



RESUME(C.V.)
Hamid Reza Moradi

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I- Personal Information

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Date of birth: 1961

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II- Educational Records

Degree	Institution	Field	Date
1- B.Sc.:	TehranUniversity	Geography	1991
2- M.Sc.:	TarbiatModarresUniversity	Natural Geography	1995
3- Ph.D.:	TarbiatModarresUniversity	Natural Geography	2001

III- Academic Experiences

2- Instructor, EmamHossinUniversity, Tehran, Iran, since 1998 to 2001.

3- Assistant Professor, TarbiatModarresUniversity, Tehran, Iran, since 2001.

IV- Membership of Scientific Societies

1- Member of Iranian Watershed Society, since 2001.

2- Member of Iranian Remote Sensing Society, since 1999

2- Member of Range & Watershed Specialist Committee, College, of Natural
Resources, TarbiatModarresUniversity, since 2001.

V- Research Interests

1) Drought & Combating Desertification

2) Applied GIS & RS in Natural Resources

3) Quaternary

VI- RESEARCH PUBLICATIONS:

- Indexed Papers (ISI, Scopus, English Journals)

1- Behzadfar, M. **Moradi, H.R.** Sadeghi, S.H.R. Modeling Rainfall Erosivity Factor for Single Showers (A Case Study in Khosestan Province, Iran) *The Journal of Humanities*, V12, 2005. pp 41-49.

2- Tohidi Moghaddam, H. **Moradi, H.R.** Esmaili Sari, A. Saptarshi, P.G. Najafi, A. The Effect of Training and Community Based Management on Earthquake Impacts on Environmental Resources, *Journal of Environmental Science and Engineering*, Volume 4, No 9, Sep 2010, p 70-77.

3- **Moradi, H.R.** Asaadi A.M. Arzani, H. Study and Comparing the Soil use and Soil Capability in Asaadly Watershed Using GIS, *International Journal of Ecological Economics & Statistics (IJEES)*, No. W11, 2011.

4- **Moradi, H.R.** Rajabi, M. Faragzadeh, M. Investigation of meteorological drought characteristics in Fars province, Iran, *Journal Catena*, 2011, N. 84, P 35-46.

5- **Moradi, H.R.** Fazelpur, M.R. Sadeghi, H.R. Assessing Land Use Changes in Ardakan Area Using Remote Sensing. *Journal of Geography and Regional Planning*, 2011, Vol. 4(2). P 77-86.

6- **Moradi, H.R.** Saidian, H. Comparing the most important factors in the erosion and sediment production in different land uses (Case study: Gachsaran and Aghajari formations), *Journal of Environmental Science and Engineering*, 2010, No.11, Vol. 4. P 1-12.

7- Pourghasemi, H.R. **Moradi, H.R.** Fatemi Aghda, S.M. Gokceoglu, C. Pradhan, B. GIS-based landslide susceptibility mapping with probabilistic likelihood ratio and spatial multi-criteria evaluation models (North of Tehran, Iran), *Arabian Journal Geoscience*, No. W11, 2013.

8- Pourghasemi, H.R. **Moradi, H.R.** Fatemi Aghda, S.M. Landslide susceptibility mapping by binary logistic regression, analytical hierarchy process, and statistical Index models and assessment of their performances. *Nat Hazards*, DOI 10.1007/s11069-013-0728- 5, 2013. 69:749–779

9- M. Mohammady & **H. R. Moradi** & H. Zeinivand & A. J. A. M. Temme & H. R. Pourghasemi & H. Alizadeh. Validating gap-filling of Landsat ETM+ satellite images in the Golestan Province, Iran, *Arabian Journal Geoscience*, 7: 3633-3638. DOI 10.1007/s12517-013-0967-5, 2014.

10- Shirmohammadi, B., **Moradi, H.R.**, Moosavi, V., Taie Semiromi, M., Zeinali, A., 2013. Forecasting of meteorological drought using Wavelet- ANFIS hybrid model for different time steps (case study: southeastern part of east Azerbaijan province, Iran), *Nat Hazards*, 69: 386-402. DOI 10.1007/s11069-013-0716-9.

11- Pourghasemi, H.R. **Moradi, H.R.** Fatemi Aghda, S.M. Sezer, E. A. Goli Jirandeh. A. Pradhan, B. Assessment of fractal dimension and geometrical characteristics of the

landslides identified in North of Tehran, Iran, Environmental Earth Sciences, DOI 10.1007/s12665-013-2753-9, 2013.

