Biography **C.V (Dr. Mohammad, Khosroshahi)**

Mohammad khosroshahi. Google scholar

Dr. Mohammad, Khosroshahi / professor (Full)

Date of birth: 04/04/1959

Head of desert research division

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Degrees:

BS 1988: Rangeland and Watershed Management, Department of Natural Resources, Tehran University.

MS 1991: Watershed Management, Department of Natural Resources, Tehran University.

Ph.D. 2001: Natural Geography (climate-hydrology), University of Tarbiat Modarras

Research activities:

Finished research projects:

1. Monitoring of climatic factors affecting the intensification of the phenomenon of dust and sand storm (wind erosion) in Iran (National Plan) End: 2022, (PI).

2. Quantitative studies of surface water resources in Hamoon Helmand basin, end: 2022, (PI).

3. Detection of climate change trends and monitoring of drought and dust in Zagros forest degradation sites - Fars province, end: 2022, (PI).

4. Monitoring the drying process of Iranian wetlands and their role in dust production (national plan) End 2021, (PI).

5. Monitoring the drying process of Gav-khouni Wetland and its role in dust production (sub-plan) End 2021, (PI).

6. Study of changes in the area of Hur al-Azim wetland during the 33-year period ending in 2017 and determining the required water content, end 2021, (PI).

7. Evaluating the efficiency of some methods and technologies for dust and sand storm control (wind erosion) in desert areas of Iran, end 2021, (PI).

8. Monitoring of climatic factors affecting the intensification of the phenomenon of dust and sand storm (wind erosion) in Iran (Alborz province) (PI), End 2021.

9. Determining the water requirement of 7 dust centers in Khuzestan province, end 2021, (PI).

10. Evaluation of the efficiency of Nucleus M19 mulch in stabilizing dust and sand storm in the desert areas of Iran (special plan) (PI), End 2021.

11. Investigation of the effect of nucleus mulch on stabilization of sand dunes and permeability to water (laboratory conditions) (special design) (PI), end of 2020.

12. Evaluation of efficiency of several different types of chemical mulch in order to replace oil mulch in stabilization of sand dunes, End 2014, (PI).

13. Study of geohydropedology and vegetation characteristics of wetlands of Iran for their biological regeneration, 2012. (PI).

14. Estimation of water requirements for several woody species in desert areas of the country end: 2011. (PI).

15. Investigation of flood increasing and accelerated causes in Iran with the emphasis on vegetation covers in 2009. (PI).

16. Determining the geographical territory of Iran's desert areas (national project). End 2008, (PI).

17. DeterminingThe role of subwatershed in flood producing potential of watershed, 2001, (PI).

18. Calculation of water balance in watersheds without hydrometric stations in arid and semi-arid regions of Iran. 1988. (PI).

19. Study of Climate Change and Its Effects on Surface and Groundwater Resources in Arak Miqan Desert Basin in a Fifty Years Period, end 2003 (Collaborator).

20. Determining the water requirement of drought-resistant species, studying the water balance and estimating the actual rate of evaporation and transpiration of sands (using a lysimetric system) - Collaborator.

21. Investigation of characteristics and prominent factors of desertification and determining their share and intensity in the basin. 2001 (Collaborator).

22. Using satellite data and GIS in the areas affected by desertification. 2000 (co).

23. Evaluation criteria for the prediction of climate and drought in the desert salt basin, 2004 (co).).

23. Study and evaluation of climatic indicators and determination of appropriate index for drought prediction in Namak desert basin, 2004 (Collaborator).

24. Evaluation and preparation of desertification map using FAO and UNEP methods in the salt lake watershed 2010. Collaborator

25. Investigation of sand dune morphology and physical-chemical characteristics, and mineralogy 2010.. Collaborator

Ongoing research projects:

1- Study of the quality of groundwater resources with emphasis on drinking, irrigation and industry-Gavkhooni catchment area.
2- Soil degradation and subsidence studies under the influence of groundwater resources in the plains of Iran-Gavkhooni watershed.
3- Evaluation and quantitative zoning studies of groundwater resources in the plains of Iran-Gavkhooni watershed.
4- Monitoring the drying process of the central desert lakes of Iran and its role in dust production

Responsibilities:

1. Expert of Natural Resources office, Province of Khorasan (Niashabur) 1979 - 1988.
2. Head of Natural Resources office in Gonabad city, 1988-1989.
3. Assistant Teacher Education in Natural Resources Center, Karaj –kalak 1989-1993.
4. Head of Natural Resources Center, Karaj –Kalak, 1993-1995.
5. Faculty member of Research Institute of Forests and Rangelands, 1995 up to now.

