

- Experienced Climatologist & Professor | Over 23 Years of Experience in Climatology, Expert in Climate Dynamics & Statistical Analysis
- Passionate Educator & Innovative Researcher | Specialized in Climate Change and Sustainable Development & Public Service
- Leading the Charge and Advocate for Data-Driven Environmental Policies

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Personal Information

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- Full Name: Hossein Asakereh

- **Date of Birth:** March 28, 1967

- Nationality: Iran

- Location: Zanjan, Zanjan province, Iran

- Language Background: Persian (Native)
Arabic (Native)
English (Advanced Proficiency)

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Contact Information

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Email: asakereh@znu.ac.ir

Homepage: https://www.znu.ac.ir/members/asakereh-hossein

Google scholar: https://scholar.google.ca/citations?user=45Q-pJ8AAAAJ&hl=en

Web of Science: https://www.webofscience.com/wos/author/record/3776150

Scopus : https://www. scopus.com/authid/detail.uri?authorId=56182934700

Researchgate: https://www.researchgate.net/profile/Hossein-Asakereh

Orcid: https://orcid.org/0000-0001-7699-0547

LinkedIn profile: https://www.linkedin.com/in/hossein-asakereh-72a16189/

X (Formerly Tweeter): @H_Asakereh

Hossein Asakereh (Climatologist)

A committed Climatologist and Professor with over two decades of extensive teaching and research experience in the field of climatology. Expertise in statistical methods applied to climate data and a demonstrated ability to lead research projects addressing key environmental challenges and advancing academic knowledge in climate science. Adept at using data-driven insights to influence public policy and regional planning.

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Work Experience

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Professor

University of Zanjan, Zanjan, Zanjan Province, Iran September 6, 2002 – Present

- Developed and taught undergraduate and postgraduate courses in climatology, with a focus on statistical methods and climate dynamics.

- Lead curriculum development for undergraduate and postgraduate programs in climatology and physical geography.

- Actively engage students with hands-on research opportunities, promoting inquiry-based learning.

- Supervised numerous student research projects and theses, fostering an environment of academic growth and inquiry.

- Engaged in interdisciplinary collaboration on climate-related research initiatives, contributing to a comprehensive understanding of environmental issues.

- Publish and present research findings nationally and internationally, enhancing the university's academic reputation.

High School Teacher

Shadgan, Khuzestan Province, Iran 1993 – 2002

- Designed and implemented engaging lesson plans in geography and science, promoting critical thinking and scientific literacy among students.

- Fostered a passion for science and geography among students through innovative teaching methods and real-world applications.

- Mentored students in advanced research projects, encouraging exploration of environmental and geographic issues.

- Established a successful after-school program that encouraged student-led research on local environmental issues.

Primary School Teacher

Shadgan, Khuzestan Province, Iran 1989 – 1993

- Created a supportive learning environment for early education, focusing on foundational skills in geography and environmental awareness.

- Designed engaging lesson plans that integrated environmental education into the primary curriculum.

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Education

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Ph.D. in Physical Geography (Climatology)

Isfahan University, Iran — March 6, 2002

M.Sc. in Physical Geography (Hydroclimatology)

Isfahan University, Iran — January 20, 1994

Bachelor of Science in Geography Teacher Training

Sistan & Baloochestan University, Iran — September 22, 1993

Postgraduate Diploma in Primary School Education

Ardakan, Yazd Teacher Training School — September 22, 1989

Diploma in Socio - Economic

Shahid Mombani high school, Shadegan, Khuzestan province — September 22, 1987

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Skills

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- Technical Skills

- Advanced Teaching in Climatology (Statistical Climatology, Climate Change) and curriculum design in climatology

- Advanced statistical analysis and modeling in climatology (e.g., Time Series Analysis, Climate Extremes)

- Project Management

- Data Visualization Tools

- Climate Communications

- Interdisciplinary Collaboration

- Proficient with statistical analysis software (SPSS, Minitab, Matlab)

- GIS and remote sensing technology application in environmental research

- Programming proficiency in Python and Matlab

- Data analysis and visualization

- Technical report writing for academic publishing and research documentation

- Proficiency in spoken and written Persian, English and Arabic languages

- Interpersonal Skills

- Excellent communication and presentation skills

- Strong team collaboration and project management skills, and mentorship capabilities

- Adaptive to evolving academic and research environments

- Critical and innovative problem-solving approach and analytical thinking

- Emotional intelligence and conflict resolution skills

- Public Speaking and Outreach

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Certifications and Licenses

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- Professional Certification: Internet Professional Search
- Map Development Certification in Surfer Software
- GIS Application and Data Interpretation Certification
- SPSS Software Certification

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Memberships and Professional Affiliations

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- Member, Society of Water Resources Sciences and Engineering

- Member, Society of Iranian Climatologists

- Active participant in climate science networks and forums.

