

Biography

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Phone Number: +989121263968

Rank: Full professor

Department: Physical Geography

Faculty: Earth Science

University: Shahid Beheshti



Teaching Experience

1. Tarbiat Moalem University 1999-2008
2. Shahid Beheshti University 2009-now

Founder

1. Founder of GIS Expert Service Organization, 2000
2. Co-Founder of Iranian Geomorphology Association, 2010
3. Co-Founder of the Center of Excellence for Spatial Analysis of Environmental Hazards, 2008
4. Co-Founder of Hazard-ology Association, 2013
5. Co-Founder of Crises management Association, 2013

Membership

1. Iranian Geomorphology Association
2. The Center of Excellence for Spatial Analysis of Environmental Hazards
3. Hazard-ology Association
4. Crises management Association
5. Iranian Geography Association

Awards & Honors

1. Brilliant researcher in Tarbiat Moalem University, 2005

2. Brilliant researcher in Helal Ahmar, 2005
3. Brilliant researcher in Shahid Beheshti University, 2012
4. Top article in Crisis Management Conference, 26 DEC, 2015

Professional Experiences

1. Associate professor in Tabiat moalem University, 1999-2008
2. Associate professor in Shahid Beheshti University, 2009-Now
3. Master of GIS Center in Gahad Daneshgahi, 1999-2003
4. Broad of Director in GIS Center in Gahad Daneshgahi, 2003-2005
5. Member of the Scientific Committee for Strategic Studies in Tehran, 2009-2010
6. Deputy of Education Faculty of Earth Sciences, 7 OCT 2015-Now

Specialization

1. Geomorphology
2. GIS&RS
3. Natural Disaster

Educational Background

1. PhD , Geomorphology, Tehran University
2. MS. Physical Geography(Geomorphology), Tehran University
3. MS. Physical Geography(Climatology), Azad Imlami, Tehran University
4. DS. Physical Geography, Tarbiat Moalem University

Research Interests

1. Natural Disaster
2. Modeling in Geomorphology
3. GIS&RS
4. Urban Geomorphology
5. Applied Geomorphology

Course Taught

1. Theory of Geomorphology
2. Geomorphology(structural, systemic, Urban)
3. Advance Technique on Geomorphology
4. Applied Geomorphology
5. Application of GIS and RS on Geomorphology and Natural Disaster
6. Natural Disaster
7. Application of Radar images on Geomorphology

Hobbies

1. Tourism
2. Sport
3. Poem

Books:

1. Geography Information System, Payamnoor Publisher.2010.
2. Geographic Information Systems in a 3D Environment, 3D GIS in ArcGIS, Jihad Daneshgahi Press, 2005.
3. Applications of ArcView in Geomorphology, Jihad Daneshgahi Publisher Tarbiat Moallem Unit, May 2004.
4. Encyclopedia of Environmental Hazards. The Center of Excellence for Spatial Analysis of Environmental Hazards, Kharazmi University. 2013.
5. Environmental Hazards. The Center of Excellence for Spatial Analysis of Environmental Hazards, Kharazmi University. 2016

Essays Published in Journals:

1. Flood Vulnerability Assessment in Northwestern Areas of Tehran, Journal of Disaster Research Vol.11 No.4, 2016
2. Glacial Landforms in Border Mountainous Areas Between Iran and Iraq, Asian Journal of Earth Sciences, 9(1), 16-26-2016
3. An Investigation of Chaos in Micro-Landforms in the Gavkhooni, Wetland Geodynamics Research International Bulletin (GRIB), Vol. (2), No. 02, SN:06, Summer 2014
4. An Application of Geomorphologic Indices in Classification of Fluvial Landforms: a Case Study of Razavar River .Geodynamics Research International Bulletin, Vol. (3), No. 04, SN:12, Winter, 2015
5. Earthquake effects on occurrence of slope instability, Case Study (Khoeye and Salmas Provinces) .Geodynamics Research International Bulletin (GRIB), Vol. (II)– No. 01, SN:04, Special Issue on 2013 Saravan Earthquake, Sistan & Baluchestan.
6. An Analysis of Land Use Instability in Urban Settlements in Southwestern Tehran Metropoli, farhadi & ghahroudi, Issue 21(2), January 2014, pp. 91-98.
7. Geomorphological and Sedimentological evidence of alpine glaciers in the Zagros Mountains, Dinevar, Iran, Journal of Tethys: Vol.1, No. 1, 85-95,ISC. 2013.
8. Spatial distribution and mapping of risk elements pollution,in agricultural soils of southern Tehran, Iran, PLANT SOIL ENVIRON., 56, 2010 (6): 288–296
9. Assessment of As and Cd contamination in topsoils of Northern Ghorveh (Western Iran): role of parent material, land use and soil properties, Environ Earth Sci DOI 10.1007/s12665-011-0935-x