Current responsibility*: Head of desert reseach devision.*

Publications
Scientific-Research article

1. Maryam Naeimi, Jian Chu, **Mohammad Khosroshahi**, Leila Kashi Zenouzi, 2023. Soil stabilization for dunes fixation using microbially induced calcium carbonate precipitation, January 2023, Geoderma 429(2):116183.
2. Gholamreza Rahi, Fatemeh Bahreini, **Mohammad Khosroshahi**, Leila Biabani, 2022. Effect of drought on the frequency of occurrence of dust phenomenon (case study: Bushehr province), Journal of Water and Soil Conservation Research, 29 (1), 51-31.

3. Zohra Ebrahimi Khosfi, Samira Zandifar, **Mohammad Khosroshahi**, Maryam Naimi, 2022. Analysis of the effect of climatic parameters on the number of dusty days in Qazvin province, Journal of Natural Environment, Volume 75, Number 2: 264-276.
4. Maryam Naimi, Maryam Mirakbari, **Mohammad Khosroshahi** and Yaser Ghasemi Arian, 1400. Analysis of the effects of climate change on the frequency of dust events, a case study: Razavi Khorasan Province, Scientific Research Journal of Desert Ecosystem Engineering, 10th year, number 33, pages 78-
5. Leila Kashi Zenouzi Seyed HasanKaboli, Kazem Khavazi, **Mohammad Khosroshahi**, 2022. Investigation of the Effect of Native Cyanobacteria in Sejzi Plain on Wind Erosion Control in the Laboratory, Quarterly journal of Environmental Erosion Research, Vol:45(12:2), Summer 2022, 19-42.
6. Shahbazi Kh, **Mohammad Khosroshahi**, Heshmati M, Saieedifar Z. 2022. Effects of Climate Change on Dust Storm Occurrence in Kermanshah Province, Iran, ECOPERSIA 2022;10(2):121-131.
7. **Mohammad Khosroshahi,** A. Jalili, S. Lotfi Nasab Asl, F. Dargahian, Z. Saieedifar, A. Gohardoust, S. Zandifar, S. Razavizadeh, S. Teimouri, Sh.Banedjschafie, Kh. Shahbazi, H. Abbasi and M. Naeimi, 2021. Evaluation of runoff production due to rainfall in dust source of Khuzestan province, Iranian Journal of Forest and Range Protection Research Vol. 19 No. 1:1-18.
8. Leila Kashi Zenouzi Seyed HasanKaboli, Kazem Khavazi, M. Sohrabi **Mohammad Khosroshahi**, Ulf Karsten, 2021. Selecting phototrophic species of native biocrusts in arid and semi-arid regions, Environmental Health Engineering and Management, 8 (3), 153-167.
9. Rahman Sharifi, **Mohammad Khosroshahi**, Mehdi Sadeghipour marvi, 2021. Monitoring DSI and Lancaster Indices for Study Dust and Sand Storm in Meteorological Mehrabad Station of Tehran, International Journal of Fundamental Physical Sciences Vol 11(No 2):30-42.
10. Maryam Naimi, Mohammad Khosrowshahi, Maryam Mirakbari, Azadeh Gohardost, Samira Zandifar and Tahira Insafi Moghadam, 2022. Analysis of the effects of climate change and surface soil conditions on the frequency of dust occurrences (case study: Razavi Khorasan province) Land Collection Magazine, Volume 13, Issue II, Pages 491-521.
11. Ebrahimi Khusfi Zohre, Reza NafarzadeganAli, **Mohammad Khosroshahi**, 2021. Using multivariate adaptive regression splines and extremely randomized trees algorithms to predict dust events frequency around an international wetland and prioritize its drivers, Environ Monit Assess (2021) 193: 437.
12. Schahram Banedjschafie, **Mohammad Khosroshahi**, Leila Zenouzi, Ali Ashraf Jafari, 2021. Investigation of the effect of Nucleus Mulch (MA-19) on seed germination and seedlings growth of Holoxylon and Qara-Dagh Nitraria, IJRDR_Volume 28_Issue 1_Pages 106-117.
13. Razavizadeh Samaneh, **Mohammad Khosroshahi**, Dargahian. Fatemeh, 2021. Assessment the Impact of Maroon dam on Jarahi river Regime, Extension and Development of Watershed Management,Vol. 9, No. 33, p; 1-9
14. **Khosroshahi Mohammad**, Zohreh Ebrahimi Khosafi, Azadeh Gohardost, Sakineh Lotfi Nasab Asl, Fatemeh Dargahian, Leila Kashi Zanozi, 2020. Monitoring the changes in the surface of Gavkhooni wetland and its

