

## Conference Paper:

1. Javad Chazgi, Danial Majidifar, Hamidreza Moradi, The impact of watershed management measures on peak and annual flood discharge using the change point method, Second National Conference on Environmental Changes Using Remote Sensing and GIS Technology, Pages 0-0, Sari, 2022 02 23.
2. Seyed Mohammad Tajbakhsh Fakhrabadi, Seyed Mohammad Hassan Siadatifar, Javad Chazgi, Kambiz Ahmadi, Landslide Sensitivity and Zoning Assessment Using Support Vector Machine Algorithm Case Study: Shahrestanak Ailaki Watershed, Khusf County, 17th National Conference on Watershed Science and Engineering of Iran (Watershed Management and Sustainable Food Security), Pages 0-0, Jiroft, 2023 02 28.
3. Javad Chazgi, Ehsan Hamedi, Hamzeh Noor, Simulation and evaluation of runoff in Sarbaz watershed using SWAT model, First International Conference and Second National Conference on Modeling and New Technologies in Water Management, Pages 0-0, Birjand, 2023 02 21.
4. Javad Chazgi, Time series study of saffron NDVI index using Google Earth Engine in Sarayan Plain, Seventh National Conference on Saffron, Pages 0-0, Birjand, 2024 11 13.
5. Javad Chazgi, Application of SWARA method to determine erodible areas in Kardeh Dam watershed, Eighteenth National Conference on Watershed Science and Engineering of Iran - Watershed Management, Recovery and Restoration of Water and Soil Resources of the Country, Pages 0-0, Kashan, 2024 03 06.
6. Javad Chazgi, Determination of desertification-prone areas in the Kaji Wetland watershed of South Khorasan, First National Conference on Environmental Science and Engineering in the Development Horizon, Pages 0-0, Ahvaz, 2024 02 14.
7. Javad Chazgi, Seyyed Mohammad Tajbakhsh Fakhrabadi, Zoning of suitable areas for rainwater harvesting using the SWARA method in the Sadeh watershed of Qain County, 12th National Conference on Rainwater Catchment Surface Systems, Pages 0-0, Bandar Abbas, 2024 02 13.

8. Javad Chazgi, Determination of sand dam-prone areas using the best-worst method in the county among, First International Conference on Sustainable Mountains, Pages 0-0, Ardabil, 2023 12 11.
9. Javad Chazgi, Determining areas susceptible to collecting rainwater for livestock drinking in the pastures of Neyshabur, The First International Conference on Sustainable Mountains, Pages 0-0, Ardabil, 2023 12 11.
10. Javad Chazgi, Evaluating the type and location of implementing watershed management measures using a simulation approach, The First International Conference on Sustainable Mountains, Pages 0-0, Ardabil, 2023 12 11.
11. Javad Chazgi, Hamzeh Noor, The impact of meteorological drought on vegetation index using Google Earth Engine software, The Fifth National Congress on the Development and Promotion of Agricultural Engineering and Soil Sciences in Society, Pages 0-0, Kashmar, 2023 11 06.
12. Javad Chazgi, Ismail Soheili, Investigation of the health and sustainability of the Sadeh watershed in Qain County, 17th National Conference on Watershed Science and Engineering in Iran (Watershed Management and Sustainable Food Security), pages 0-0, Jiroft, 2023 02 28.
13. Javad Chazgi, Fatemeh Modi, Nazanin Zainali, Salman Ebrahimi, Locating the flood spread area using GIS and AHP, a case study of the Karat watershed, The Fifth National Conference on Soil Conservation and Watershed Management, Risks, Protection, Restoration and Sustainable Use of Watersheds, Pages 0-0, Tehran, 2022 05 17.
14. Javad Chazgi, Esmail Soheili, Assessing the health and sustainability of the Bagheran-Birjand watershed, The Sixteenth National Conference on Watershed Science and Engineering, Shiraz, 2022 03 08.
15. Javad Chazgi, Sedighe Ebrahimian, Ismail Soheili, Maryam Beiranvandpour, Evaluation of Meteorological Drought Indices (CZI, ZSI, PNI, SPI) Stations of Lorestan Province in Line with Water Resources Management and Sustainable Development, 16th National Conference on Watershed Science and Engineering of Iran, Pages 0-0, Shiraz, 2022 03 08.