12- Moosavi, V. Fallah Shamsi, S.R. **Moradi, H.R.** Shirmohammadi, B. Application of Taguchi method to satellite image fusion for object-oriented mapping of Barchan dunes, Geosciences Journal, DOI 10.1007/s12303-013-0044-9, 2013.

13- Bashari, M. **Moradi, H.R.** Kheirkhah, M.M. Jafari Khaledi, M. Temporal Variations of Runoff and Sediment in Different Soil Clay Contents Using Simulated Conditions, Soil and water research, 8, 2013 (3): 124-132.

14- Pourghasemi, H. R., Pradhan, B., Gokceoglu, C., Mohammadi, M., **Moradi, H.R.**, (2013) Application of weights-of-evidence and certainty factor models and their comparison in landslide susceptibility mapping at Haraz watershed, Iran. Arabian Journal of Geoscience, 6 (7), 2351-2365. doi: 10.1007/s12517-012-0532-7

15- Taie Semiromi, S., **Moradi, H.R.**, Davoudi Moghaddam, D., Khodaghali, M. 2014. Future Climate Conditions and Trend Analysis of Precipitation and Temperature in Bar Watershed, Iran. Journal of Scientific Research & Reports, 3 (15),2037-2054.

16- Moosavi, V. **Moradi, H.R.** Fallah Shamsi, S.R. Shirmohammadi, B., Assessment of the planimetric morphology of barchan dunes. Catena, 120, 2014: 12-19.

17- S. Shokrollahi, **H. R. Moradi**, G. A. Dianati Tilaki, and M. Atghaei. Synecology of Semi-Steppe Vegetation in Relation to Some Ecological Factors in Polour Rangelands of Mazandaran Province, Iran, Ecopersia, 2014, 2 (1), 471-483.

18- S. Aghabigi Amin, **H. R. Moradi**, and B. Fattahi. Sediment and Runoff Measurement in Different Rangeland Vegetation Types using Rainfall Simulator, Ecopersia, 2014, 2 (2), 525-538.

19- Azari, M. **Moradi, H.R.** Saghafian, B. Faramarzi, M. 2014. Climate change impacts on streamflow and sediment yield in the North of Iran. Hydrological Sciences Journal, <http://dx.doi.org/10.1080/02626667.967695>.

20- Chezgi, J., Pourghasemi H.R., Naghibi, S.A., **Moradi, H. R.**, Kheirkhah Zarkesh.. M. Assessment of a spatial multi-criteria evaluation to site selection underground dams in the Alborz Province, Iran, Geocarto International, 31:6, 628-646, doi=10.1080/10106049.2015.1073366.

21- M. Mohammady., **H. R. Moradi.**, H. Zeinivand., A. J. A. M. Temme. A comparison of supervised, unsupervised and synthetic land use classification methods in the north of Iran, Int. J. Environ. Sci. and Technology, 12: 1515-1526. DOI 10.1007/s13762-014-0728-3, 2015.