relationship with the phenomenon of dust and the movement of sand dunes around it, Management Journal Desert, No,15, pp. 139-160

15. Mahmoud Abadeh and **Mohammad Khosroshahi**, 2021. Evaluation and monitoring of drought phenomena based on two indicators of SPI and SPEI in Hormozgan province, Iranian Journal of Range and Desert Research, Volume 28, Number 4, pp. 732-718.
16. Ebrahim Yousefi Mobarhan, Mansour Ghodrati, **Mohammad Khosroshahi**, 2021. Monitoring and forecasting of climatic factors affecting the mobility of sand dunes in Semnan province, Journal of Water and Soil Resources Protection, 10th year, No. 4, pp. 141-127.
17. Zahra Saeedifar, **Mohammad Khosroshahi** *, Adel Jalili, Samaneh Razavizadeh, Fatemeh Dargahian, Sakineh Lotfi Nasab, Samira Zandifar,2021. Analysis of the effect of climatic and drought factors on runoff and outflow to Khuzestan plain in Karun basin, Journal Water and Sustainable Development, pp. 54-43.
18. Hadi Drroudy, **Mohammad Khosroshahi**, Masoumeh Shahabi, 2021. Study of changes in drought trends and climatic factors in Sistan and Baluchestan province, Journal of Desert Ecosystem Engineering, Volume 10 - Number 31
19. Leila Kashi Zanozi, Seyed Hassan Kaboli, Kazem Khavazi, **Mohammad Khosroshahi,** Mohammad Sohrabi, 2021. Analysis of spatial distribution **of** soil biological crusts based on BSCI index, Quarterly Journal of Remote Sensing and Geographic Information System in Natural Resources, Volume 12, Number 2,
20. Fatemeh Dargahian, **Mohammad Khosroshahi**, Sakineh Lotfi Nasab Asl, 2021. Possible dangers of drought in Shadegan wetland and identification of areas affected by its dust, Journal of Spatial Analysis of Environmental Hazards, 8th year, No. 2, pp. 14-1.
21. Leila Kashi Zenozi, Seyed Hassan Kaboli, Kazem Khavazi, **Mohammad Khosroshahi**, Mohammad Sohrabi, Farzad Heidari Morchekhorti, 2021. The effect of biological crusts on increasing soil organic acids and plant iron available in Sajzi desert soils, Journal of Desert Ecosystem Engineering, Tenth Year, No. 31, pp. 84-71.
22. Sheila Hajjehforiania, **Mohammad Khosroshahi**, Masoud Borhani, 2021. Evaluation of the effectiveness of rock mulching method against wind erosion (Case study: Segzi Plain and Fasaran Plain of Isfahan), Journal of Desert Geographical Exploration, Volume 9, Number 2, pp. 135-113 .
23. Leila Kashi Zanozi, Seyed Hassan Kaboli, Kazem Khavazi, Mohammad Sohrabi**, Mohammad Khosroshahi**, 2021. Indices of wet and dry aggregate stability in soils covered with mud-dominated biological crust, Iranian Soil and Water Research, Volume 52, Number 6, 1459-1447.
24. Maryam Naimi, Samira Zandifar, **Mohammad Khosroshahi**, Parvaneh Ashouri, Hamidreza Abbasi, 2021. Investigation of the effect of climate change on the mobility of sand dunes in Sabzevar, Desert Management Journal, Year 9, Number 2, pp. 1-18.
25. Mohammad Hadi Rad, Mohammad Hassan Asareh, **Mohammad Khosroshahi**, Mehdi Soltani, 2021. Water consumption management in arid and semi-arid forestry by determining water needs and drought tolerance threshold, Journal of Water Management in Agriculture, Volume 8, Number 1, pp. 66-59 .