- Member of editorial board in following (Iranian) Journals:

Climate Change and Climate disaster (Editor - in - Chief); A Young Journal

Physical Geography Research

The Journal of Geographical Research on Desert Areas

Geography and Environmental Planning

Applied Climatology

Geographical Notion

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Peer Review Activities

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International Journals	Iranian Journals
- Reviewer, Arabian Journal of Geosciences	- Reviewer, Hydrogeomorphology
- Reviewer, Theoretical and Applied Climatology	- Reviewer, Journal of Climate Research
- Reviewer, Pure and Applied Geophysics	- Reviewer, Journal of Climate Change Research
- Reviewer, Meteorological Applications	- Reviewer, Journal of Geography and Development
- Reviewer, Acta Geophysica	- Reviewer, Researches in Earth Sciences
- Reviewer, Journal of Water and Climate Change	- Reviewer, Geography and Environmental Hazards
- Reviewer, Journal of Discover Water	- Reviewer, Physical Geography Research
- Reviewer, Advances in Space Research	- Reviewer, Iranian Journal of Geophysics
- Reviewer, Remote Sensing in Earth Systems Science	- Reviewer, Quarterly of Geographical Data (Sepehr)
- Reviewer, Environmental Science and Pollution Research	- Reviewer, Journal of the Earth and Space Physics
- Reviewer, Climate Research	- Reviewer, Geography and Environmental Planning
- Reviewer, Journal of the Earth and Space Physics	- Reviewer, Water and Soil Conservation
- Reviewer, Climatic Change	- Reviewer, Journal of Water and Soil
- Reviewer, Scottish Geographical Journal	- Reviewer, Iran - Water Resources Research
- Reviewer, Geoscience Data Journal	- Reviewer, Ecohydrology
- Reviewer, International Journal of Environmental Science and Technology	- Reviewer, Geographic Research
- Reviewer, Journal of Earth Science	- Reviewer, Geography and Planning
- Reviewer, Weather	- Reviewer, Journal of Natural Environmental Hazards
- Reviewer, Natural Hazards	- Reviewer, Geography and Territorial Spatial Arrangement
	- Reviewer, Geographical Space
	- Reviewer, Journal of Spatial Analysis Environmental Hazards
	- Reviewer, Journal of Applied Research in Geographical Sciences

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Volunteer Experience

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1. Local Climate Action Committee: Join a community-based climate action committee focused on developing and implementing local strategies to reduce carbon emissions.

2. Public Speaking and Workshops: Volunteer to lead workshops or give presentations in local government meetings about the impacts of climate change, sustainable practices, and the importance of climate science.

3. Research Collaboration with Nonprofits: Collaborate with environmental nonprofit organizations on climate research projects (including analyzing data, providing expertise in climate modeling, helping to prepare reports that advocate for policies addressing climate change).

4. Climate Resilience Planning: Participate in local government planning meetings aimed at building climate resilience in the community (Provide insights based on climatological research to help integrate climate considerations into urban planning).

5. School Outreach Programs: Establish partnerships with local schools to create educational programs that teach students about climate science, sustainability, and the importance of environmental stewardship.

6. Tree Planting Campaigns: Volunteer for tree-planting initiatives within the community to promote carbon sequestration and enhance local biodiversity.

7. Advisory Roles: Serve as an advisor or board member for environmental organizations focused on climate policy, where I could influence decision-making and policy advocacy efforts.

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Awards and Honors

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- Excellence in Teaching Award Recipient	2004
- Distinguished Researcher	2005
- Recipient of the Researching Excellence Award	2007
- Award-Winning Researcher	2013
- Best Researcher Award	2017
- Outstanding Researcher	2021

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Professional Development

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- Workshops Attended:

- Advanced Statistical Methods in Climatology (2021)

- Climate Modeling and Simulation Techniques (2020)

- GIS and Remote Sensing Applications in Environmental Studies (2019)

- Workshops on Advanced Statistical Methods in Climatology, Climate Modeling and GIS applications.