- 22- S. Yousefi., **H. R. Moradi** ., A. Telvari., M. Vafakhah. Monitoring of fluvial systems using RS and GIS (Case study: Talar River, Iran). *Journal of Selçuk University Natural and Applied Science*, 4(2), 2015:60-72
- 23- S. Yousefi., **H. R. Moradi**., J. Boll., S. Schönbrodt-Stitt. Effects of road construction on soil degradation and nutrient transport in Caspian Hyrcanian mixed forests. *Geoderma*, 284, 2016. 103-112.
- 24- **Moradi, H,R.** Abbaspour, K., June 2017. Climate Change Impacts on Surface Runoff in the Hyrcanian Forests. *International Journal of Engineering and Technical Research (IJETR)*. ISSN: 2321-0869 (O) 2454-4698 (P) Volume-7, Issue-6.
- 25- Yousefi. S., **Moradi . H. R.**, Pourghasemi. H. R., Khatami. R. 2018. Assessment of floodplain landuse and channel morphology within meandering reach of the Talar River in Iran using GIS and aerial photographs. *Geocarto International*, 33:12, 1367-1380, <http://DOI.org/10.1080/10106049.2017.1353645>.
- 26- M. Mohammdy.,**H. R. Moradi**., H. Zeinivand., A. J. A. M. Temme., M.R. Yazdani., H.R. Pourghasemi. 2018. Modeling and assessing the effects of land use changes on runoff generation with the CLUE-s and WetSpa models, *Theor Appl Climatology*, 133. 459-471. DOI 10.1007/s00704-017-2190-x.
- 27- Yousefi. S., **Moradi . H. R.**, Keesstra. S., Pourghasemi. H. R., Navratil. O., Hooke. J. 2018. Effects of urbanization on river morphology of the Talar River, Mazandarn Province, Iran. *Geocarto International*, <http://www.tandfonline.com/loi/tgei20>.
- 28- Azari,M. Saghafian,B. **Moradi,H,R.** Faramarzi,M. 2017. Effectiveness of Soil and Water Conservation Practices Under Climate Change in the Gorganroud Basin, Iran. *CLEAN Soil Air Water* 45 (8) (2017), 1-12.
- 29- Yaghmaei,H. Sadeghi,S.H.R. **Moradi,H,R.** Gholamalifard,M. 2018. Effect of Dam operation of monthly and annual trends of discharge in the Qom Rood Watershed, Iran. *Journal of Hydrology* 557 (2018), 254-264.
- 30- Motevalli,A.R. **Moradi,H,R.** Javadi,S. 2018. A Comprehensive evaluation of groundwater vulnerability to saltwater up-coning and sea water intrusion in a coastal aquifer (case study: Ghaemshahr-juybar aquifer). *Journal of Hydrology* 557 (2018), 753-773.
- 31- Bashiri, M. **Moradi,H,R.** Kheirkhah, M.M. Jafari-Khaledid, M. 2018. The effects of soil clay content, surface rock fragments and their interactions on runoff and sediment yield during rainfall simulation. *Desert Ecosystem Engineering Journal* (2018), 7 (2), 67-79.
- 32- Maghsood, F,F. **Moradi, H,R.** Massah Bavani, A,R. Panahi, M. Berndtsson, R. Hashemi, H. 2019. Climate Change Impact on Flood Frequency and Source Area in Northern Iran under CMIP5 Scenarios. *Water Journal* (2018), 11 (273), 1 - 22.

- 33- Kakaei, E. **Moradi, H.R.** Moghaddam Nia, A. Van Lanen, H,A,J. 2019. Quantifying Positive and Negative Human-Modified Droughts in the Anthropocene: Illustration with Two Iranian Catchments. *Water Journal* (2019), 11 (884), 1 - 28. doi:10.3390/w11050884.
- 34- Sadeghi,S.H.R. Moradi,M. **Moradi, H,R.** Schoorl, J.M. 2019. Accuracy of sedimentgraph modeling from topography map scale and DEM mesh size. *International Soil and Water Conservation Research* 7 (2019), 138-149.
- 35- Kavianpoor, A,H. Barani, H. Sepehri, A. Bahremand, A. **Moradi, H,R.** 2019. Climate Change Impact on Quality of Life Indicators of Pastoralists (Case study: Rangelands of Haraz River Basin, Mazandaran province, Iran). *Journal of Rangeland Science*, Vol. 9, No. 1 (2019), 24-38.
- 36- Tavangar, Sh. Moradi, , **H,R.** Massah Bavani, A. Gholamalifard, M. 2019. A futuristic survey of the effects of LU/LC change on stream flow by CA–Markov model: a case of the Nekarood watershed, Iran. *Geocarto International*, 34:12, 1-17, DOI: 10.1080/10106049.2019.1633419.
- 37- Maghsood, F,F. **Moradi, H,R.** Massah Bavani, A,R. Panahi, M. Berndtsson, R. Hashemi, H. 2019. Social Acceptability of Flood Management Strategies under Climate Change Using Contingent Valuation Method (CVM). *Sustainability Journal* (2019), 11 (5053), 1 - 18. DOI: 10.3390/su11185053.
- 38- Zabihi, M. **Moradi, H,R.** Gholamalifard, M. Khaledi Darvishan, A. Fürst, C. 2020.. Landscape Management through Change Processes Monitoring in Iran. *Sustainability Journal* (2020), 12 (1753), 1 - 19.
- 39- Sadeghi,S.H.R. Moradi,M. **Moradi, H,R.** Schoorl, J.M. 2021. Sensitivity analysis of relationships between hydrograph components and landscapes metrics extracted from digital elevation models with different spatial resolutions. *Ecological Indicators*. 121,(107025), 1-11.
- 40- Avand,M. **Moradi, H,R.** Ramazanzadeh Lasbooyee, M. 2021. Spatial Prediction of Future Flood Risk: An Approach to the Effects of Climate Change. *Geosciences*. 121,(11010025), 2-20. doi.org/10.3390/geosciences11010025.
- 41- Avand,M. **Moradi, H,R.** Ramazanzadeh Lasbooyee, M. 2021. Spatial modeling of flood probability using geo-environmental variables and machine learning models, case study: Tajan watershed, Iran. *Advances in Space Research*.Volume 67, Issue 10, 15 May 2021, Pages 3169-3186. doi.org/10.1016/j.asr.2021.02.011.
- 42- Avand,M. **Moradi, H,R.** Ramazanzadeh Lasbooyee, M. 2021. Using machine learning models, remote sensing, and GIS to investigate the effects of changing climates and land uses on flood probability. *Journal of Hydrology*. doi.org/[10.1016/j.jhydrol.2020.125663](https://doi.org/10.1016/j.jhydrol.2020.125663)

