



## Dr. Habib Nazarnejad

Ph.D. of Watershed Management, Gorgan University of Agricultural Sciences & Natural Resources, Iran

**Office:** Department of Watershed Management  
Faculty of Range and Watershed Management  
**Cell Phone:** +98-914-1465493

**Academic Email:** [h.nazarnejad@urmia.ac.ir](mailto:h.nazarnejad@urmia.ac.ir)  
[h.nazarnejad@gau.ac.ir](mailto:h.nazarnejad@gau.ac.ir)

**Active email:** [hnazarnejad2000@gmail.com](mailto:hnazarnejad2000@gmail.com)

**Site Address:** <https://gau.ac.ir//Professor/nazarnezhad>

## Biography

**DOB and POB:** Aug 25, 1975, Bandar-e-Turkman, Iran

**Family Status:** Married, 2 children

**Language:** Persian, English

**Career:** Associate professor, Urmia University from 2002

Gorgan University of Agricultural Sciences & Natural Resources: 2021- Present

## Education

1- B.Sc. in Range and Watershed Management Eng., Gorgan University of Agricultural Sciences and Natural Resources, 1996, Gorgan, Iran

2- M.Sc. in Watershed Management Eng., Gorgan University of Agricultural Sciences and Natural Resources, 1999, Gorgan, Iran

3- PhD. In Watershed Management Eng., Sari University of Agricultural Sciences and Natural Resources, 2013, Sari, Iran

## Title of Master Thesis

Sediment Yield Prediction with hydro morphoclimatic Parameters in Qarasou River Basin

## Title of PhD Thesis

Investigation of land use change impacts on runoff and sediment yield using AGWA model (Case study: Boustan Dam watershed, Golestan province)

## VISITING POSITIONS

Visiting Researcher in CIDE (Centro de Investigaciones sobre Desertificación), University of Valencia, under supervision of Juan Antonio Pascual Aguilar & Jose Louis Rubio Delgado

## Professional Specialty and Interest

Soil erosion modeling, Climate change, Land use change, Landslide, Quantitative Geomorphology

## Journal Papers

1- **Nazarnejad, H.**, 2001. Water harvesting in arid zones, journal of mazraeh, 48:13-15.

2- Torkan, J., Alijanpour, A., and **Nazarnejad, H.**, 2003. Protection from biologic diversity, an essential to sustainable development, journal of Jahad, 60-61: 72-75.

3- Torkan, J., Alijanpour, A., Bernosi, I., Fajri, H., and **Nazarnejad, H.**, 2007. Investigation of Phenological Stages and Harvest Year on Forage Quality of Rangeland Species in West Azarbaijan Province. *Iranian Journal of Natural Resources*. 60(3): 1059-1071.

4- Gholipouri, A. Gh., and **Nazarnejad. H.** 2007. The effect of pruning and nitrogen levels on some physico- chemical characteristic of pumpkin seed (*Cucurbita pepo L.*). *Pakistan Journal of biological science*, 10 (20):3726-3729.

5- Hakimkhani, Sh., Ahmadi, H., Ghayumian, J., and **Nazarnejad, H.**, 2007. Determining the contributions of land uses to sediment yield fingerprinting method (Case study: Pouldasht basin, Mako, Iran). *Journal of Soil and Water Science*. 21(2): 303-315.

6- **Nazarnejad. H.**, Solaimani, k., Shahedi, K., and Sheikh. VB. 2012. Evaluating hydrological response to land use change using the AGWA-GIS based hydrologic modeling tools. *International journal of agriculture: research and review*. 2(S), 942-948.

7- **Nazarnejad. H.**, Solaimani, k., Shahedi, K., and Sheikh. VB. 2013. Application of AGWA-KINEROS2 model for estimation of runoff in Northeast of Iran. *International journal of Agronomy and Plant Production*. 4 (2), 329-335.

8- **Nazarnejad. H.**, Miryaghoubzadeh, M.H., and Eeshoei, E. 2016. investigation of soil salinity changes in the west side of Urmia Salt Lake using SALTMOD. *Research in Crop Ecosystems*. 3(1&2): 33-41.

9- Mirzaee, S., Asadzadeh, F., and **Nazarnejad. H.** 2017. Evaluation of Manning and Darcy-Weisbach roughness coefficients at surface of loess soil under different covers of surface gravel. *Journal of watershed management research*. 8(15): 73-81.

10- Narimani, R., Erfanian, M., **Nazarnejad, H.**, and Mamodzadeh, A. 2017. Evaluating the impact of management scenarios and land use changes on annual surface runoff and sediment yield using the GeoWEPP: a case study from the Lighvanchai watershed, Iran. *Environ Earth Sci* (2017) 76:353

11- Shahhosein, T., **Nazarnejad, H.**, and Asadzadeh, F. 2017. The investigation of Precipitation Concentration Index in West Azerbaijan (Iran) weather stations. *Climate Change*. (3):11.

12- Mostafazadeh, R., Haji, Kh., Esmali-Ouri, A., and **Nazarnejad, H.** 2017. Prioritization the Critical Sub-Watersheds based on Soil Erosion and Sediment using Watershed Erosion Response Model (WERM) and Morphometric Analysis (Case study: Rozechai Watershed, West Azerbaijan Province). *Journal of watershed management research*. 8(16): 142-156.

13- Haji, Kh., Mirzaeei, Sh., Mostafazadeh, R., and **Nazarnejad, H.** 2018. Monthly variation of the intensity and concentration of surface runoff in the Gorganroud Watershed Rivers of Golestan Province. *Hydrogeomorphology*. 13:121-146.

14- Abdollahi, Sh., **Nazarnejad, H.**, Miryaghoubzadeh, M.H., and Najafi, S. 2018. Estimates of gully erosion and development using GIS and RS. *Desert Ecosystem Engineering Journal*. 6(18): 69-78.

15- Ghahremannejad. E., **Nazarnejad, H.**, and Miryaghoubzadeh, M.H. 2018. Effect of different land-use management scenarios on soil erosion using USLE model in KalaybarChay watershed. *Journal of water and soil resources conservation*. 7(2): 91-104.

16- **Nazarnejad, H.**, Hosseini, M., and Hamzeh, S. 2018. Analysis of temporal-spatial variations of land use in Predanan Piranshahr using Landscape Metrics. *Journal of Forest Research and Development*, 4(2): 241-255.