26. Sarafrazi Vahid, Leila Kashi Zanozi, **Mohammad Khosroshahi**, 2020. Investigation of the effect of using non-erosive coating on the wind resistance of Tel Hamid sand particles using wind tunnel test, Journal of Desert Ecosystem Engineering, No. 28, Volume 9, pp. 62-49.
27. Lotfi Nasab, Sakineh, **Mohammad Khosroshahi**, Azadeh Gohardost, Farhad Khaksarian and Hamidreza Abbasi, 2020. Assessment of surface flow of Kupal river and runoff production potential of dust production center in the southeast of Ahvaz for wetting, Watershed Management Research Journal, No. 22 , Pp. 67-46.
28. Zandifar Samira, **Mohammad Khosroshahi**, Zohreh Ebrahimi Khosafi, Maryam Naimi. 2020. Using the Leicester index to analyze the activities of sand dunes in arid areas and No. 9 Research on it (Review: Buin Zahra Qazvin region), Journal of Desert Management, 16, Fall and Winter 2020, pp. 1-16.
29. Saeedifar Zahra, **Mohammad Khosroshahi**, Azadeh Gohardost, Zohreh Ebrahimi Khosfi, Sakineh Lotfi Nasab Asl, Fatemeh Dargahian, 2020. Investigation of the origin and spatial distribution of high concentrations of dust and its synoptic analysis in Gavkhoni, Remote Sensing Quarterly and Geographic Information System in Natural Resources No. 4, Volume 11, pp. 64-47.
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31. Ebrahimi-Khusfi Zohre, Maryam Mirakbari, **Mohammad Khosroshahi**, 2020. Vegetation response to changes in temperature, rainfall, and dust in arid environments, Environ Monit Assess 192: 691, p 1-21.
32. Ebrahimi Khus fi Zohre, **Mohammad Khosroshahi**, Fatemeh Roustaei, Maryam Mirakbari, 2020. Spatial and seasonal variations of sand-dust events and their relation to atmospheric conditions and vegetation cover in semi-arid regions of central Iran, Geoderma 365 (2020) 114225 .
33. Zandifar Samira, Zohreh Ebrahimi Khosfi, **Mohammad Khosroshahi**, Maryam Naimi, 2020. Analysis of the effect of climatic parameters and meteorological droughts on internal dust events (Case study: Qazvin city), Journal of Soil and Water Sciences (Agricultural Science and Technology and Resources Natural), Twenty-fourth year No. 3, 93 consecutive, pp. 239-256.
34. Shahbazi Khosrow, **Mohammad Khosroshahi**, Mosayeb Heshmati, Mohammad Gheitouri, 2020. Comparison of the role of geological formation and topographic factors in ditches erosion thresholds, Watershed Management Research Journal, 21 (Spring and Summer 1399), pp. 259-268
35. Lotfi Nasab Asl Sakineh, Fatemeh Dargahian, **Mohammad Khosroshahi**, 2020. Evaluation of water quality of Kopal river and its changes located in Maroon watershed - Jarahi, Journal of Watershed Engineering and Management, Year 12, No. 3 , pp. 835 - 852.
36. Naeimi Maryam, Mohammad Javad Yousefi, **Mohammad Khosroshahi**, Samira Zandifar, Zohreh Ebrahimi Khosafi, 2020. Investigation of the effects of climatic factors on dust, a case study: West of Khorasan Razavi Province, Journal of Desert Geographical Exploration, 7th year No. 2 , pp. 25-45.
37. Zandifar Samira, Elham Fijani, Maryam Naeemi, **Mohammad Khosroshahi**, 2020.Temporal and Spatial Changes of Groundwater Drought Index, Case

Study: Zohreh Watershed - Surgery, Journal of Hydrology, Fourth Year No. 2 (Winter 2009), pp. 108-130.

