Reza .2014. Analyzing and Routing of Water Quality Parameters. Scientific Journal of Irrigation and Water Engineering. Iran. (12) 98-105.
18. Shekari Mohammad Reza, Sadatinejad Seyed Javad, Vali Abbasali, Ghasemieh Hadi, **Ghazavi Reza** .2014. Application of the Artificial Neural Network Method for Estimating Wind Sediments. Environmental Erosion Research. 58-73.

19. **Ghazavi Reza** .2013. The application effects of natural zeolite at early stages of plant growth for two rangeland species ( Ziziphose Spina christiand Acacia Salicina ) under drought stresses. Journal of Khashkaboom. 3(2):1-5.
  
20. **Ghazavi Reza**, Ebrahimi Khosfi Zohreh, Ekhtesasi Mohammad Reza, Hosseini Zinelabedin, Ebrahimi Khosfi Mohsen, Mohesenzadeh Naghavi Mohammad Hassan .2013. Comparison of Different Regression Methods in Identifying Desertification morphology Based on the Relationships between Soil Component and Satellite Data .Abarkuh Plain - Yazd Province. Journal of Geography and Urban Planning (9): 111-121.
  
21. **Ghazavi Reza**, Yazdani Moghadam Yaghoub, Vali Abasali, Sadatinejad Javad. 2013. Water harvesting zoning by Geographic Information System (A Case Study of Kashan plain). Geography and Environmental Planning.58(12):85-96
  
22. Yazdani Moghaddam Yaghoub, Vali Abasali, **Ghazavi Reza**. 2013. Study of Land Statistics Methods in Qualitative Zoning of Groundwater Resources. (A Case Study: Kashan City). Journal of Geography and Environmental Planning.25(3):171-184
  
23. Zohreh Ebrahimi, Abbasali Vali, **Reza Ghazavi**, Hamed Haghparast 1391. Investigating the effect of soil texture and geometric mean of particle diameter on the spectral response of soil surface (Case study: part of Yazd desert). Journal of Geomorphology Researches in Iran 115 – 128.
  
24. Abbas Ali Vali, Mohammad Hossein Ramesht, Abdollah Seif, **Reza Ghazavi**. 2012. Comparison of the Efficiency of Artificial Neural Networks and Regression Models to Determine Sediment Flow (A Case Study : Samandgan Basin. Journal of Geography and Environmental Planning in Iran 4: 19-34.

25. Sadatinejad Seyyed Javad, Zarepour Hadi, **Ghazavi Reza**, Vali Abbasali. 2012. Investigation of the effects of wind turbine on some physical, chemical and soil moisture properties in arid regions and its effect on soil erodibility (A Case study: desert lands of Aran and Bidgol). Iranian Environmental Erosion Researches. (2) 53-62.
26. **Ghazavi Reza**, Valia Abasali, Mohammad Esmaili Majid. 2011. Effect of construction of check dams on the flow morphology and water resources sediment deposition Iranian journal of water Resources.9.229-232.
27. Maghami Yasser, **Ghazavi Reza**, Vali Abbasali, Sharafi Siamak .2010. Drinking water quality zoning via different interpolation methods and Sholders chart in GIS environment. "A case study: Abadeh city. Journal of Geography and Environmental Planning. 171-182
28. Ghazavi Reza, Vali Abbasali, Maghami Yasser .2010. Evaluation of EPM, MPSIAC and PSIAC Models for Estimating Erosion and Sediment Using GIS. Geography and Development.
29. Mohammad Esmaili Majid, **Ghazavi Reza**, Fathizadeh Mohsen. 2009. The Effects of Geographical Factors on Seed germination. Agricultural Sciences and Natural Resources.7:12-25.
30. **Ghazavi Reza**, Vali Abasali, Mohammad Esmaili Majid .2010. Investigating the Effect of Hedge Planting on Some Hydraulic Characteristics of Soil. Iranian Water Resources.
31. Mohammad Esmaili, Majid; Biyabani Abbas Ali; Akbarlou Mosa; **Ghazavi Reza**. 2010. Effect of Seed Varieties on Forage Production and Seed Function of Two Rangeland Species. Rangeland Research Journal.3:441-434.