17- **Nazarnejad, H.**, Shahhosein, T., and Asadzadeh, F. 2018. Spatiotemporal Variation of the Rainfall Erosivity in West Azerbaijan Province. *Geography and sustainability of environment*, 27:89-99.

18- Momenian, P., **Nazarnejad, H.**, Miryaghoubzadeh, M.H., and Mostafazadeh, R., 2018. Assessment and Prioritizing of Subwatersheds Based on Watershed Health Scores (Case Study: Ghotorchay, Khoy, West Azerbaijan). *Journal of Watershed Management Research*, 9(17):1-13.

19- Moharampour, E., **Nazarnejad, H.**, and Babaei, S. 2018. Estimation of the Curve Number and Runoff Height Using Arc GIS Software with the Arc CN-Runoff Tool (Case study: Nazluchai Basin of Urmia). *Watershed Management Researches (Pajouhesh & Sazandegi)*.119: 41-49.

20- Payki, F., **Nazarnejad, H.**, and Hamdami, Gh. 2018. The effect of land use on runoff and sediment yield at different slopes and intensities of rain using rain simulator (Case Study: Khangah Sorkh Watershed, Urmia). *Watershed Management Researches (Pajouhesh & Sazandegi)*.120: 78-90.

21- Haji, Kh., Esmali-Ouri, A., Mostafazadeh, R., and Nazarnejad, H. 2018. Determining Soil Erosion Rate in Different Landuses Using RUSLE Model in the Rozehai Watershed, Urmia, Iran. *J. of Conservation and Utilization of Natural Resources*, Vol. 7 (1): 173-189.

22- **Nazarnejad, H.**, Hoseine, M., and Mostafazadeh, R., 2019. Analysis of Land Use Change in Balanjchai watershed Using Landscape metrics. *Geography and development Iranian journal*. 54:75-90.

23- Eishoeei, E., **Nazarnejad, H.**, and Miryaghoubzadeh, MH. 2019. Temporal soil salinity modeling using SaltMod model in the west side of Urmia hyper saline Lake, Iran. *Catena*, 176:306-314.

24- **Nazarnejad, H.**, Irani, T., and Miryaghoubzadeh, M.H. 2019. Investigation of land use change effects on water quality of Zarrinehroud Basin (West Azarbaijan). *Watershed Engineering and Management*. 11(1): 76-87.

25- Eslami, H., Motamedi, J., **Nazarnejad, H.**, and Sheidai Karkaj, E. 2019. Investigating the relationship between range condition of plant types and species diversity. *Iranian Journal of Range and Desert Research*, 26 (3): 613-628.

26- **Nazarnejad, H.**, Hosseine, M., and Mostafazadeh, R., 2019. Assessment of Changes in Landuse Connectivity and Pattern using Landscape Metrics in the Zolachai Watershed, Salmas. *Geographical planning of space Quarterly Journal*. 9(34):53-66.

27- **Nazarnejad, H.**, Mohtadi, M., and Komaki, Ch.B. 2019. Assessing and mapping desertification hazard using desertification indicator system for Mediterranean Europe (Case study: Miandoab Plain of West Azerbaijan Province, Iran). *Desert Ecosystem Engineering Journal*, 2(2):1-12.

28- Alizadeh, Z., Mahmoodzadeh, A., and **Nazarnejad, H.**. 2020. Evaluation of Erodibility of Formations in the Khangah-Sorkh Watershed (Urmia) Using a Rain Simulator. *Watershed Management Researches*, 33(1) Ser. No. 126: 26-38.

29-Hanifinia, A.A., **Nazarnejad, H.**, Najafi, S., and Kornejady, A. 2021. Prioritization of Effective Factors on Landslide Occurrence and Mapping of its Sensitivity in CherikAbad Watershed, Urmia Using Shannon Entropy Model. *Watershed Management Research*, 33(4) Ser. No. 129: 32-48.

30- Esmaeilnezhad, R., Zeinalzadeh, K., Nazarnejad, H., and Mohammadpour, M. 2021. Assessment of agricultural development preventive policies for restoration of Urmia Lake in Barandoz Basin, Iran. *The Egyptian Journal of Remote Sensing and Space Sciences*. 24:1103-1110. doi.org/10.1016/j.ejrs.2021.10.005.

31- Ahmadi, R., **Nazarnejad, H.**, and Najafi, S. 2021. Water Erosion Susceptibility Mapping Using Geomorphological Factors in Omarabad Watershed of Urmia. *Applied soil research*. 9(3):43-56.

32- Mahmoudi, M., and **Nazarnejad, H.** 2021. Prioritization of sub-watersheds to soil and water conservation measures using morphometric indices and factor analysis in Qasre-Firoozeh watershed, Tehran province. *Amphibious Science and Technology*, 2(3): 66-77.

33- Haji, Kh., Esmali-ouri, A., Mostafazadeh, R., and **Nazarnejad, H.** 2022. Evaluation of land cover / land use changes with object-oriented processing of satellite images (1985-2015) in the watershed of Roza Chai Urmia. *Journal of Applied researches in Geographical Sciences*. 22(66): 171.189. 10.52547/jgs.22.66.171

34- Najafi, S., **Nazarnejad, H.**, and Mohammadnezhad, H. 2022. Investigation of the results of soil erosion and sediment yield studies over the past three decades in the watersheds of West Azerbaijan Province. *Watershed Engineering and Management*. 14(1):17-25. DOI:10.22092/ijwmse.2021.352110.1841.

35- Dadafarid, S., **Nazarnejad, H.**, and Khosravi, A. 2022. Determination of the Potential of Groundwater Resources in the Urmia Plain Using the Morphometric Parameters and Indices. *Watershed Management Research*, 34(4): 16-33.

36- Mofidi Chelan, M., **Nazarnejad, H.**, and Moharampour, E. 2022. Siting Improvement Operations for Rainwater Conservation Schemes in Natural Areas (A Case study of Nazluchai Basin, Urmia). Journal of land Management (Soil and Water sci.). (2): 247-261.