16. Javad Chezgi, Ismail Soheili, Analysis of the Amount and Trend of Monthly and Daily Changes of Fine Dust at the Sarayan City Station, 5th National Conference on Wind Erosion and Dust Storms, Pages 0-0, Yazd, 2022 02 09.
17. Seyed Mohammad Tajbakhsh Fakhrabadi, Javad Chezgi, Amir Alinia, Investigation of the Structure and Performance of Dams as Traditional Structures (Study Area: Shahid Parsa Watershed of Sarayan County, 10th International Conference on Rainwater Catchment Surface Systems, Pages 0-0, Sanandaj, 2021 11 24.
18. Javad Chazgi, Ismail Soheili, Mohammad Reza Kowsari, Determining the Telecommunication Relationship of Meteorological and Precipitation Signals in Arid Regions, 9th National Conference on Rainwater Catchment Surface Systems, Pages 0-0, Tabriz, 2020 09 05.
19. Javad Chazgi, Ismail Soheili, Seyyed Mohammad Tajbakhsh Fakhrabadi, Prioritizing the Potential of Sub-basins for Rainwater Harvesting in the Asyaab Jafteh Region of Kerman, 9th National Conference on Rainwater Catchment Surface Systems, Pages 0-0, Tabriz, 2020 09 05.
20. Javad Chazgi, Seyyed Mohammad Tajbakhsh Fakhrabadi, Ismail Soheili, Majid Asiai, Determining Suitable Areas for Rainwater Harvesting Using the AHP Method in the Bagheran-Birjand Watershed, 8th National Conference on Water Catchment Surface Systems Baran, pages 0-0, Mashhad, 2019 11 26.
21. Javad Chezgi, Ismail Soheili, Abbas Sedghamiz, Investigating land use changes over the past few decades, The First International Conference and the Fourth National Conference on Protection of Natural Resources and the Environment, pages 0-0, Ardabil, 2019 08 27.
22. Javad Chezgi, Seyed Mohammad Tajbakhsh Fakhrabadi, Ismail Soheili, Hamzeh Noor, Determining Erosion-Sensitive Areas Using the AHP Method in the Bagheran-Birjand Watershed, The Fourteenth National Conference on Watershed Science and Engineering, Urmia, 2019 07 16.
23. Javad Chezgi, Ebrahimi Javad, Moradi Hamidreza, Introducing Decision-Making Models in Prioritizing the Location of Underground Dams, The Seventh

National Conference on Water Resources Management, Iran, pages -, Yazd, 2018 10 24.

24. Javad Chazgi, Seyed Mohammad Tajbakhsh Fakhrabadi, Noor Hamzeh, Application of SMCE method in locating rock mesh reclamation dams in Torah region, 13th National Conference on Watershed Science and Engineering and 3rd National Conference on Protection of Natural Resources and Environment, Pages -, Ardabil, 2018 10 02.

25. Javad Chazgi, Ebrahimi Javad, Moradi Hamid Reza, Locating underground dam using Boolean logic in a part of Bushehr province, 4th International Conference on New Findings in Agricultural Sciences, Natural Resources and Environment, Pages -, Tehran, 2018 09 11.

27. Javad Chazgi, Noor Hamzeh, Rajaei Seyed Hossein, Bagherian Ali, Sedigh Reza, Quantitative assessment of groundwater resources in the Qaraqom Basin, Third National Conference on Soil Conservation and Watershed Management (Focusing on Monitoring and Evaluation of Resources and Their Management in Watersheds), Number of pages -, Tehran, 2018 06 19.

28. Javad Chazgi, Noor Hamzeh, Yari Reza, Kargar Mehdi, Prioritizing Sub-basins for Watershed Management Measures in the Tork Basin, 12th National Conference on Watershed Science and Engineering of Iran, Watershed Management and Environmental Crises, Number of pages -, Malayer, 2017 10 10.

29. Javad Chazgi, Specialization Mohammad Reza, Malekinejad Hossein, Nakhaei Mohammad, Assessment of Underground Dams in Sandrak Minab Region, 11th National Conference on Watershed Science and Engineering of Iran, Participatory Development in Watershed Management, Number of pages -, Yasuj, 2016 04 19.

30. Javad Chazgi, Malekinejad Hossein, Ekhtasasi Mohammad Reza, Nakhaei Mahmae, Prioritizing drinking water resources in rural areas using the TOPSIS algorithm, First National Conference on Water Crisis and its Management in Arid Regions of Iran, Pages -, Yazd, 2016 02 03.