38. Ebrahimi Khosafi Zohreh, Abbas Ali Vali, Reza Ghazavi, **Mohammad Khosroshahi**, 2020. Investigation of changes in water level and volume of water reserves in the western aquifers of Gavkhoni wetland in the statistical period 1991-2014, Iranian Journal of Water Research, No,35, Pp. 113-123.
39. Ebrahimi Khosafi Zohreh, **Mohammad Khosroshahi**, Maryam Naimi, Samira Zandifar, 2020. Evaluation and monitoring of moisture changes in Miqan wetland using remote sensing technique and its relationship with meteorological drought indicators, Quarterly Journal of Remote Sensing and Geographic Information System in Sources Natural, No. 2 , pp. 1-14.
40. Shahbazi Khosrow, Ali Selajgeh, Mohammad Jafari, **Mohammad Khosroshahi**, 2020. Comparison of topographic threshold of trench erosion in agricultural uses, medium rangeland and poor rangeland in Qasrshirin region, Rangeland and Watershed Management Quarterly, Year 72 No. 1 , Pp. 123-138.
41. Saeedifar Zahra, Mohammad Rahimi, Sakineh Lotfi Nasab Asl, **Mohammad Khosroshahi**, Mohammad Reza Yazdani, 2020. Identifying Factors Affecting Groundwater Resources and Predicting Levels and Changes in Jazmourian Watershed, Iranian Rangeland and Desert Research Quarterly, Year Twenty-sixth, No 1, pp. 143-157.
42. Rahdari, Mohammad Reza, Hassan Ahmadi, Ali Tavili, Mohammad Jafari , Ali Akbar Nazari Samani, **Mohammad Khosroshahi**, Shahrooz Sharifi, 2020. Analysis and wind energy zoning based on sand transport capacity in Qom-Tehran railway, Quarterly Journal of Rangeland Research and Desert of Iran, Twenty-sixth year No. 1, pp. 226-240.
43. Zenozi Leila, Mohammad Reza Yazdani, **Mohammad Khosroshahi**, Mohammad Rahimi, 2019. Investigation of changes in some groundwater quality parameters by land statistical method in the watershed of Marand city - East Azerbaijan, Journal of Water and Soil (Agricultural Sciences and Industries), Volume 32, No. 6, p. 1095-1081.
44. Lotfi Nasab Sakineh, Azadeh Gohardost and **Mohammad Khosroshahi**, 2019. Evaluation and application of geostatistics in identifying and analyzing the drought characteristics of Jazmourian Basin, Journal of Watershed Management, ninth year, No. 18, pp. 12-25.
45. Dargahian Fatemeh, Sakineh Lotfi Nasab and **Mohammad Khosroshahi**, 2018. Analysis of the role of domestic dust centers in creating critical conditions in Ahvaz with emphasis on the southeast center, two scientific-research journals of Iranian Forests and Rangelands Protection, Volume 16 Number 2, page 17.
46. Lotfi Nasab Sakineh, **Mohammad Khosroshahi**, Zahra Saeidifar and Fatemeh Dargahian, 2018. Analysis of Rainfall Changes and Evaluation of Droughts in Jazmourian Watershed Using Routing Methods and Optimal Indicators, Iranian Journal of Rangeland and Desert Research, Volume 25, Number 4, pp. 943-923. 22.
47. H.R. Abbasi, C. Opp, M. Groll, H. Rouhipour, **M. Khosroshahi**, F. Khaksarian, A. Gohardoust, 2018. Spatial and temporal variation of the aeolian sediment transport in the ephemeral Baringak Lake (Sistan Plain, Iran) using field measurements and geostatistical analyzes, Zeitschrift für Geomorphologie 61 (4): 315-326. 23.