37- Kheiri Soltan Ahmadi, R., Nazarnejad, H., and Asadzadeh, F. 2022. Analytical assessment of Mahabadchai river water quality using Iran water quality index. International Journal of Health and Environment. 14(4):629-642.

38- Shahhossein, T., **Nazarnejad, H.**, and Asadzadeh, F. 2022. Rainfall Erosivity Mapping for West Azerbaijan Province. Applied soil research. 9(4):49-61.

39- Hanifinia, A., and **Nazarnejad, H.** 2022. The Effect of Morphometry Indices on Improving the Performance of Data Mining Models for Landslide Sensitivity Zoning in Cherikabad Watershed, Urmia. Journal of Geography and Environmental Hazards. 10(4): 47-68.

40- Habib Nazarnejad, H., Komaki, Ch.B., and Servati. M. 2022. Mapping Soil Salinity Changes in Miandoab Plain using Satellite Images. Degradation and Rehabilitation of Natural Land. 2(3): 112-122.

41- Moradi Chonghoralu, P., **Nazarnejad, H.**, and Asadzadeh, F. 2022. Comparison of particle size distribution of sediments in mountain and river sand and gravel mining in Urmia city. Water and Soil Management and Modeling, 2(3), 52-65. DOI: 10.22098/MMWS.2022.10187.1078

42- Kheiri Soltan Ahmadi, R., Nazarnejad, H., and Asadzadeh, F. 2022. The Evaluation of Heavy Metals Pollution in the Surface Sediments of Mahabadchai River. Journal of Research in Environmental Health. 8(1):46-58.

43- Hanifinia, A.A., **Nazarnejad, H.**, Najafi, S., and Kornejady, A. 2022. Landslide hazard mapping using AHP and Shannon Entropy models in Cherikabad of Urmia watershed. Applied Soil Research. 10(3): 130-144.

44- Khorrami, k., **Nazarnejad, H.**, Mahmoodzadeh, A., Asadzadeh, F., and Sheiday Karkaj, E. 2023. Investigation of the Relationship between Sediment Organic Carbon and Hydrogeomorphological Characteristics of the Watershed (Case Study: Ardabil Province). Applied soil research. 10(4):11-24.

45- Asgharpour, A., Najafi, S., and **Nazarnejad, H.** 2024. Sediment Fingerprinting Using the Approach of Reducing Uncertainty and Multi- Stage Assessment of Tracers in the Idelo Watershed in Zanjan Province. Iran-Watershed Management Science & Engineering. 17(63): 1-12.  
DOI: 10.22034/17.63.1

46- Hesami, S. D., **Nazarnejad, H.**, Erfanian, M., Abghari, H., Mahmoodi, M. A., & Rostami Khalaj, M. (2024). Estimation of soil erosion rate in Gaushan watershed using RUSLE 3D model. Environment and Water Engineering. 10(3), 392-407. (In Persian)  
<https://doi.org/10.22034/ewe.2024.421459.1898>

47- Nainival, S.P., Najafinejad, A., **Nazarnejad, H.**, & Zare Garizi, A. 2024. Investigating the Accuracy of Predictive Mapping of Water Erosion Hazard and Determining the Impact of Input Factors in a Qharnaveh Watershed using the PAP/RAC Model. Extension and Development of Watershed Management. 12(44): 53-68. (In Persian)  
DOI:10.22034/wmji.2024.2027259.1065

48- Nainival, S.P., Najafinejad, A., **Nazarnejad, H.**, & Zare Garizi, A. 2024. Investigating the uncertainty of factors affecting water erosion Hazards in the Qharnaveh watershed using the Bayesian Averaging Model. Integrated Watershed Management. 4(2): 20-34. (In Persian)  
doi: 10.22034/iwm.2024.2019913.1123

## Conference Papers

- 1- **Nazarnejad, H.**, Torkan, j., and Alijanpour. A. 2004. Water harvesting in rural area, 1<sup>st</sup> conference of Watershed Management and Water Resources Management, Kerman, Iran.
- 2- Torkan, J., Alijanpour, A., and **Nazarnejad, H.**, 2003. Protection from biologic diversity. Regional conference of Ardestan, Development capabilities, Ardestan, Iran
- 3- **Nazarnejad, H.** 2005. Estimating of sediment yield with Hydromorphoclimatic factors in Qarasou River Basin. The International Conference on Geohazards, Natural Disasters and Methods of Confronting with Them. Tabriz, Iran.
- 4- **Nazarnejad, H.**, and Ghorbani, M.A. 2005. Predicting of Maximum Flow with Artificial Neural Network in Nazlouchai River Basin. The International Conference on Geohazards, Natural Disasters and Methods of Confronting with Them. Tabriz, Iran.
- 5- **Nazarnejad, H.** 2006. Investigation of factors that effect on Urmia lake stage reduction, 2<sup>nd</sup> Conference of Watershed Management and Water Resources Management, Kerman, Iran.
- 6- **Nazarnejad, H.** 2006. Effect of development plans on Urmia Lake, 2<sup>nd</sup> conference of Watershed Management and Water Resources Management, Kerman, Iran
- 7- **Nazarnejad, H.**, and Ghorbani, M.A. 2006. Application of Artificial Neural Network in peak flow prediction, 2<sup>nd</sup> conference of Watershed Management and Water Resources Management, Kerman, Iran
- 8- **Nazarnejad, H.** 2007. Role of watershed management in flood control, 1<sup>st</sup> Disaster management conference, Tehran, Iran.
- 9- Abghari, H., Mohseni saravi, M., Mahdavi, M., Ahmadi, H., and **Nazarnejad, H.** 2007. Application of hydraulic model and GIS in floodplain management. 7<sup>th</sup> International River engineering conference (7 IREC), Ahwaz, Iran.
- 10- **Nazarnejad, H.**, Hakimkhani, Sh., Gholipouri, A. Gh., and Hanafi, S. 2008. Investigation of drought trend in Urmia with SIAP Index. 4<sup>th</sup> National Conference of Sciences and Engineering of Watershed Management. Tehran, Iran.
- 11-Hakimkhani, Sh., Ahmadi, H., Ghayumian, J., and **Nazarnejad, H.** 2008. Determining the contribution of sediment sources of watersheds on sediment yield (Case study: Pouldasht basin, Maku, Iran). 4<sup>th</sup> National Conference of Sciences and Engineering of Watershed Management. Tehran, Iran.
- 12- Karimizadeh, K., **Nazarnejad, H.**, and Gholami, H. 2008. Estimation of Discharge and Height of Runoff in Small Watershed Using Experimental Methods (Case study: Khaneghahe\_Sorkh River Basin, Urmia, Iran. 1<sup>st</sup> International Conference on Climatic Change and dendrochronology in Caspian Ecosystems. Sari, Iran.
- 13- Hanafi, S., Jalili Marandy, R., Hasani, A., HakimKhani, Sh., and **Nazarnejad, H.** 2009. Effect of some compounds on vase life of cut flowers. 1<sup>st</sup> national conference on new technologies on agriculture and natural resources, Rasht, Iran.
- 14- Mostafazadeh, R., Sadoddin, A., Bahremand, A., Sheikh, VB., and **Nazarnejad, H.** 2009. Assessing hydrological effects of Jafar-Abad watershed management Project in Golestan Province Using HEC-HMS Model. 5<sup>th</sup> National Conference of Sciences and Engineering of Watershed Management. Gorgan, Iran.
- 15- Ranjbari karimian, Jh., Yari, R., khansari, S., and **Nazarnejad, H.** 2009. The investigation of drought trends using moving average and DIX and SPI indices. 2<sup>nd</sup> national conference of drought effects and its management approaches, Isfahan, Iran.
- 16- **Nazarnejad, H.** 2010. Assessment of drought with SIAP and PNP indices. 2<sup>nd</sup> International Conference on Climatic Change and dendrochronology in Caspian Ecosystems. Sari, Iran.
- 17- Gholipouri, A., and **Nazarnejad, H.** 2010. Effect of plantation arrangement on efficiency of using of radiation and accumulation of dry matter in sunflower. 2<sup>nd</sup> International Conference on Climatic Change and dendrochronology in Caspian Ecosystems. Sari, Iran.
- 18- Mohtadi, M., and **Nazarnejad, H.** 2013. The management of urban flood using new technologies as for Geomorphologic status of area. 1<sup>st</sup> regional congress of urban flood management. Sari, Iran.