## **Journal Paper**

1. Javad Chazgi, Mehdi Hayatzadeh, Mahsa Takshori, Ali Fathzadeh, Akram Bemani Kharanagh, Feasibility study and spatial prioritization of underground dam construction in arid and semi-arid areas (case study: Rodan watershed), Watershed Engineering and Management, Volume 4, Issue 15, Pages 656-672, 2024, isc.
2. Javad Chazgi, Javad Momeni, Seyyed Mohammad Tajbakhsh Fakhrabadi, Ehsan Temski, Analysis of spatial correlation between freezing temperatures and vegetation changes in Iranian watersheds, Rainwater Catchment Surface Systems, Volume 2, Issue 12, Pages 39-58, 2024, isc.
3. Javad Chazgi, Javad Momeni Demneh, Seyyed Mohammad Tajbakhsh Fakhrabadi, Ehsan Temski, Analysis of spatial correlation between freezing temperatures and vegetation changes in Iranian watersheds, Rainwater Catchment Surface Systems, pp. 0-0, isc.
4. Hadi Memarian Khalilabad, Kowsar Hemmatjo, Javad Chazgi, Javad Momeni Demneh, Assessment of the impact of climate change on the potential for runoff production in the Kashmar urban watershed, Rainwater Catchment Surface Systems, vol. 2, no. 12, pp. 83-100, 2025, isc.
5. Javad Chazgi, Ali Jafari, Hadi Memarian Khalilabad, Moslem Rostampour, Investigation of the effect of hydromorphological characteristics of the watershed on the discharge of aqueducts (Study area: Bagheran village, Birjand city), Journal of Aqueducts and Aqueducts, Volume 1, Issue 6, Pages 19-39, 2025.
6. Javad Chazgi, Seyyed Mehdi Khoslati, Seyyed Mohammad Tajbakhsh Fakhrabadi, Morteza Dehghani, Locating suitable areas for flood distribution using the best-worst decision-making method (Case study: Farkhi Dam watershed, South Khorasan province), Rainwater Catchment Surface Systems, Volume 4, Issue 11, Pages 70-88, 2024, isc.
7. Javad Chazgi, Salman Ebrahimi, Sustainability Assessment of the Forg Watershed of Darmin County Using the HELP Method, Khashak Boom, Volume 2, Issue 13, Pages 36-45, 2024, isc.
8. Javad Chazgi, Seyyed Mohammad Tajbakhsh Fakhrabadi, Prioritizing Flooding Sub-basins of the Northern Birjand Plain Using Morphometric Factors and the

VIKOR Model, Soil and Water Management Modeling, Volume 3, Issue 3, Pages 1-15, 2023.

9. Javad Chazgi, Ehsan Hamed, Hamzeh Noor, Studying the Impact of Watershed Management Scenarios on Discharge and Sediment Using the SWAT Model in Arid and Semi-Arid Regions, Khashak Boom, Volume 2, Issue 12, Pages 1-11, 2023, isc.

10. Javad Chazgi, Salman Ebrahimi, Seyyed Mohammad Tajbakhsh Fakhrabadi, Muslim Rostampour, Zoning the health of the Forgh watershed of South Khorasan using the PSR conceptual model approach, Khoshak Bom, Volume 1, Issue 13, Pages 21-33, 2023, isc.

11. Javad Chazgi, Ehsan Hamed, Hamzeh Noor, Simulation of the impact of rangeland improvement scenario on runoff and sediment in the Sarbaz River of Sistan and Baluchestan Province, Desert Ecosystem Engineering, Volume 1, Issue 12, Pages 73-86, 2023, isc.

12. Javad Chazgi, Hava Hosseini, Seyyed Mohammad Tajbakhsh Fakhrabadi, Determining areas susceptible to furrow erosion using the maximum entropy method in the Kaji Wetland of South Khorasan, Desert Management, Volume 3, Issue 11, Pages 89-104, 2023, isc.

13. Javad Chazgi, Seyyedmahdi Kheslati, Seyed Mohammad Tajbakhsh Fakhrabadi, Locating suitable sites for Bandsar construction with BWM and GIS, water harvesting research, Vol. 1, No. 6, pp. 18-54, 2024, isc.

14. Javad Chazgi, Soheila Pouyan, Determining flood-prone areas using machine learning models in the Shahrestanak watershed of Khusf County, Iranian Watershed Management, Volume 63, Number 17, Pages 38-50, 2024, isc.