-Peer Reviewed Paper (Mainly in Persian)

- 1) **Moradi, H .R.**,1998. Desert and desertification, *Journal of Teach Geography*, No 49: 22-27.

- 2) **Moradi, H .R.**,2001. Study of Synoptic Factors in Create Flood Feb 1996 Central Regions Mazandaran Province, Journal of Teach Geography, No 57: 33-41.
- 3) **Moradi, H .R**, Khirandish, M., 2001.Polar vortex and its Effects on Iran Precipitation, Journal of Research Geography, No 40: 47-65.
- 4) **Moradi, H .R**, Khirandish, M., 2001. Polar vortex and its Effects on the Climate, Journalof Nivar, No 42 & 43: 83-100.
- 5) **Moradi, H .R**, 2002. Synoptic Analysis Precipitations of the Southern Beach of Caspian Sea in six months Could Year, Journal of Marine Science, No. 2: 61-72.
- 6) **Moradi, H .R**, 2002. North Atlantic Oscillation Index and its Effect on Climate of the Iran,Journalof Research Geography, No 48: 17-30.
- 7) **Moradi, H .R**, Tahmasbi, A. Erfanzadeh,R., 2004. Study of Relation vegetation cover, soil and Geomorphologic Factors in Kasilian Watershed Using GIS, J. of Agri. Sciences and Natural Resources of Khazar, Vol. 2, No. 2: 38-53.
- 8) **Moradi, H .R**, 2004. Role of the Caspian Sea in Precipitation along the Iranian Northern Stretch, Journal of Marine Science, Vol 3, No 2: 77-86.
- 9) Kashipazha, A. H., Asri, Y., **Moradi, H .R** 2004. Introduction to the Flora, Lifeformes and Chorology of Bajouhesh Iran. J. Pagohesh and Sazandeghy, Vol. 17, No. 2: 95-103.
- 10) **Moradi, H. R.**, 2005. Floods forecasting in base synoptic systems locations in the northeast in Iran, Geographic Researches, No 4:54-70.
- 11) Sadeghi, S.H.R., **Moradi, H.R.**, Mozayyan, M., 2005. Comparison of different statistical analysis methods in rainfall–runoff modeling (Case study: Kasilian watershed). J. Agric. Sci. Natur. Resour., 12(3):81-90.
- 12) Sadeghi, S.H.R., Shojaee, Gh.R. and **Moradi, H.R.**, 2005. Relationship between Land Use and Soil Erosion in Manderijan Catchment in Zayandehrud Dam Basin, Water and Watershed Journal, Soil Conservation and Watershed Management Research Institute,2(3):143-149.
- 13) **Moradi, H. R.**,2006. Forecasting of Flood Occurrence Using Synoptic Systems Location in the Southern Coast of Caspian Sea, J. Researches in Geography, No. 55: 109-130.
- 14)Jafari, M., Rasooli, B., Erfanzadeh, R and **Moradi, H.R.**, 2006. An Investigation of the Effects of Planted Species, Haloxyllone-Atriplex-Tamarix along Tehran-Qom Free way on Soil Properties, J. of Iranian Natural Res. Vol. 58, No. 4: 921-931.
- 15) **Moradi, H .R.**, Ahmadipour, S. H.,2006. Investigation of Morphology and Soil on Vegetation Cover using GIS (Case Study in part of Rangelands Vaz Watershed), The Journal of Geographic Researches, 38(58): 17-32.