19- Molaeifar, I., Sheikh, VB., Bahremand, A.R., and **Nazarnejad, H.** 2013. The investigation of urban development effects and increasing of peak flow (Case study: Ziarat watershed, Gorgan). 12<sup>th</sup> national congress of irrigation and decreasing of evaporation. Kerman, Iran.

20- Abedi, Z., and **Nazarnejad, H.** 2013. Evaluation of climate change effect on different temporal scales of SPI drought index (Case study: Urmia Lake River Basin). 1<sup>st</sup> national congress of Urmia Lake rollback effect on soil and water resources. Tabriz, Iran.

21- **Nazarnejad, H.** 2014. Drought zoning of Urmia using SPI index. 32<sup>nd</sup> National and the 1<sup>st</sup> International Geosciences congress. Urmia, Iran.

22- **Nazarnejad, H**, Ghaderpour, M., and Maleki Ghezelghabr, B. 2014. Temperature change trends in the Urmia Lake River Basin using the Mann- Kendall method. 32<sup>nd</sup> National and the 1<sup>st</sup> International Geosciences congress. Urmia, Iran.

23- **Nazarnejad, H**, Maleki Ghezelghabr, B., and Ghaderpour, M. 2014. Artificial recharge of groundwater tables on the shore of the Urmia Lake, the way to prevent dehydration crisis. 32<sup>nd</sup> National and the 1<sup>st</sup> International Geosciences congress. Urmia, Iran.

24- **Nazarnejad, H.** 2014. The estimation of erosion and sediment yield in Emak-kandi watershed using MPSIAC model. National congress of soil and environment. Urmia, Iran.

25- Kheirkhah. A.R., and **Nazarnejad, H.** 2014. The investigation of formation sensivity to erosion (Case study: Kahriz watershed). National congress of soil and environment. Urmia, Iran.

26- Kheirkhah. A.R., and **Nazarnejad, H.** 2014. The investigation of erosion and sediment yield rate (Case study: Anbi watershed). National conference on Water, Human, Earth. Dolatabad, Iran.

27- Kheirkhah. A.R., and **Nazarnejad, H.** 2014. Determination of Sediment Delivery Ratio (SDR) based on area factor. National conference on Water, Human, Earth. Dolatabad, Iran.

28- Kheirkhah. A.R., Ghasemi, A., and **Nazarnejad, H.** 2014. The investigation of appropriate field for artificial recharge of groundwater tables based on Geomorphology. National conference on Water, Human, Earth. Dolatabad, Iran.

29- Narimani, R., and **Nazarnejad, H.** 2015. Mapping iso-erosion lines using Fournier index at Urmia watershed. 10<sup>th</sup> National Conference of Sciences and Engineering of Watershed Management. Birjand, Iran.

30- Narimani, R., Erfanian, M., and **Nazarnejad, H.** 2015. The evaluation of landuse change effect on runoff and sediment yield on Liqwanchai watershed using GeoWEPP. 1<sup>st</sup> Water science and engineering conference, Tehran, Iran.

31- Hamzeh-Ghooshchi, S., **Nazarnejad, H.**, and Miryaghoubzadeh, M.H. 2015. Estimation of erosion and sediment in Zareshooran watershed using MPSIAC model. The third national conference of Iran's environmental and agricultural research. Hamedan, Iran.

32- Dehghani Jabbarloo, M., **Nazarnejad, H.**, and Mahmoodzadeh, A., 2015. Zonation of potential runoff coefficient and potholes storage capacity in Nazluchai watershed using hydrologic Wetspa distributed model. The third national conference of Iran's environmental and agricultural research. Hamedan, Iran.

33-Ataloo, N., **Nazarnejad, H.**, and Miryaghoubzadeh, M.H. 2015. Evaluation of  $\beta$  correction performance on sediment rating curve methods. 1<sup>st</sup> national congress on tourism, Ecotourism and sustainable development of environment, Tehran, Iran

34- Ataloo, N., **Nazarnejad, H.**, and Miryaghoubzadeh, M.H. 2015. Validation and evaluation of interpolation methods to estimate suspended sediment (Case study: Tropic station on Nazluchai River). 1<sup>st</sup> national congress on tourism, Ecotourism and sustainable development of environment, Tehran, Iran

35- Abdollahi, Sh., **Nazarnejad, H.**, Miryaghoubzadeh, M.H., and Najafi, S. 2016. Investigation of gully erosion distribution based on physiographic factors (Case study: Idalou Watershed). 7<sup>th</sup> national congress on watershed management and water and soil resources management. Kerman, Iran.