### **Conference Paper**

**Reza Ghazavi** ,Narges Seghazadeh.2016. The Role of Natural Resources in Water Resources Management. International Conference on Agriculture, Environment and Natural Resources in the third millennium.

**Reza Ghazavi** , Narges Soghazadeh , Omid Asadi Nilianan.2016. Introduction of Watershed Management for Watersheds. . Eleventh National Conference on Watershed Management in Iran. Pp.8.

**Reza Ghazavi** , Narges Seghazadeh , Omid Asadi Nilian.2016. Estimation of discharge using experimental methods. Eleventh National Conference on Watershed Management in Iran.p.p. 7.

**Reza Ghazavi** , Masoud Samii. 2016. Calibration and Validation of Experimental Methods for Estimating Runoff in a Watershed (Case Study: Cam Fars Province). p.p. 9.

Rasool Imani , **Reza Ghazavi** ,Roohollah Mirzaei , Aref Anvar.2016. Estimation of the sensitivity of surface water pollution using the WRASTIC index (Case study: Givi Dam . Ardebil). First International Conference on Water, Environment and Sustainable Development. P.p.10.

Rasoul Imani , **Reza Ghazavi** , Roohollah Mirzaei , Aref Anvar. 2016. Estimation of Surface Water Pollution Sensitivity Using USGS Index (Case Study: Givi Dam Dam Basin, Ardebil). . The 2nd International Congress on Land, Space and Clean Energy, focusing on natural resource management, agriculture and sustainable development. Pages 14.

Abbas Ghaffari Corner , **Reza Ghazavi**, Javad Ghaffari.2015. Investigation of the Climate Indicators in Climate Change Conditions Using the LARS-WG Model (Case Study: Shahrekord Plain Basin). International Conference on Agriculture, Environment and Tourism. Pages 12.

Rasoul Imani ,Ali Albaali , **Reza Ghazavi** .2015. Saturation Moisture and Soil Capacity Zoning Using Transitional Functions and Land Statistics Method in Balkhlochai Basin. The 2nd National Conference on Water, Human and Earth. Pages 10.

Majid Ramezani Sarbandi , **Reza Ghazavi** , Seyyed Mostafa Mortazavi .2015. Provide management plan for exploitation of groundwater resources based on the potential of aquifer contamination (Case study of Rafsanjan Plain). International Conference on Environment and Natural Resources. p 5.

Majid Ramezani Sarbandi , **Reza Ghazavi** , Siamak Dokhani. 2015. Management of Groundwater Pollution Reduction Using Water Resource Potential . International Conference on Environment and Natural Resources. Pages 7.

Abbas Ghaffari , **Reza Ghazavi** , Siamak Dokhani , Jafar Ghaffari Corner. 2015. Application of SWAT model in basin runoff estimation in future periods affected by climate change. Second International Conference on Environment and Natural Resources. Pages 6.

Omid Moradi, Kamran Chipi, **Reza Ghazavi** .2014. The Effect of Climate Change on Economic and Social Indicators of Watershed in Sanandaj. National Conference on Climate Change and Engineering for Sustainable Development of Agriculture and Natural Resources. P. 22.

Zahra Khademat Al Rasoul, **Reza Ghazavi** , Seyyed Hojjat Mousavi.2014. Study of Ecotourism Potential of Flower Field. First National Conference on Tourism and Green Tourism. P. 12.

Hassan ZabbarJedi, **Reza Ghazavi**, Mohsen Shah Abadi , Adel Zarei .2014. Investigating the Gully erosion potential using hydrothermal climate coefficients and soil moisture deficit (Case study: Ghahrood watershed in Hamadan). Second National Conference on Agriculture and Sustainable Natural Resources. Pages 8.

Fazli Farsani Arash, **Ghazavi Reza**, Farzaneh Mohammad Reza .2013. The effect of climate change on temperature increase at synoptic station in Shahrekord. First National Agricultural and Sustainable Natural Resources Conference. Tehran, Iran.