- Participated in advanced workshops on climate modeling, statistical methods in climatology, and GIS applications in environmental studies.

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Projects or Portfolios

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- An analysis of the changes in the precipitation-runoff interface within the context of climate change and its projections for the next century, focusing on a case study of the Zayandehroud Basin, conducted from December 2014 to July 2019. Regional Water Company of Isfahan.

- The implementation of climate scenarios to simulate the synoptic patterns influencing Iran's climate over the upcoming century, from December 2014 to December 2019. Research conducted as part of a postdoctoral study.

- Investigations into the development of the study program for Zanjan Province, carried out from June 2014 to November 2016. Management and Planning Organization of Zanjan Province.

- An examination of the changes in the length of the dry season across Iran, conducted from October 2016 to November 2017. University of Zanjan.

- A comprehensive analysis of Iran's cold days, performed from March 2014 to December 2015. University of Zanjan.

- Statistical analysis of the trends in extreme precipitation events in Zanjan City, conducted from February 2018 to February 2019. University of Zanjan.

- An evaluation of the trends in temperature and precipitation patterns in Hormozgan Province, from December 2018 to December 2019. Regional Water Company of Hormozgan.

- An analysis of the probability of occurrence and duration of wet and dry days in Hamadan Province, conducted from December 2018 to December 2019. Regional Water Company of Hamedan.

- A probabilistic analysis of the frequency of early and late frosts in Zanjan, conducted from December 2016 to June 2018. University of Zanjan.

- Identification of synoptic stations representative of changes in rain-producing systems in Iran, conducted from March 2014 to April 2015. Islamic Republic of Iran Meteorological Organization.

- An analysis of the temporal and spatial changes in precipitation in Iran over recent decades, conducted from March 2014 to April 2015. University of Zanjan.

- A statistical analysis of the changes in annual temperature trends in Zanjan over recent decades, conducted from February 2011 to February 2012.

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Publications

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Selected Articles (International)

Asakereh, H., Karbalaee, A.R. & Ashrafi, S. Insights into regional variability and trends of atmospheric blocking of different durations in the Northern Hemisphere: a 44-year ERA5-based analysis. *Acta Geophys.* **74**, 258 (2026). https://doi.org/10.1007/s11600-026-01988-0

Asakereh, H., Zandkarimi, S., & Raispour K. (2026). Multidecadal Projection of Annual Precipitation in Iran Using Spatially Bias-Adjusted ARIMA Models. Meteorological Applications 33(4), July/August 2026 e70236

Rashti, R., Chavoshi, E., Tapak, L. Nikpoor, F., Ayubi, E., Asakereh, H., & Mohammadi, *Y. (2026).* Diversity and spatial distribution of malaria vectors in the WHO Eastern Mediterranean region from 1900 to 2024: a systematic review. *Malar J* **25**, 8 (2026).

Khojasteh, A., **Asakereh, H.** & Shadman, H. (2025). Identification of precipitation cycles in Northwest Iran (NWI) and their association with the Mediterranean Oscillation Index (MOIac). *Acta Geophys.* **73**, 6283–6304 (2025). https://doi.org/10.1007/s11600-025-01709-z

Shadi Y., Morasae E.K., Khazaei S., Nasehi M., Sharafi S., **Asakereh H.**, Tapak L., Kahramfar Z. & Mohammadi Y. (2025). Understanding the mechanisms of climate change impact on tuberculosis: a complex systems approach. BMC Public Health 25, 3382.

Sadeghi, M., **Asakereh, H.**, and Darand,M., 2025. Climatological Analysis of Variability in Snow Cover Features Across Iran During 1981–2022. International Journal of Climatology.

Asakereh, H., Jahedi,A., 2025. Long-term changes in the speed and direction of westerlies in the mid-latitudes of the Northern Hemisphere (MLNH). *Acta Geophys.*

Asakereh, H., Masoodian, S.A., Raispour, K. and Tarkarani, F, 2025. A comprehensive analysis of tempo—spatial changes in Iran's precipitation. *Theor Appl Climatol* **156**, 40.