15. Javad Chazgi, Study and comparison of two SWOT and ANP models in strategic planning for sustainable rural development (case study of North Taghankoh Village), Promotion and Development of Watershed Management, Volume 42, Number 11, Pages 28-39, 2024, isc.

16. Javad Chazgi, Ehsan Hamed, Prioritizing flood risk in Sarbaz River sub-basins using the SWAT model, Drought and Climate Change Research, Volume 3, Number 1, Pages 73-86, 2023.

17. Javad Chazgi, Prioritizing Canals for Integration with Underground Dam for Feeding Using WASPAS Method, Watershed Management Promotion and Development, Volume 41, Number 11, Pages 52-59, 2023, isc.
18. Javad Chazgi, Seyyed Mohammad Tajbakhsh Fakhraabadi, Analysis of Flow Rate Changes in the Tabas River Dam Watershed Using Parametric and Nonparametric Methods, Rainwater Catchment Surface Systems, Volume 9, Number 31, Pages 67-79, 2022, isc.
19. Javad Chazgi, Dr. Farshid Jahanbakhshi, Determining Flood-Prone Areas Using Multi-Criteria Decision-Making Models in the Bagheran-Birjand Region, Geography and Environmental Hazards, Volume 2, Number 11, Pages 16-29, 2022, isc.
20. Javad Chazgi, Ismail Soheili, Application of TOPSIS and VIKOR decision-making models in locating flood distribution in arid and semi-arid areas (Case study: Taybad County), Desert Management, Volume 16, Issue 8, Pages 169-182, 2021, isc.
21. Javad Chazgi, Mohammad Reza Ekhteyasi, Maryam Khajoui, Evaluation of watershed management projects and providing appropriate strategies and solutions for their development using SWOT and AHP models in arid and semi-arid areas, Watershed Engineering and Management, Volume 1, Issue 13, Pages 55-64, 2021, isc.
22. Javad Chazgi, Majid Asiai, Determining Erosion-Prone Areas Using MADM and GIS Models in the Bagheran-Birjand Region, Soil and Water Sciences, Volume 1, Issue 25, Pages 279-293, 2021, isc.
23. Javad Chazgi, Hamzeh Noor, Ali Dastaranj, Mohammad Rostami Khalaj, Evaluating the Effectiveness of a Flood Spreading Plan from the Perspective of Project Marginal Stakeholders (Case Study: Jajarm Flood Spreading), Rainwater Catchment Surface Systems, Volume 28, Issue 9, Pages 21-30, 2021, isc.
24. Javad Chazgi, Ezzatollah Arab Khazaeli, Ali Heshmatpour, Determining suitable locations for constructing underground dams for water resources management in arid and semi-arid areas, Desert Management, Volume 15, Issue 1, Pages 73-84, 2020, isc.

25. Javad Chazgi, Hamzeh Noor, Seyed Mohammad Tajbakhsh Fakhrabadi, Ismail Soheili, Locating and prioritizing suitable locations for constructing earthen dams using Boolean and MADM models, *Watershed Management Research*, Volume 21, Issue 11, Pages 177-185, 2020, isc.
26. Javad Chazgi, Locating and prioritizing underground dams using SWAT and MADM models, *Iranian Watershed Management*, Volume 47, Issue 13, Pages 86-96, 2020, isc.
27. Javad Chazgi, Ezzatollah Arab Khazaeli, Ali Heshmatpour, Morteza Seydian, Prioritizing the appropriate location for constructing an underground dam with AHP in the Kojibod-Balaghli watershed of Garmeh County, *Irrigation and Drainage of Iran*, Volume 2, Issue 13, Pages 354-366, 2019, isc.
28. Javad Chazgi, Eshtiaghi Jo Ahmad, Malekinejad Hossein, Akhtasasi Mohammad Reza, Feasibility study of artificial recharge in Taybad Plain using the Analytical Network Method (ANP), *Khoshakboom*, Volume 2, Issue 8, Pages -, 2019, isc.
29. Javad Chazgi, Malekinejad Hossein, Ekhtasasi Mohammad Reza, Nakhaei Mohammad, Providing a comprehensive and appropriate strategy for the development and construction of an underground dam in southern Iran using the SWOT model and the quantitative matrix QSPM, *Water and Soil Sciences*, Volume 1, Issue 22, Pages 187-198, 2018, isc.
30. Javad Chazgi, Soheili Esmaeil, Niazi Yaghoub, Jahanbakhshi Farshid, Locating and prioritizing suitable areas for constructing rock mesh reclamation dams using the network process analysis model (study area: Torah Dam watershed), *Watershed Management Promotion and Development*, Volume 5, Issue 19, Pages 11-19, 2018, isc.
31. Javad Chazgi, Malekinejad Hossein, Ekhtasasi Mohammad Reza, Nakhaei Mohammad, Prioritizing suitable locations for constructing underground dams using decision-making models in arid and semi-arid regions, *Khoshakboom*, Volume 6, Issue 2, Pages 83-95, 2017, isc.
32. Moslem Rostampour, Reza Yari, Javad Chazgi, Study of vegetation changes along environmental gradients in desert areas (Case study: Western rangelands of Ferdows County), *Desert Ecosystem Engineering*, Issue Pages 0-0, isc.