- 16) **Moradi, H. R.**, Gazanfarpuor, N., Feiznia, S., 2006. Investigation of Erodibility and Sediment Productivity of Quaternary Deposites of Segzi-Kuhpayeh Plain in Esfahan Province, Ab and Abkhiz, Vol. 2, No. 3: 52-60.
- 17) **Moradi, H. R.**, Vafakhah, M and Akbari Baviel, A. 2007. Comparison of Flood Routing by Muskingum and Muskingum-Cunge methods in Section of Lighvan River, J. Sci. & Technol. Agric. & Natur. Resour., 11(42):335-343.
- 18) **Moradi, H. R.**, Assadi, A.M., Arzani, H and Hossini, S. M, 2007. Determination of Land use and Ecological Capability of Asadly Watershed Using GIS, J. Rangeland, 1 (2): 170-181.
- 19) Sadeghi, S.H.R., Shojaei, G.H., **Moradi, H.R.**, 2007. Impact of Landuse Changes on Sediment Yield in Mandarijan Watershed Basin. J. Agric. Res. Vol. 7, No. 4: 239-251.
- 20) **Moradi, H. R.**, Behzadfar, M and Sadeghi, S.H.R. 2007. Investigation on Relationships between Rainfall Parameters and Erosivity Factor in Khuzestan Province, Iran, The Journal of Agriculture science, 4(29): 69-84.
- 21) **Moradi, H. R.**, Rajabi, M and., farajzadeh, M. 2007. Analysis Trend and Spatial Characteristics of Droughts Intensity in Fars Province, Iranian Journal of Range and Desert Research, 14 (1): 97-109.
- 22) **Moradi, H. R.**, Ahmadipour, S. H., 2007. Investigation of Soil Factors on Crown percentage and Abundance Range species using GIS (Case Study in part of Rangelands Vaz Watershed), J. Human Sciences Modares, 11(1): 143-160.
- 23) Sadeghi, S.H.R., Mozaian, M and **Moradi, H. R.**, 2007. Development of Hydrograph using Different Rainfall Component in Kasilian Watershed, J. of Iranian Natural Res. 60 (1): 33-43.
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- 26) Saeidifard, M., Hossini, S. M, **Moradi, H. R** and Padasht, M. N, 2008. Ecological Evaluation of Liliun Ledebourii Site in Gilan in Order to Determine Ecological Needs of this Species, J. Environmental Sciences, 5 (4): 65-76.
- 27) Karami, J., Hossini, S. M, .Shataee, S. H and **Moradi, H. R.**, 2008. The Efficiency of the Aerial Photos and IKONOS Images in Estimating the Canopy Cover of Street Trees (A Case Study in Region 1 of Tehran), J. of Sci. & Technol in Natural Resources, 3 (3): 15-26.
- 28) Sikarodi, D., Fazeli, M. S., Hossini, S. M and **Moradi, H. R**, 2008. The Study of Anzali Wetland Potential for the Natural Growth of Astacus Leptodactylus by Using the GIS, J. of Sci. & Technol in Natural Resources, 3 (2): 89-98.