Poorkarim R., **Asakereh H.,** Martín-Vide J., 2024. Maximum daily precipitation in Iran (1979-2018). Atmósfera 38, 675-686.

Asakereh, H., Barabadi, R.P. 2024. An investigation into the changes in the number and intensity of coincident Mediterranean-Red Sea cyclones (CMRSC) simultaneous with Iran's precipitation. *Earth Sci Inform*. https://doi.org/10.1007/s12145-024-01362-y

Asakereh, H., S Zandkarimi 2024. Temporal and Spatial Variations in Tropopause Pressure Levels (TPLs) Across the Northern Hemisphere. *Pure Appl. Geophys,181: 1617-1632* . https://doi.org/10.1007/s00024-024-03484-2

Asakereh, H., A Jahedi, A Faraji 2024. Investigating monthly geopotential height changes and mid-latitude Northern Hemisphere westerlies. *Theor Appl Climatol*, . https://doi.org/10.1007/s00704-024-04879-w

H Fahimi, A Faraji, B Alijani, **Asakereh, H.**, K Raispour. 2024. Investigating role of tropical-extratropical interactions in formation of atmospheric rivers and supplying extreme-widespread precipitation moisture in Iran: A case study on March 25, 2019. Dynamics of Atmospheres and Oceans, 106:

Asakereh, H., and S. Ashrafi 2024. Tempo-spatial changes in the intensity of high extreme precipitation (HEP) in Iran. Arabian Journal of Geosciences, **17** (1): 49 - 56

Asakereh, H., S.A. Masoodian, and F. Tarkarani 2023. Identification of Iran's precipitation regimes. *Theor Appl Climatol*, 155: 273 - 288.

Asakereh, H., S.A. Masoodian, F. Tarkarani and S. Zandkarimi 2023. Decadal change of Iran's precipitation regime. *Pure and applied Geophysics* **, 180**: 4275-4293.

Asakereh, H., S.A. Masoodian, and F. Tarkarani 2023. Identification of Iran's rainy season and its relation to some spatial features. International Journal of Climatology, 43 (10): 4396- 4423

Asakereh, H., S.A. Masoodian, F. Tarkarani and S. Zandkarimi 2023**.** Decadal variations of the onset, cessation, and length of the widespread rainy season in Iran. *Theor Appl Climatol*, 152: 599-615

Asakereh, H., and S. Ashrafi 2023. An investigation into trends in frequency and proportion of different durations of various types of extreme precipitation in Iran. Meteorological Applications, 30 *(* 1 *)*: 1- 17

Asakereh, H., and S. Ashrafi 2023. Variation in frequency and proportion of duration of rainy days in Iran's precipitation. *Theor Appl Climatol*, 151: 1257 - 1268

Asakereh, H., S.A. Masoodian, F. Tarkarani and S. Zandkarimi 2022. Tropospheric features associated with the onset and cessation of the rainy season in Iran. Acta Geophysica, 71: 10663-1084

Asakereh, H., Younes Khosravi, Doostkamian M., and Mustafa Solgimoghaddam 2019. Assessment of Spatial Distribution and Temporal Trends of Temperature in Iran. Asia-Pacific Journal of Atmospheric Sciences, 56: 549 - 561

Asakereh, H. 2019**.** Decadal variation in precipitation regime in northwest of Iran. Theor Appl Climatol, 139: 461 - 471

Mustafa Solgimoghaddam, Younes Khosravi, **Asakereh, H.**, Doostkamian M. 2019. The Validation of the Thermal Regions in Iran with an Emphasis on the Identification of the Climatic Cycles. Journal of Human, Environment and Health Promotion 5 *(1):* 1-8

Asakereh, H., S. Jahanbakhsh, and S. Ashrafi 2019. On the frequency changes of cyclones affecting precipitation in the Rood Zard basin, Iran **.** Arabian Journal of Geosciences, 12 (2019) *PP*. 1-10 .

Asakereh, H., M.Darand, and M Doostkamian 2018. Analysis of pervasive precipitation in similar gradient areas of Iran . Arabian Journal of Geosciences. 11 (511):1-9

M. Darand R., Garcia-Herrera, Asakereh, H., R. Amiria, and David Barriopedro 2017. Synoptic conditions leading to extremely warm periods in Western Iran. International Journal of Climatology, 38 (1): 307 - 319

Khosravi Y, Lashkari H, and **Asakereh** H 2017. Water Vapor Pressure Trends in South and Southwest of Iran. MAUSAM 68: 335-348.