48. Sakineh Lot fi nasabasl, V.R. Gunale, **Mohammad Khosroshahi**,. 2018. Applying geographic information systems and remote sensing for water quality assessment of mangrove forest, Acta Ecologica Sinica 38 (2018) 135–143 24.
49. Abolfazl Ranjbar, Marzieh Taabe, Seiied Hojjat Mousavi, **Mohammad Khosroshahi** ,. 2018. Quantifying the Vegetation Health Based on the Resilience in an Arid System, Ekologia 37 (1): 32-41 25.
50. Khosro Shahbazi, Ali Salajagheh, Mohammad Jafari, Hassan Ahmadi, Aliakbar Nazarisamani, **Mohammad Khosroshahi** ,. 2017. Comparative Assessment of Gully Erosion and Sediment Yield in Different Rangelands and Agricultural Areas in Ghasr-e-Shirin, Kermanshah, Iran. Journal of Rangeland Science, 2017, Vol. 7, No. 3, pp.296-306. 26.
51. Marzieh Tabe, Abolfazl Ranjbar Fardavi, Seyed Hojjat Mousavi, **Mohammad Khosroshahi**, 2017. Qualitative study of vegetation reversibility in response to long-term changes in rainfall (Case study: part of Namakzar Khaf watershed, South Khorasan province), Quarterly Journal of Geography and Environmental Sustainability, No. 22, pp. 64-49. 27.
52. **M. Khosroshahi**, M. Abtahi, M. T. Kashki, S. Lotfinasab, F. Dargahian, Z.Ebrahimi,. 2017. Determining the territory of deserts in Iran from the aspect ofnatural environment factors, Iranian Journal of Range and Desert Research,Vo. 24 No. (2), pp. 404-417.
53. S. Banedj schafie, **M. Khosroshahi**, A.A. Jafari, F. Khaksarian and L. KashiZenouzi, 2017. Effects of superabsorbent polymer and Plantbac panels on water consumption and growth in Saxaul in order to create green space indesert regions, Iranian Journal of Range and Desert Research, Vol. 24 No. (1), pp 224-237, (In Persian).
54. Ebrahimi Khusfi, Z., A. A. Vali, **M. Khosroshahi** and R. Ghazavi., 2017. The role of dried bed of Gavkhooni wetland on the production of the internal dust using remote sensing and storm roses (Case study: Isfahan province), Iranian Journal of Range and Desert Research, Vol. 24 No. (1), pp 152-164, (InPersian).
55. Shahbazi Kh., A. Salajagheh, M. Jafari, H. Ahmadi, A. Nazarisamani, **M.Khosroshahi**., 2017. Comparative Study of the Hydraulic Thresholds of Gully Erosion Flow in Different Land Uses(Case Study: Ghasreshirin, Kermanshah, Iran), Journal of Range and Watershed Management, Volume 69, No. 4, pp 931-947. (In Persian).
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59. Vali Abbas Ali, Ebrahimi Khusfi zohre, **Khosroshahi Mohammad**, Ghazavi Rezan 2016. Land use change detection using GIS and RS techniques casestudy: The South east of Zayanderood Basin, Esfahan, Iran, J. Bio. Env. Sci. Pp 87-100.
60. Abtahi, M and **Khosroshahi Mohammad**., 2016. The effect of six chemical and mineral mulch on the establishment and survival of Haloxylon& Calligonum species, Journal of soil and water / Vol. 26 No. 1/1, Ss46-39.
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64. Darioush Ghorbanian, **Mohammad Khosroshahi** and Ehsan Zandi Esfahan,2014. Quality and fluctuations of groundwater level at the humid margin of Damghan Haj Aligholi desert, European Journal of Experimental Biology, 2014, 4(3):653-658.
65. **Mohammad Khosroshahi,** H. Abbasi, M.T. khashki, M. Abtahi, S.J. seyedakhlaghi., 2013. Determination of Iran desert lands based on soil attributes, Journal of Desert Management**,** No. 1, pp:35-44.
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3. Yarahamdi Jamshid and Mohammad Khosroshahi, 2021. Preparation of desertification risk map in East Azarbaijan province based on UNEP index, 8th national conference of Iranian Association of Geomorphology - Geomorphology, functions and needs, collection of articles, pp. 135-141.
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Background studies:

1. Study of climatatology in Comprehensive Plan of Gilan-e-garb, Kermanshah province.
2. Study of climatatology in rangelands Executive plan of Gilan-e-garb, Kermanshah province.

3. Study of Hydrology inTireh basin –Lorestan province.
4. Study of flood formation in Tireh basin –Lorestan province.
5. Study of flood formation in Maroon basin –Boyer Ahmad province.
6. Study of flood formation in Shams Abad basin –sistan & balouchestan province.