36- Eshoei, E., **Nazarnejad, H.**, and Miryaghoubzadeh, M.H. 2016. Change detection of saline lands in west side of Urmia Lake using remote sensing data. 34<sup>th</sup> national and 2<sup>th</sup> international geosciences congress. Tehran, Iran.

37- Haji, Kh., Esmaeli, A., Mostafazadeh, R., and **Nazarnejad. H.** 2016. Evaluation of soil erosion map on Rowzehchai watershed using GIS and RUSLE. 2<sup>nd</sup> national conference on conservation of natural resources and environment. Ardabil, Iran.

38- **Nazarnejad. H.**, Mehdizadeh, M., and Miryaghoubzadeh, M.H. 2016. Determination of best normal mechanism in Urmia synoptic station in order to analyzing of rainfall data. . 2<sup>nd</sup> national conference on conservation of natural resources and environment. Ardabil, Iran.

39- Tardast, Z., **Nazarnejad. H.**, and Miryaghoubzadeh, M.H. 2016. Investigation of climate change effects on climatic components of Nazluchai watershed (Urmia). 2<sup>nd</sup> national conference on conservation of natural resources and environment. Ardabil, Iran.

40- Momenian, P., **Nazarnejad. H.**, Mostafazadeh, R., and Miryaghoubzadeh, M.H. 2016. Investigation of watershed health in term of water quality based on Schuler diagram (Case study: Qoturchai, Khoy). The 2<sup>nd</sup> international congress on earth science and urban development, Tabriz, Iran.

41- Irani, T., **Nazarnejad. H.**, and Miryaghoubzadeh, M.H. 2016. The water quality assessment of Zarrinehroud for drinking and irrigation. Second National Congress of development and promotion of agricultural engineering and Soil Science in Iran. Tehran.

42- Mohtadi, M., Hoseini, M., and **Nazarnejad. H.** 2016. Determining the best drought indicator in the BarandozChai Watershed, Urmia Lake. First international conference on Water, Environment and sustainable development. University of Mohaghegh ardabily, Ardabil

43- **Nazarnejad. H.**, Moharrampour, E., and Shahhosein, T. 2016. The water quality assessment of Nazluchai River Urmia for drinking and agriculture. Fifth Scientific Conference on Integrated Water Resource Management. University of Shahid Bahonar, Kerman

44- Hoseini, M., Mohtadi, M., Talebi, A.A., and **Nazarnejad, H.** 2016. Drought zonation and its impact on environment using SPI index at BarandozChay watershed\_ Urmia Lake. International Conference on Geographic and Environmental Impacts of Urmia Lake Conditions. Tabriz. 23-24 November.

45- Peiki, F., and **Nazarnejad. H.**, 2016. The effect of temporal separation of discharge and suspended load data on the suspended gauge curve at Babaroud hydrometric station, Urmia city. International Conference on Geographic and Environmental Impacts of Urmia Lake Conditions. Tabriz. 23-24 November.

46- Shahhosein, T., **Nazarnejad. H.**, and Asadzadeh, F. 2017. The investigation of Precipitation Concentration Index in West Azerbaijan (Iran) weather stations. The 4<sup>th</sup> international conferences of environmental planning and management. Tehran, 23-24 May.

47- Peiki, F., **Nazarnejad. H.**, and Hamdami, Gh. 2017. Investigating the effect of different rainfall intensities on runoff production and sediment yield in Khangah-Sorkh Watershed (Urmia) by using rain simulator. 12<sup>th</sup> National Seminar on Watershed Management Sciences and Engineering of Iran, Watershed Management and Environmental Crisis. University of Malayer, 10-11 Oct.

48- Alizadeh, Z., Mahmoodzadeh, A., and **Nazarnejad. H.** 2017. The role of different formations of Khangah-Sorkh watershed on sediment yield using rainfall simulator. 12<sup>th</sup> National Seminar on Watershed Management Sciences and Engineering of Iran, Watershed Management and Environmental Crisis. University of Malayer, 10-11 Oct.

49- Moharrampour, E., **Nazarnejad. H.**, and Babaei, S. 2017. Estimation of the net irrigation requirement for cropping patterns in Nazluchai, Urmia using Cropwat software. 12<sup>th</sup> National Seminar on Watershed Management Sciences and Engineering of Iran, Watershed Management and Environmental Crisis. University of Malayer, 10-11 Oct.

50- Hoseini, M., **Nazarnejad. H.**, and Mostafazadeh, R. 2017. Analysis of spatial pattern changes of land use classes on Zulachai watershed based on the landscape metric. 1<sup>st</sup> conference of idea and new technologies in geographic sciences. University of Zanjan, 20 Sep.

51- **Nazarnejad. H.**, Komaki, Ch.B., and Mohtadi, M. 2017. Detection of Land Use Change and its Environmental Impacts in the Miandoab Plain. 5<sup>th</sup> International Congress on Civil Engineering, Architecture and Urban Development. Shahid Beheshti University, Tehran, 26-28 December.

52- Mohtadi, M., **Nazarnejad. H.**, and Komaki, Ch.B. 2017. Assessment of drought indices and its environmental effects on Miandoab plain (West Azerbaijan province). 7<sup>th</sup> international conference on sustainable development & urban construction. Isfahan, Iran. 14-16 December.

53- Irani, T., **Nazarnejad. H.**, and Miryaghoubzadeh, M.H. 2018. Estimation of suspended load using Sediment Rating curve (Case study of Zarrineh rood Watershed). The 3<sup>rd</sup> conference of soil conservation and Watershed Management. Tehran, 19-20 June.

54- Khorrami, K., **Nazarnejad. H.**, and Khorrami, M. 2018. Assessment of Surface water quality in Gharehsou watershed using Schuler and Wilcox diagram. 13<sup>th</sup> national conference on watershed management science & engineering of Iran- 3<sup>rd</sup> national conference on conservation of Natural resources and environment. Ardabil, Iran. 2-3 October.