Asakereh H 2017. Trends in monthly precipitation over the northwest of Iran (NWI) . Theoretical and Applied Climatology. 130: 443–451

Khosravi Y, Lashkari H, and **Asakereh** H 2017. Spatial Variability of Water Vapour in South and Southwest of Iran. MAUSAM, 68: 9-22.

Asakereh H and Shadman H 2016. On the relationship between tropospheric conditions and widespread hot days in Iran. Theoretical and Applied Climatology, 131: 805- 817

Asakereh H, Doostkamian M, and Sadrafshary S 2015. Anomalies and cycles of precipitable water over Iran in recent decades. Arabian Journal of Geosciences 8: 9569–9576.

Sabziparvar A. A., Movahedi S, **Asakereh** H, Maryanaji Z, and Masoodian S A 2015. Geographical factors affecting variability of precipitation regime in Iran. Theoretical and Applied Climatology 120: 367–376.

Nasrabadi E, Masoodian S A, **Asakereh** H 2013. Comparison of Gridded Precipitation Time Series Data in APHRODITE and Asfazari Databases within Iran's Territory. Atmospheric and Climate Sciences, 3 (2):235-248.

Asakereh H 2008. The Changes of Precipitation Frequency Distribution in Iran. Journal of Humanities The University of Isfahan 30:81-90.

Selected Articles (Persian)

Shadman, H., **Asakereh, H.** (2026). Analyzing the Dynamics of Precipitation Frequency and its Prediction in North-western Iran Based on Chaos Theory. Geography and Development, 84: 197-220

Vaziri Mehr, M., **Asakereh, H**.,& Hamidianpour, M. (2026).Variation in the rainy season over Iran. Iranian Journal of Geophysics.

Asakereh, H., and Taheri, M. (2026). Analyzing the trend of widespread hot days in the coasts of the Persian Gulf. Journal of Applied Research in Geographical Sciences, 26 (81): 152-169

Vaziri Mehr, M., **Asakereh, H.,** & Hamidianpour, M. (2026). Identifying the Rainy Season in Iran. Journal of the Earth and Space Physics 52 (1), 179-194.

Heydari monfared, Z., Mirmousavi, S.H., **Asakereh, H.**, & Raisipour, K. (2026). The study of spatial autocorrelation changes within decades of the annual average snow density in northwest Iran. Geographic Data, 34 (136): 97-121.

Shahbaee Kotenaee A, **Asakereh H.** (2025). Analysis of temporal-spatial trends and existing cycles in Iran's precipitation during recent decades. Geographic Space, 6(91): 121-146. khojasteh, A., **Asakereh, H.**, & Shadman H. (2025). Analyzing the Relationship Between the Mediterranean Oscillation Index (MOIac) and Precipitation in Northwest Iran. Climate Change Research 6 (24): 1-24

Rezaie J., Jalali M. **Asakereh H**., Mahmoudi P. (2025). Analyzing the dynamics of vegetation cover in Iran's Basins in relation to drought conditions. Journal of Climate Change Research, 6 (23): 21-40.

Alizadeh H., **Asakereh H.**, Raispour K. (2025). General Characteristics of the Lightning Phenomenon in Iran. Journal of Geography and Environmental Hazards, 14 (3): 140-165.

Vosoughirad L; Mirmousavi S. H. **Asakereh H.** (2025). Evaluation of the Accuracy of CMIP6 Climate Models in Estimating and Predicting Precipitation at High- Precipitation Stations in Gilan Province. Journal of Climate Change Research, 6 (22): 1-22.

Asakereh, H., Somayeh Taheri Alam، , and Nosrat Farhadi (2025). Changes in normalized difference vegetation index (NDVI) concerning the change in precipitation climatology in Iran. Scientific- Research Quarterly of Geographical Data (SEPEHR), 133: 113-127.

Mohammadi M, **Asakereh H**, faraji A. (2025). Modeling Natural Gas Consumption Demand Based on Climatic Conditions in Zanjan City. *jgs*. *25*(78), 398-413.

Asakereh, H; Ashrafi, S. 2025. Comparison of correlation and mean methods in selecting Indicator days of sea level pressure patterns combined with heavy and pervasive rainfall in Iran. Journal of Climate Research. 15 (59): 1-16.