- 29) Rajabi, M., **Moradi, H. R.**, farajzadeh, M and bazrafshan, J. 2008. Simulation of SPI time series stochastic behavior by using Markov chain model for early warning Fars province drought, *J. Natur. Resour of Iran*, 4 (60):1157-1170.
- 30) **Moradi, H. R.**, Mirnia, S. K and Lahorpori, S. 2008. Effect of Grazing Intensities on the Soil physical properties and Vegetation cover of Charandoo Summer Rangelands in Kurdistan Province, *Iranian Journal of Range and Desert Research*, 15 (3): 369-378.
- 31) **Moradi, H. R.**, Fazelpor, M. R., Sadeghi, S.H.R., and Hossini, Z. 2008. The study of land use change on desertification using remote sensing in Ardakan area, *Iranian Journal of Range and Desert Research*, 15(1): 1-12.
- 32) Mohammadi M, **Moradi, H. R.**, S. Feiznia, S., Pourghasemi, H.R., 2009. Prioritization of landslide effective factors and its hazard mapping using information value and AHP models (case study: a part of haraz watershed). *J. Geo Science*. Vol. 19, No. 74, 27-32.
- 33) Arzani, H., Noori, S., Kaboli, H., **Moradi, H. R.**, Ghelichnia, H., 2009. Determination of Suitable Indices for Vegetation Cover Assessment in Summer Rangelands in South of Mazandaran. *Iranian Journal of Natural Resources*. Vol. 61, No. 4: 997-1015.
- 34) Pourghasemi, H. R., **Moradi, H. R.**, Mohammadi, M and MahdaviFar, M.R. 2009. Landslide Hazard Susceptibility Mapping and its Evaluation Using the Fuzzy Operator, *J. Sci. & Technol. Agric. & Natur. Resour*, 12 (46): 375-390.
- 35) **Moradi, H. R.**, Taei, M., Ghasemian, J., and Chezghi, M. 2009. Simulation and Analysis of Relation Hydrological and Climatology Drought by Probability's Models (Case Study: Babol Plain), *J. Iran-Watershed Management Science and Engineering*, 2 (5): 71-74.
- 36) Izanloo, H., **Moradi, H.R.**, Sadeghi, S.H.R., 2009. Comparison of temporal prioritizing of flooding in different hydrological periods (Case study: kooshkabad sub-watersheds in razavi province). *J. Pajouhesh & Sazandegi*. No 82. 21-30.
- 37) Pourghasemi, H. R., **Moradi, H. R.**, Fatemi Aghda, S.M., Mohammadi, M and MahdaviFar, M.R. 2009. Landslide Hazard Assessment Using Fuzzy Multi Criteria Decision- Making Method. *J. Watershed Management Science & Engineering*, Vol. 3, No. 8. 51-61.
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- 39) Eslamzadeh, N., Hosseini, M., **Moradi, H. R.**, Azari Dehkordi, F., 2009. Rehabilitation of Grown Imperical, a GIS Approach. 2009. *J. Env. Sci. Tech*. Vol 11. N. 1. 251-261.
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- 41) Sayedi Elmabad, M., Moradi, H.R., Ghanbarpour, M.R., 2010. Estimation of Snowmelt Runoff Using IRS Satellite Data and Statistical Models (The Case Study: ZARINEROOD Basin). *J. Watershed Management Science & Engineering*. Vol. 3, No. 9, 35-44.
- 42) **Moradi, H.R.**, Hosseininasab, M., Khaledi Darvishan, A., Gholami, L., 2010. Comparising Landuse and Land Capability by use of GIS in Harir zone of Kermanshah Province. *J. The Environment*. Vol. 2, No. 5, 15-23.
- 43) Saeidian, H. **Moradi, H.R.** 2010. Investigation some Soil and Lanuse indexes in Gachsaran Formation using Multi variable Regression. *J. Pajohesh & Sazandegi*. No. 90, 78-86.
- 44) Mohammadi, M., **Moradi, H.R.**, 2010. Local Distribution and Relationship Between Meteorological and Groundwater Droughts in Arak Plain. *J. Physical Geography*. Vol. 5, No. 15, 77-84.
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- 46) Zaboli, M., Fakhire, A., Ghanbari, A., **Moradi, H.R.**, Kaboli, H.R., 2010. Determination of Potantial Habitats of Soxaoual Species for Sistan region using GIS. *Iranian Journal of Range and Desert Research*, Vol. 17, No. 2, 317-330.
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- 48) Chezghi, J., **Moradi, H.R.**, Kheirkhah Zarkesh, M.M., 2010. Select of Suitable Sites for Build Underground Dam Using a Multi Criteria Decision Making to Water Resources Emphasis (Case Study: The West Tehran Province). *J. Watershed Management Science & Engineering*. Vol. 4, No. 13, 67-70.
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- 50) Saeidian, H. **Moradi, H.R.** Tarnian, F., 2010. Comparing soil physicochemical characteristics in different land uses Gachsaran and Aghajari formations. 2010. *J. Range and Watershed Management, Iranian Journal of Natural Resources*, Vol. 63, No. 1. 1-12.
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137) Ahmadi, M., Taei Semiromi, S., Khodaghali, M., **Moradi, H.R.**, Nohegar, A. 2015. Survey of geostatistical methods to study meteorological drought and groundwater in Marvdasht plain. 10th National Conference on Watershed Management Science and Engineering, Birjand University, February 18 & 19, 2015.