Specialized courses have been completed:

1. International Training Workshop on Technology of Combating Desertification., Lanzhou city, Gansu province, (GDCRI), China, 2012.
2. International Extension Course on Desert Control Science and Technology, Gansu Desert Control Research Institute (GDCRI), China, 2004.
3. Watershed management and river engineering, office of soil conservation and watershed management, UND, 1990.
4. Erosion and sedimentation, office of soil conservation and watershed management, UND, 1990.
5. Soil conservation and watershed management, training center clak - Karaj in 1984

Educational activities

Teaching:

1. Climatology, Natural Resources Education Center Dr. Jvanshir - Karaj 2009.
2. Introduction the hydrological model HEC-HMS, Natural Resources Center, Dr. Jvanshir - Karaj 2008.
3. Introduction the hydrological model HEC-HMS, Natural Resources Center, Dr. Jvanshir - Karaj 2007.
4. Use of physiography in natural resources plan, Natural Resources Education Center Dr. Jvanshir - Karaj 2006.
5. Introduction the hydrological model HEC-HMS, Natural Resources Center, Dr. Jvanshir - Karaj 2005.
6. Principles of Ecology, Natural Resources Education Center Dr. Javanshir - Karaj 2003.
7. Principles of Ecology, Natural Resources Education Center Dr. Javanshir - Karaj 2002.
8. Principles of Ecology and Natural Resources Education Center Dr. Javanshir - Karaj 1993.
9. Introduction of Soil Conservation, Natural Resources Training Center, Dr. Javanshir - Karaj 1993.
10. Principles of Ecology and Natural Resources Education Center Dr. Javanshir - Karaj 1992.
11. Cartography, Educational center of natural resources, Dr. Javanshir - Karaj 1992.
12. Introduction of desertification plans, Educational center of natural resources, Javanshir- Karaj 1991.
13. Desertification and combat desertification, natural resource education center Dr. Javanshir – Karaj1990.
14. Principles of Ecology, Natural Resources Education Center Dr. Javanshir - Karaj 1990.

Counseling and guidance of thesis:

1. Investigation of native capacities of soil biological crusts in Desert dust stabilization (case study : Sajzi plain of Isfahan province), PhD dissertation on desertification, Leila Kashi Zenozi, Semnan University, 2018-2021 .
2. Investigation of the process and causes of drought in Jazmourian wetland and its role in dust generation, PhD dissertation on desertification, Zahra Saeidifar, Semnan University, 2017-2020.
3. Determination of ecological resilience in drylands using remote sensing techniques, doctoral thesis in desertification, University of Kashan, Tabe Marzieh, 2015-2017.
4. Assessment of desertification in Kavir plain margin with IMDPA Model (Case Study: Bardaskan city) master's thesis in Geomorphology, Zohreh Taimuri Khwarizmi University, Department of Geographical Sciences,2015-2016.
5. Investigation of drying trend in Gavkhuni lake and it's impact on dust generation using Remote Sensing techniques, doctoral thesis in Geography, University of Kashan, Ebrahimi Zohreh, Advisor, 2014-2016.
6. Analysis of factors and determination of environmental threshold of gully erosion in Qasr-e Shirin in Kermanshah, Iran, doctoral thesis in watershed management science and engineering, Khosrow Shahbazi, Tehran University, 2014-2016, advisor.
7. Changes in Salt Lake Basin deserts in the Quaternary and Holocene period, doctoral dissertation geography, geomorphology trends, Seyed Morteza Abtahi, Isfahan University, Advisor, 2009-2011.
8. Spatial prioritization of flood prone areas in the Roudak watershed using simulated rainfall - runoff, Basharati.Tahereh. Sari, Faculty of Natural Resources - University of Mazandaran, Advisor, 2006.

Book

1- Khosroshahi Mohammad 2015. Determining the geographical territory of the desert areas of Iran, Agricultural Education and Extension Research Organization Publications, 332 pages.
2- Khosroshahi Mohammad and Shahabuddin Ghavami, 2005. Hoshdar (warning-natural resources are the bed of life) published by: Forests and Rangelands Organization of the country (fourth edition).
3- Iran Natural Resources TV, 2012. Publications of the Forests and Rangelands Organization of the country - Chapter 10