Shahbaee Kotenaee A., and **Asakereh H.** (2025). Synoptic - Dynamic analysis of Winter Cold Waves in Iran. Geographic Space. 24 (88): 168 - 198.

Rabieegafār, Z., **Asakereh, H.**, & Khosravi, Y. (2024). Investigating Decadal Changes in the Probability of Iran's Precipitation Duration (1977-2016). Scientific - Research Quarterly of Geographical Data. 33 (131): 85 - 103.

Rabieegafār, Z., **Asakereh, H.**, & Khosravi, Y. (2024). Investigating Temporal-Spatial Changes in the Probability of Precipitation Durations in Iran. *Geographical Studies of Coastal Areas Journal*, *5*(2), 1-19.

Shamohamadi, Z., Yarahmadi, D., **Asakereh, H**., & Mirhashemi, H. (2024). Analysis of Time Groups Governing the Temporal-Spatial Changes of Iran's Annual Rainfall. *Physical Geography Research*, *56*(2), 71-89.

Asakereh, H., H Shadman (2024). A survey on the trend of the mean annual precipitation frequency in northwest of Iran in the statistical period 1970 to 2013 using polynomial regression and discrete wavelet transform. *Changes and Climate disasters*, 3(5): 134 - 158.

Hesami N, **Asakereh H** and Raispour K (2024). Evaluation of the response of runoff to decadal changes of land cover and climatic parameters of precipitation and snow in the Zayandeh Rood basin. Iran-Water Resources Research, 20(1), 17-36. https://doi.org/10.22034/iwrr.2024.191695

Asakereh H, Motevali Meydanshah F., and Ahadi L. (2024). Application of Artificial Neural Networks (ANN) to simulate the daily maximum temperature for the coming century - A Case study of Yazd synoptic station. Scientific- Research Quarterly of Geographical Data (SEPEHR), 33(129), 39-58. https://doi.org/10.22131/sepehr.2023.1989841.2959

Razmi R, **Asakereh H**, and Massodian S.A. (2023). Climatic-Comparative Approach on the Relationship between Precipitation - Runoff in Large Karun Sub-Basins. Journal of Geographic Space, 23(84), 191-216. http://geographical-space.iau-ahar.ac.ir/article-1-3989-fa.html

Asakereh H, Poorkarim R, Faraji A., and Khosravi M. (2023). Examining Trends of the Intensity of Mediterranean-Red Sea Cyclones. Physical Geography Research, 55(4), 27-44. https://doi.org/10.22059/jphgr.2024.363162.1007785

Heydari Monfared Z., Mirmousavi S.H., **Asakereh H**, and Raispour K. (2024). Investigating spatial-temporal changes in the average snowmelt of cold seasons in the northwestern region of Iran. Climate Change Research, 4(16), 45-62. https://doi.org/10.30488/ccr.2024.425269.1176

Poorkarim R., **Asakereh H**., Faraji A., and Khosravi M. (2023). Analyzing the Long-Term Changes in the Mediterranean-Red Sea Hybrid System. Geography and Development, 21(73), 143-165. https://doi.org/10.22111/gdij.2023.45588.3522

S Taheri Alam, **Asakereh, H.** 2023. Climatic feasibility of wheat crop in Lorestan province. Climate Changes and Climate disasters**,** 2(4): 143-163

Ahadi L., **Asakereh H**, and Khosravi Y. (2023). Simulation of Zanjan temperature trends based on climate scenarios and artificial neural network method. Journal of Spatial Analysis Environmental Hazards,10 (2) :1-20. http://jsaeh.khu.ac.ir/article-1-3350-fa.html

Asakereh H, and Shahbaee Kotenaee A. (2023). Analysis of the Temporal-Spatial Trend of Frequency of Daily Extremes Precipitation in Iran. Journal of Water and Soil Science, 27 (2) :209-222. http://jstnar.iut.ac.ir/article-1-4332-fa.html

Ahadi L., **Asakereh H** , and Khosravi Y. (2023). Statistical simulation of extreme temperatures in Zanjan based on climate scenarios. Researches in Earth Sciences, 14(2), 1-19. https://doi.org/10.48308/esrj.2023.103377