55- Ahmadi, R., **Nazarnejad. H.**, and Najafi, S., 2018. Distribution and severity of erosion phenomena at Omarabad watershed (Urmia). 13<sup>th</sup> national conference on watershed management science & engineering of Iran- 3<sup>rd</sup> national conference on conservation of Natural resources and environment. Ardabil, Iran. 2-3 October.

56- Hamzhenejad, S., Hamdami, N., **Nazarnejad. H.**, and Khorrami, K. 2018. Drought zonation of Qarasou Watershed using SPI and IDW indices. 13<sup>th</sup> national conference on watershed management science & engineering of Iran- 3<sup>rd</sup> national conference on conservation of Natural resources and environment. Ardabil, Iran. 2-3 October.

57- Mohtadi, M., **Nazarnejad. H.**, Khosravi, S.A., and Zabihi, M. 2018. Climate impact on the desertification situation in both MICD and DIS4ME. 13<sup>th</sup> national conference on watershed management science & engineering of Iran- 3<sup>rd</sup> national conference on conservation of Natural resources and environment. Ardabil, Iran. 2-3 October.

58- Khorrami, K., **Nazarnejad. H.**, and Golshani, M. 2018. Mapping groundwater quality parameters using inverse distance weighting and kriging method (Case Study: Gharehsou Watershed). 13<sup>th</sup> national conference on watershed management science & engineering of Iran- 3<sup>rd</sup> national conference on conservation of Natural resources and environment. Ardabil, Iran. 2-3 October.

59- **Nazarnejad. H.**, and Esfandiari, L. 2019. Erosion risk zoning in the Sufi Chai Watershed using Fuzzy overly model. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

60- **Nazarnejad. H.**, Komaki, B., and Mohtadi, M. 2019. Investigation of the impact of human and natural factors on land degradation using remote sensing technology. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

61- Hanifinia, A.A., **Nazarnejad. H.**, Najafi, S., and Kornejady, A. 2019. Landslide susceptibility zoning using a hierarchical process model in the Cherikabad-Urmia Watershed. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

62- Hamdami, N., **Nazarnejad. H.**, and Najafi, S. 2019. Prioritization of Rowzehchai Subwatersheds (Urmia) Based on Morphometric Analysis. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

63- Esmaeilnezhad, R., Zeinalzadeh, K., **Nazarnejad. H.**, and Mohammadpour, M. 2019. The necessity of detection of rain fed land development as an important management challenge (case study: BaranduzChay sub basin. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

64- Kheiri SoltanAhmadi, R., AzadehDel, A., Omid Bareh Katanlou, N., Moradi, P., and **Nazarnejad. H.** 2019. Assessment of Climate Change Effects on Drought trend during Future Periods in West Azarbaijan Province. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

65- Irani, T., **Nazarnejad. H.**, and Najafzadeh, A. 2019. Estimation of suspended sediment load by curve method (Case Study: Qarasou watershed). 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

66- Khezerlou, S., **Nazarnejad. H.**, and Kheiri SoltanAhmadi, R. 2019. Investigation of drought in groundwater resources of Salmas plain based on SPI index. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

67- Nabipoor, Y., **Nazarnejad, H.**, Mamoodi, N., and Babaei, S. 2019. Evaluation of Tectonic Activity of Gogerd Basin Using the index of Geomorphometry. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

68- Mahmoodi, Z., **Nazarnejad, H.**, Motamedi, J., Sheidai Karkaj, E., and Mofidi Chalan, M. 2019. Effect of aspect on vegetative traits of Astragalus sp. in Rajhan region of Urmia. 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

69- Hesami, S.D., and **Nazarnejad, H.** 2019. Comparison of geomorphologic and morphoclimatic instantaneous unit hydrograph models in determining the shape and dimensions of flood hydrograph (Case study: Ghobghoblo watershed, Saqez city). 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

70- Babaei, S., Irani, T., **Nazarnejad, H.**, and Abghari. H. 2019. Evaluation of Land Use Change Trends Using RS & GIS (Case Study: Qarasou watershed). 14th National Conference on Watershed Management Sciences and Engineering of Iran. Urmia, 16-17 July.

71- Hesami, S.D., & **Nazarnejad, H.** 2020. Evaluation of the Nash and Rousseau Models Effectiveness in Determining the Shape and Dimensions of Flood Hydrograph (Case Study: Ghobghoblo watershed, Saqez City). The 10th National Conference on Sustainable Agriculture and Natural Resources. Tehran, 7 July.

72- Mahmoudi, M., & **Nazarnejad, H.** 2022. Prioritization of Turquoise Palace watershed sub-basins using morphometric analysis. 16th National Conference on Watershed Management Sciences and Engineering of Iran. Shiraz, 8-9 March.

73- Khandooz, S.M., **Nazarnejad, H.**, & Nainava, S.P. 2024. Estimating rainfall with geostatistical methods in Qarasou watershed of Golestan province. 18th National Conference on Watershed Management Sciences and Engineering of Iran. Kashan, 6-7 March

## Supervision of B.Sc. Research Projects

1- Bachelor Projects: Emam kandi Watershed weather and climate Report, 2006. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

2- Bachelor Projects: Emam kandi Watershed surface hydrology Report, 2006. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

3- Bachelor Projects: Khoshalan-urmia Watershed (Head Director): Geology and Geomorphology Report, 2013. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

4- Bachelor Projects: Hendowan- Khoy Watershed (Head Director): Geology and Geomorphology Report, 2014. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

5- Bachelor Projects: Boilapoosh Watershed: soil erosion and soil conservation Report, 2015. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

6- Bachelor Projects: Qushchi Watershed: soil erosion and soil conservation Report, 2016. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

7- Bachelor Projects: Rajan Watershed: soil erosion and soil conservation Report, 2017. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

8- Bachelor Projects: Mir Davood Watershed: soil erosion and soil conservation Report, 2018. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

9- Bachelor Projects: Kaseb Watershed: soil erosion and soil conservation Report, 2019. Department of Watershed Management, Faculty of Natural resources, University of Urmia, Iran