138) Rahdan, H., **Moradi, H.R.**, Sharifikia, M. 2015. Investigation of changes and trends in rainfall and temperature in Isfahan city. 10th National Conference on Watershed Management Science and Engineering, Birjand University, February 18 & 19, 2015.

139) Javadifar, A., **Moradi, H.R.**, Tarpanlelli, A. 2015. Application of remote sensing in estimating discharge and flow velocity with emphasis on MODIS sensor data 10th National Conference on Watershed Management Science and Engineering, Birjand University, February 18 & 19, 2015.

140) Rahdan, H., **Moradi, H.R.**, Sharifikia, M. 2015. Comparison of the efficiency of some meteorological indicators to determine the drought in Isfahan. Fourth National Conference on Health, Environment and Sustainable Development, Bandar Abbas University, March 5, 2015.

141) Rahdan, H., **Moradi, H.R.** 2016. Introduction of People Participation Index (PPI) in watersheds. 11th National Conference on Watershed Management Science and Engineering, Yasuge University, April 20 & 22, 2016.

142) Moradi, M., **Moradi, H.R.**, Sadeghi, H.R. 2017. The co-functional role of cell sizes at different scales of the topographic map on the analysis of estimated concentration time in the Glazchay Oshnoyeh watershed. The Second National Conference on Hydrology of Iran, July 11 & 12, 2017.

143) Sadeghi, S.H. R., Yaghmaei, H., **Moradi, H.R.**, Gholamalifard, M., 2018. LAND DEGRADATION CHANGE IN LOWER QOM ROOD WATERSHED, CENTRAL IRAN THE SECOND INTERNATIONAL YOUNG SCIENTISTS FORUM ON SOIL AND WATER CONSERVATION AND ICCE SYMPOSIUM 2018.

144) **Moradi, H.R.**, 2019. The effects of climate change on the process of extreme events. International Conference on climate change (November 25-26, Dubai, UAE).

VIII- Search Project Leader

- 1- Synoptic Analysis of the Flood generated Systems on Southern Coast of Caspian Sea
- 2- Estimation and Forecasting floods in northeast Iran.
- 2-Evaluation of suitability region rangeland using GIS.
- 3-Investigate the relation between Geomorphologic units, soil and vegetation cover in the Vaz watershed, Iran.

IX- supervisor

- 1- Investigation of Relation Among Erosivity and Different Parameters of Rainfall in Khuzestan, Iran
- 2- Investigation of Morphology and soil in vegetation cover in Rangelands Vaz watershed using GIS.

- 3- Study of Vegetation Cover and Soil in Relation to Geomorphology Units in Kasilian Watershed using GIS.
- 4- Role of Land Use in Desertification using remotesensing (A Case Study of the Around Ardakan City).
- 5- Drought Characteristics Zoning in Zayandehroud Watershed using GIS.
- 6- Land Use Evaluation in Compare with land Capability for Optimum use in Asadly Watershed using GIS in Khorasan Province, Iran.
- 7- Evaluation of Drought Characteristics of Fars Province in GIS Environment.
- 8- Flood Zonation by Muskingum and Muskingum-Cung using GIS.

X- Advisor

- 1- Ecological Analysis of Plant Association in Khojir National Park using GIS.
- 2- Study on Grazing Effect on Physical and Chemical Soil Properties in Charandoo Summer Rangelands in Kurdistan Province, Iran.
- 3- Study of Uremia Lake Surface Temperature Distribution using Satellite Images.
- 4- Study on Relationship between Different Component of Rainfall and Runoff in Kasilian Watershed using GIS.
- 5- Study on Effect of Spatial and Temporal Distributions of Rainfall on Flood Characteristics in Port of Gorganroud Watershed, Iran.
- 6- Determination of Suitable Indices for Vegetation Cover Assessment in Summer Rangelands in Mazandaran Province.
- 7- Relationship between Land use Change and Soil Erosion and Sediment Yield in a Port of Zayandehroud Watershed.

XI- Book

- 1- **Moradi, H.R.**, Mohammadi, M., Pourghasemi, H.R., 2012. Mass Movement with Emphasis to Land Slide Occur Analysis by Quantities Methods, Samt Publications, 209 pp.

XII- Courses Taught

- 1) Climatology, Watershed management, Geographic Information System, Remote sensing, Drought.