Hesami N., **Asakereh H**., and Raispour K. (2023). Decadal Variation of Evaporation in Relation with the Variability of Some Climatic Elements in the Zayandeh Roud Basin. The Journal of Geographical Research on Desert Areas, 11(1), 1-17. https://doi.org/10.22034/grd.2023.18986.1549

Poorkarim R., **Asakereh H**., Faraji A., and Khosravi M. (2023). Trends analysis of changes in the number of the Mediterranean cyclones (1979-2018). Journal of Spatial Analysis Environmental Hazards, 9 (4):211-222. http://jsaeh.khu.ac.ir/article-1-3231-fa.html

Shahbaee Kotenaee A., and **Asakereh H**. (2023). Evaluation of Fuzzy Clustering and Artificial Neural Network Methods in Spatial Zoning of Annual Precipitation in Iran. Journal of Water and Soil Science, 27 (1):17-32. http://jstnar.iut.ac.ir/article-1-4249-fa.html

Faraji A., **Asakereh H**., Mirmosavi H., and Motalebizad S. (2023). Evaluation of Urbanization Impacts on Minimum and Maximum Temperature Changes in Urban Areas, Case Study: Northwest of Iran. Journal of Urban Ecology Researches, 13(4):53-74. https://doi.org/10.30473/grup.2020.46858.2373

Sabzi Sorkhani H., Faraji A., and **Asakereh H**. (2023). Investigating and zoning the climatic comfort of tourism in Gilan province using the TCCI index. Scientific- Research Quarterly of Geographical Data (SEPEHR), 31(124), 119-135. https://doi.org/10.22131/sepehr.2023.550060.2855

Shahbaee Kotenaee A., and **Asakereh H**. (2023). Spatial Zoning of Iran's Annual Rainfall using ANFIS-FCM Artificial-Fuzzy Neural Model. Journal of Water and Soil Science, 26 (4) :49-63. http://jstnar.iut.ac.ir/article-1-4220-fa.html

Hosseini Seddigh S.M., Jalali M., and **Asakereh H**. (2022). Tropical belt expansion of northern hemisphere in the middle latitudes. Journal of Spatial Analysis Environmental Hazards, 9(3):155-176. http://jsaeh.khu.ac.ir/article-1-3289-fa.html

Razmi R., **Asakereh H**., and Massodian S.A. (0621). An Explanation of the Impact of Changes in climate elements on the land use changes in the Karoon River Basin. Geographical Studies of Coastal Areas Journal, 3(4), 69-89. https://doi.org/10.22124/gscaj.2023.22236.1161

Raispour R., and **Asakereh H**. (2022). Investigating the Role of Interaction between Cut-Off Low Coupled Patterns and Polar Front Jet Stream in Heavy Rainfall of April 2019 in Lorestan Province. Journal of Geography and Environmental Hazards, 11(3), 225-249. https://doi.org/10.22067/geoeh.2021.67237.0

Asakereh H ., and Varnaseri Ghandali N. (2022). A description on decadal changes in warm season average of precipitation over the Caspian coast of Iran territory. Journal of Applied Research in Geographical Sciences, 22 (64):422-405. http://jgs.khu.ac.ir/article-1-3338-fa.html

Hosseini Seddigh S.M., Jalali M. and **Asakereh H**. (2022). Correlation and Regression Hadley Circulation and Atmospheric Components with Atmosphere Droughts in IRAN. Journal of Geography and Planning, 26(81), 79-63. https://doi.org/10.22034/gp.2022.47673.2886

Asakereh H., and Khani Temeliyeh S. (2022). Analyzing the amount and frequency of daily precipitation in west and southwest Iran during the statistical period of 1979- 2016 affected by the Red Sea low pressure. Scientific- Research Quarterly of Geographical Data (SEPEHR), 31(122), 151-166. https://doi.org/10.22131/sepehr.2022.254787

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Social Media and Online Presence

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There are lecture of mine broadcasted on Facebook and Instagram as well as internet

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Future Goals

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- To further investigate the impacts of climate change on local environments in Iran and contribute to sustainable regional planning.

- Seek opportunities for international collaboration on climate research and education initiatives.

- To publish impactful research that informs policy decisions and enhances understanding of climate dynamics in the Middle East.

- To mentor the next generation of climatologists through innovative teaching and research collaborations.

- Enhance the integration of climate science into public policy for improved resilience against climate variability.