**Ghazavi Reza**, Zarbeedi Hasan .2013. Investigating the role of land use, lithology and land plots

in gully erosion. The first conference on environment, energy, and biological protection. Tehran. Iran.

Fazeli Farsani Arash, **Ghazavi Reza**, Bagheri Mohammad Hossein, Fazli Farsani Iman .2013. Estimation of the accuracy of most similarity algorithms and backup carriers in estimating land use using remote sensing. First National Agricultural and Sustainable Natural Resources Conference.

**Ghazavi R**, Vali A.2010. Modulation of Wind Sedimentation on Geomorphic Slopes Levels "Second National Conference on Wind Erosion and Dust Storm in Yazd University. Yazd, Iran

**Ghazavi R**, Vali AB, Mousavi, S. 2010. Evaluation of Allometric Relations Between Morphometric Parameters of Barkhan Hills "Second National Conference on Wind Erosion and Dust Storm in Yazd University. Yazd. Iran.

**Ghazavi R**, Sadatinejad, S.J., Valie A., Zarepour.I. 2010. Study of the effects of wind turbines on some physical and chemical properties and soil moisture in arid areas and its performance on soil erodibility . The second national conference on wind erosion and Dust storms. Yazd university.

**Ghazavi R**, Vali A. 2011. Utilization of Environmental Capabilities in Urban and Rural Areas for the Management of Water Resources and Sustainable Development "The First Urban Sustainable Development Conference of Guilan University.

**Ghazavi R**, Vali A "Impact of planted belt trees on desertification processes in an arid environment. " 6th International Congress of ESSC (2011).Greece.

Vali A, **Ghazavi R** "Geomorphic modeling suspended sediment yield of river system by radial neural network. " 6th International Congress of ESSC (2011). Greece.

**Ghazavi R**, Vali A "Soil physicochemical properties and vegetation cover in an arid environment revegetated with Atriplex " 6th international congress of ESSC (2011). Greece.

**Ghazavi R**, Vali A "Impact of planted Atriplex on soil properties and soil compaction" 6th International Congress of ESSC (2011).Greece.

**Ghazavi R**, Vali A "Soil degradation and desertification in an arid environment affected by a salt diaper " 6th International Congress of ESSC (2011).Greece.

Vali A, **Ghazavi R** "Artificial neural networks simulation of groundwater level in a flood spreading system " 6th International Congress of ESSC (2011).Greece.

**Ghazavi R**, Vali .A.B . Ghasemi,R. 2010 Investigation the impact of flood spreading project on groundwater level. The first international Applied Geology Conferance .Mashad. Iran

Vali .A.B , **Ghazavi R**,Ghasemi R .2010.Study on geomorphology dynamic of limeston. The first international Applied Geology Conferance .Mashad. Iran

**Ghazavi R**, Vali A.B.2010. the 4 end National conference in erosion and sediment.. Investigation the impact of hedgerow on some physical and hydro- dynamical soil properties . Iran. Tarbiat modares University.

**Ghazavi R** ,2009. Impact of flood spreading on infiltration rate and soil properties in an arid environment. 8th IAHS SCIENTIFIC ASSEMBLY&37th IAH CONGRESS. 6-12 September,2009 Hyderabad, India

THOMAS Z., **Ghazavi R (Gh)**. MEROT P.2009.Spatial and temporal variations of water balance components due to a bottomland hedgerow. Geophysical Research Abstracts, Vol. 11, EGU2009-0. EGU General Assembly.



Thomas z, **Ghazavi R**. Grimadi C, and merot P.2008.A new method to sample vertically groundwater from pumping wells based on hydraulic characteristics .USA

**Ghazavi R**, Thomas Z et Merot Ph.2007. Relationship between soil-water content and hedgerow root-distribution pattern in the unsaturated zone. European Geosciences Union , Vienne, Autrish  
Thomas Z , **R**.and Merot P. 2007. Hedgerow impact on rainfall distribution, groundwater level and soil water transfer. European Geosciences Union , Vienne, Autrish

Thomas Z **R .Ghazavi**.Merot P.2007.How to interaction between hedgerow network and bottomland control groundwater recharge and discharge. Geophysical research abstract. European Geosciences Union.

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