33. Javad Chezgi, Determination of erodible areas using MCDM models in the east of Iran, Desert, Vol. 1, no. 29, pp. 71-78, 2024, isc.
34. Javad Chezgi, Prioritizing suitable locations for underground dam construction in southeast of Bushehr Province, Environmental Earth Sciences, Vol. 680, no. 80 pp. 1-16, 2021, JCR, Scopus.
35. Javad Chezgi, Mehdi Sepehri, Hossein Malekinezhad, Farshid Jahanbakhshi, Ali Rerza Ildoromi, Omid Ghorbanzadeh, Elham Naghipour, Integration of interval rough AHP and fuzzy logic for assessment of flood prone areas at the regional scale, Acta Geophysica, Vol. 76, no. 14, pp. 1-17, 2020, JCR, Scopus.

### **Thesis:**

1. Feasibility study of mountaineering route indicators in Qaenat County with emphasis on AHP and WASPAS decision-making methods from the perspective of athletes, Mostafa Dehghanpour, 1404/06/31
2. Assessment of the impact of climate change on runoff extraction in the urban watershed of Kashmar, Kowsar Hemmatjo, 1404/11/30
3. Identification and prioritization of mountaineering routes in the Bagheran Mountains using VIKOR and Best and Worst decision-making models, Homeira Dosti, 1403/11/30
4. Assessment of watershed health using the PSR conceptual model (case study of the Fakhran watershed of South Khorasan), Hojat Sahragerd, 1403/11/30
5. Investigation of the impact of hydromorphological characteristics of the watershed on canal irrigation (study area: Bagheran Village), Ali Jafari, 23/10/1403
6. Environmental Impact Assessment of Shadan Gold and Copper Mine in South Khorasan using Leopold Matrix Method, Mohammad Payam, 1403/09/28
7. Locating Artificial Water Resources for Wildlife Using Multi-Criteria Decision Making Methods, Zohreh Chamani, 1403/06/24

8. Investigating Changes in Composition, Production, Diversity, and Status of Rangelands in Wet and Drought Conditions (Case Study: Plant Communities of Darman-Sarbisheh Protected Area), Asmeh Sabbaghi Darman, 1402/06/28
9. Locating and Prioritizing Suitable Areas for Constructing Flood Exploitation Structures with BWM Decision Making Method (Case Study: Qaynat County-South Khorasan), Seyed Mehdi Khoslati, 1402/06/27
10. Assessing the Health and Sustainability of the Forgh Watershed in Darman County, Salman Ebrahimi, 1402/06/27
11. Investigating the impact of different watershed management scenarios on Sarbaz River discharge and sediment using the SWAT model, Ehsan Hamed, 11/25/2021
12. Determining areas prone to gully erosion using the MAXENT maximum entropy method, Hava Hosseini, 11/25/2021
13. Assessing landslide susceptibility and zoning using the support vector machine algorithm (case study: Shahrestanak-Ilaki watershed, Khusf county), Seyed Mohammad Hassan Siyadatifar, 02/18/2021
14. Assessing dams as traditional structures in water and soil protection in the Shahid Parsa Dam watershed of Sarayan region, Amir Alinia, 02/18/2021
15. Investigating the impact of mining activity on soil properties and plant diversity (case study: Hajat Nehbandan mine), Hossein Ehsanipour, 02/14/2020

**Books:**

1. Spatial Modeling in GIS and R for Earth and Environmental Sciences