## Supervision of MSc Thesis

1- Mostafazadeh, Raoof. 2008. "Assessing hydrological effects of check dams to determine the best structural management scenario for flood control (case study: Jafar Abad watershed, Golestan Province)". Faculty of Range and Watershed Management, Gorgan University of Agricultural Sciences & Natural Resources, Iran (Adviser)

2- Hanafi, Soily. 2009. Effect of some natural and essential oil compounds on vase life of rose and gladiolus cut flowers. Faculty of Agriculture, Urmia University, Iran (Adviser)

3- Mollaeifar, Isa. 2012. Simulating flood hydrograph in the Ziarat watershed using the KINEROS2 Model. Faculty of Range and Watershed Management, Gorgan University of Agricultural Sciences & Natural Resources, Iran (Adviser)

4- Kheirkhah, Ali Reza. 2014. The Assessment of Sediment Delivery Ratio (SDR) estimation models and determines the appropriate model in Rowzehchah watershed (Urmia). Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

5- Heidari Heidarabad, Marzieh. 2014. Determination of sediment trap structures location in urban water channels using ANP, AHP and TOPSIS. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

6- Narimani, Roya. 2015. "Modeling the Impacts of Land Use Change on Runoff and Sediment Yield with GeoWEPP in Lighvanchai Watershed". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor) (Supervisor)

7- Derakhshani, Ghader. 2015. "The correction of drought SPI and RDI indices by selection the best statistical distributions and applying E-qui probability transformation function (Synoptic stations of the Urmia Lake Basin, NW Iran)". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

8- Hamzeh Ghooshchi, Salar. 2015. "The assessment of mining on soil erosion and Sediment rate at Zareshouran watershed (West Azarbaijan)". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

9- Dehghani Jabbarloo, Milad. 2015. "Simulation of Sediment load using WetSpa model". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

10- Ataloo, Nasrin. 2015. "Comparison of mathematic models and sediment rating curve in estimation of suspended sediment in Nazluchai Watershed (Urmia)". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

11- Yusefi, Behnaz. 2016. "Comparison of different soil erosion and sediment estimation methods in order to correcting of erodibility factor (K) in Watershed". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

12- Eshoei, Edith. 2016. "Investigation of soil salinity in the west side of the Urmia Lake". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

13- Mehdizadeh, Marzieh. 2016. "Normalization of monthly rainfall data in different regions of Iran in order to determine the optimum transform Normalizer". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

14- Abdollahi, Shila. 2016. "The role of watershed management practices in morphological changes of gullies". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

15- Tardast, Zahra. 2016. "Assessment of climate change on Basin runoff (case study: Nazluchai River Basin)". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

16- Ghahremanejad, Eslam. 2016. "Effects of different Land- Use Management Scenarios on Soil Erosion Using USLE Model in KalaybarChay watershed". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

17- Momenian, Parvin. 2016. "Assessment and prioritization of watersheds based on watershed health scores (Khoy, west Azerbaijan)". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

18- Irani, Tayyebeh, 2016. "The impact of land use change on water quality and sediment discharge in Zarrinehroud watershed". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

19- Mohammadnejad, Mohammad Amin. 2015. Assessment of Land Use Changes Using Remote Sensing (Case Study: Village Curran, Mahabad city). University of Afagh.

20- Haji, Khadijeh. 2016. "Prediction of vegetation management scenario effects on erosion and sediment load rate using RUSLE model in Rowzehchai Urmia watershed". University of Mohaghghegh Ardabili. (Advisor).

21- Hoseini, Morteza. 2017. "The use of landscape metric and remote sensing to describe changes in Landuse spatial pattern of Zolachai Watershed, Salmas". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

22- Shahhosein, T. 2017. "Evaluation of temporal and spatial variation of some rainfall erosivity indices in west Azerbaijan Province". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

23- Moharrampour, Elham. 2018. "Locating and priority of suitable area for RainWater Harvesting in Nazluchai Watershed". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

24- Eslami, Hasan. 2017. "Classification favorability of rangelands mountaion of Anbran regarding species diversity". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

25- Alizadeh, Zaher. 2018. "Evaluation of sediment yield production in different geologic formations of Khangahe Sorkh, Urmia watershed area using Rainfall simulator". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

26- Peiki, Faezeh. 2018. "Estimation of runoff and sediment at different slope and landuses in Khanghahe Sorkh Urmia watershed using rainfall simulator". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

27- Mohtadi, Mahsa. 2018. "Climate and Land Use Change Impacts on Land Degradation in the Miandoab Plain". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

28- Sarroud, Shirin. 2018. "Performance assessment and sensitivity analysis of WetSpa a distributed Hydrologic model in riverflow simulation in Siminehroud river basin". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

29- Mahmoodi, Zahra. 2018. "Variability of morphological characteristics of Astragalus sp. Influenced by environmental and management factors in Rajhan rangelands, Urmia". Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

30- Esmaeilnezhad, R. 2019. Investigating Effect of Agricultural Lands Development on Hydrological Conditions of Basin. Faculty of Agriculture and Natural Resources, Department of Water Engineering, Urmia University, Iran (Supervisor)

31- Hanifinia, A., 2020. "Landslide Susceptibility Mapping Using Data Mining and Multivariate Statistical Models in the CherikAbad (Urmia) Watershed". Department of Range and Watershed Management, Faculty of Agricultural and Natural Resources, Urmia University, Iran (Supervisor)

32- Hamdami, N. 2020. SubWatershed Prioritization of Rowzehchai (urmia) using Morphometric analysis and soil susceptibility to erosion. Department of Range and Watershed Management, Faculty of Agricultural and Natural Resources, Urmia University, Iran (Supervisor)

33- Kheiri Soltan Ahmadi, Reza. 2021. Assessment of heavy metal pollution in surface sediment in the Mahabadchai. Department of Range and Watershed Management, Faculty of Agricultural and Natural Resources, Urmia University, Iran (Supervisor)

34- Moradi Chonghoralu, Payam. 2021. Feasibility study of using sediments from sand mines as soil conditioners with an emphasis on its physicochemical properties. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

35- Omid, N. 2021. Assessing statistical models in landslide susceptibility mapping at Goyjebel Watershed, Ahar. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

36- Sabouri, M. 2021. Evaluation of Geomorphometric Parameters Efficiency for Landslide Susceptibility mapping in the CherikAbad Watershed (Urmia). Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

37- Jafari, Afsana. 2023. Particle Size Distribution of trapped sediments behind the check dams in Lashkaran Watershed in Salmas City. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

38- Asgharpour, Atefeh. 2023. Structural sediment connectivity and optimum composite fingerprint in Ideolo watershed of Zanjan province. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Advisor)

### **Supervision of Ph.D. Thesis**

1- Khorrami, K. 2021. Investigating the Relationship between Hydrogeomorphological Factors of Basin with Physicochemical Properties of Sediment in Ardabil Province. ). Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

2- Hesami, S,D, 2024. Estimation and evaluation of land use change impacts on the intensity of future soil erosion based on Markov chain and RUSLE 3D model. Department of Range and Watershed Management, Faculty of Natural Resources, Urmia University, Iran (Supervisor)

### **Teaching and Development of Courses in B.Sc.**

1- Weather and Climate: 2002-2017

2- Applied Hydrology: 2004-2008

3-Application of computer in natural resources: 2003-2008

4-General hydrology: 2004-2008

5- Water Resources Management: 2004- 2008

6- Watershed Management: 2010

7- Soil and water conservation: 2011-2017

8- Cartography: 2006

9- Water harvesting in arid zone: 2005-2019

10- Desert Geomorphology, 2012

11- Applied geomorphology, 2013-2016

12- Geology, 2021-continue

13- Soils in Semi-Arid Regions. 2022- continue

14-Geomorphology1 (Water erosion), 2022- continue

15- Geomorphology2 (Wind erosion), 2022- continue

16- Soil Survey, 2022- continue

17-Quantity surveying and estimating in watershed projects, 2022- continue

### **Teaching and Development of Courses in M.Sc.**

1- Quaternary formation, 2013- continue

2- Erosion and sediment models, 2013-2020

3- Research method, 2013-2014

4- Karst Geomorphology, 2015

5- Mass Movement, 2015- continue

6-Applied sedimentology, 2022- continue

### **Teaching and Development of Courses in Ph.D.**

1-Applied Sedimentology, 2016-2017

2- sediment yield potential of Geological formations, 2017-2020.

3- Quantitative Geomorphology, 2017- continue

4- Sediment Hydraulic, 2017.

5- Source ascription for sediments, 2018-2020.

## Research Projects

- 1- **Nazarnejad, H.** 2005. Prediction of Maximum Flow with Artificial Neural Network (Case study in Nazlu river basin). Urmia University, Iran.
- 2- **Nazarnejad, H.** 2013. Investigation of Drought Indices and Drought Zoning with Appropriate Index. Urmia University, Iran.
- 3-Miryaghoubzadeh, M.H., & **Nazarnejad, H.** 2019. Land fill site selection in West Azerbaijan. Urmia University, Iran.
- 4-Naardejad, H., Komaki, Ch.B., & Servati, M., 2020. Urmia University, Iran.
- 5- Zolfaghari, M., HajiMoradlou, A.M., Shabaniour, B., Yousefi, Z., Paaknejad, H., Sodagar, M., Ojagh, S.M., Mazandarani, M., Daadbaan, Y., Zafarzadeh, A., Aalishaahi, A.R., Namroodi, S., Kordjazi, M., Safari, R., Pouraashoori, P., **Nazarnejad, H.**, & Mehdi pour, N. 2023. Collecting, analyzing and summarizing existing studies on the health-giving effect of Gorgan Bay on the region. Gorgan University of Agricultural Sciences and Natural Resources, Iran.
- 6- Komaki, Ch.B., Asgarai, H.R., **Nazarnejad, H.**, & Alinejad, M. 2024. Land-use Changes Assessment Based on The Markov Chain Model Via Remotely-sensed Data. Gorgan University of Agricultural Sciences and Natural Resources, Iran.
- 7- Sadoddin, A., **Nazarnejad, H.**, Najafinejad, A., & Holisaz, A. 2024. Preparation of Golestan province accident risk reduction program document. Gorgan University of Agricultural Sciences and Natural Resources, Iran.
- 8- Najafinejad, A., Holisaz, A., Sadoddin, A., & **Nazarnejad, H.**, 2024. Preparation of Golestan province preparation and response program document. Gorgan University of Agricultural Sciences and Natural Resources, Iran.

## Book Publication

- 1-**Nazarnejad, H.**, Mohseni Saravi, M., and Vafakhah, M. 2012. Hydrology and the management of watershed management (translated). University of Tehran
- 2-**Nazarnejad, H.**, 2017. Water harvesting for agriculture in the dry area (translated). University of Urmia.

## Professional Memberships

- Watershed management society of Iran
- Iranian association of irrigation and drainage
- Iranian rainwater catchment systems association
- Iranian association of climatology
- Iranian Association of Geomorphology
- Iranian Quaternary association
- Iranian Meteorological association
- Iranian Association for environmental assessment
- The Iranian Society of Irrigation & Water Engineering
- Iranian Association for Range Management
- Iranian hazardology association
- Iranian Remote Sensing and GIS association
- Iranian hydraulic association
- Iranian association of Hydrology
- International association of geomorphologists
- Soil and water conservation society

## **Research and ISI Journals (reviewer)**

- Journal of Applied Science
- Research Journal of Environmental Science
- Journal of Conservation and utilization of natural resources
- Journal of Hydrologic Engineering
- Journal of Watershed Management Research
- Journal of Research and Construction
- Journal of Water Resources and Development
- International journal of Environmental Resources research
- Ecopersia
- Ecohydrology
- International journal of Agricultural economic and extension
- International Bulletin of Water Resources and Development
- Watershed management research
- Applied soil research
- Environmental erosion research journal
- Journal of irrigation and water engineering
- Journal of Forest Research and Development
- Journal of Sciences and Engineering of Iran's Watershed Management
- Engineering of Desert Ecosystem
- Environmental Resource Researches
- Modeling Earth Systems and Environment

## **Management Activities**

Head of watershed management Department, Faculty of Natural Resources, Urmia University: 2007-2008  
Vice chancellor in education affair, Faculty of Natural Resources, Urmia University, 2013-2019.

## **Experts in Software:**

Office, SPSS, ArcGIS, QGIS, SAGAGIS, ENVI, Google earth engine, Machine learning, Python