10. Multi-criteria evaluation to select sites for ecotourism facilities: a case study Miankaleh Peninsula, *An International Journal of Tourism and Hospitality Research Anatolia*:
11. Urban flooding management using the natural drainage system case study: Tehran, capital of Iran, *Floods: From Risk to Opportunity* (IAHS Publ. 357, 2013, Red Book.
12. Hazard Zonation of Occurrence of Mass Movements in Iran Mountain Roads through Fuzzy Logic Method and AHP, *International Journal of Agriculture and Crop Sciences, IJACS/2012/4-8/448-457*.
13. Estimating Snow Budget of Karaj Dam Reservoir, *American Journal of Applied Sciences, Sciences,6(5): 2009*
14. Developing a climate model for Iran using GIS., *Theoretical and Applied Climatology, 2007*
15. Monitoring of costal landforms changes in north of Persian Gulf(Asaluyeh Region),Iran, *Environmental Application & Science, 4(4). 2009*.
16. Applied of Logistic Regression on assessment of landslide, case study: Nogean basin, *Geography Environmental.1(1):2010*
17. Applied of WebGIS on integrated management in natural disaster ,*Emdad and Nejat Journal. 1:2009*
18. Change detection of Costal lanform in Asalueh Area. *Territory, Quarterly, Science & Research Branch of Azad University, No.22:2009*
19. Zoning of landslide Potential In ShahJahan slope with Employment of GIS,*Recherches Geography,2007*
20. Zoning of landslide Potential In Sorkhab Basin (Ilorestan Province) with Employment of Weight Model, *Territory, Quarterly, Science & Research Branch of Azad University, No.10, 2006*.
21. Ealuation of Elevation Models, Construction and Modification Methods" *Geographical Research Quarterly, Science & Research Branch of Tehran University, No.57, summer 2006*.
22. Assessment of SCS-CN Model in Runoff Estimation,Case Study: Amir Kabir(Karag) Dam Watershed, *Geography and Developing,No:7,2006*
23. Application of Digital Elevation Model in Decreases of Natural Disaster in RoadsCase Stydy: Chalooos Road (Karag Dam to Kandovan Channel), *Territory, Quarterly, Science & Research Branch of Azad University, No.5, 2005*.
24. Application of Metadata in Integrated Coastal Zone Management, *Geographic and Regional Developing,No 5, 2006*.
25. Applications of Geographic Information Systems (GIS) in Rural Management, *Dehyariha Monthly, No. 14, 2005*.
26. Control of Construction with using Geography information System, *Dehyariha Monthly, No. 16, 2005*.
27. Geographic Information Systems (GIS) and Its Position in Education, *Amouzesch Quarterly, Jihad Daneshgahi Education Dept., Spring 2004*.

28. "Assessment of Cell Analysis (GIS) Method in Determining Areas Prone to Slope Movements," Territory Quarterly, Science & Research Branch of Azad University, No. 2, Summer 2004.
29. Assessment of Krijing Method in Interpolation, Geographical Research Quarterly, Science & Research Branch of Tehran University, No. 43, Summer 2004.
30. Zoning of Destruction Arising from Earthquake in Karaj County, Abad Boom Journal, Association of Civil Engineers and Development Process, 2002.

Papers Presented to Congresses and Scientific Meetings:

1. VULNERABILITY OF EAST IRAN RAILWAY AGAINST FLOODS , International conference on Flood Management, Saopaulo,Berezil, 2015.
2. FLOOD VULNERABILITY ASSESSMENT IN TEHRAN CITY (IRAN), International conference on Flood Management, Saopaulo,Berezil, 2015.
3. Flood Vulnerability Assessment in Tehran City (Iran).International conference on Flood Management, Brezil, Saopaulo, 2014.
4. Vulnerability of East Iran Railway against Floods, International conference on Flood Management, Brezil, Saopaulo, 2014.
5. Damaging effects of climate change on Playa GeotourismGavkhouni,Geomorphic. , Processes and Geoarchaeology from Landscape Archaeology To Archaeotourism, August, Moscow-Smolensk, Russia, 27-31, 2012.
6. The Impacts of Climate Change On Geotourism In Maharlou Playa, Iran, Processes And Geoarchaeology From Landscape Archaeology To Archaeotourism, August, Moscow-Smolensk, Russia, 27-31, 2012.
7. Impact of Quaternary Climate Changes On Slope Instabilitycase Study:Molab Mountain Basin(Zal River), ran.32ndinternationalgeographical Congress. Cologne,August 26-30 2012.
8. An Investigation on the Origins of Dust Storms and Their Development over Ira May, 2012, Kermanshah.
9. Urban Flooding Management Using Natural Drainage Pattern, Case Study: Tehran As The Capital Of Iran , 5th International Conference On Flood Management (Icfm5), 27-29 September 2011, Tokyo-Japan
10. Assessment Of Climate Change In Southern Caspian Sea (Khazar Sea), Astrakhan, Russian Federation, 19-20 October 2010
11. Integrated Flood Management in Tehran Using GIS And Remote Sensing , 6th International Remote Sensing & Gis Conference And Exhibition, MRSS 2010, PWTC, Malaysia. April 28-29, 2010

12. The changes of snowline in Haraz basin, north of Iran. the 7th International Conference on Geomorphology, Melbourne2009,
13. Impact Assessment of litlogy in landforms of Polour basin in Iran. the 7th International Conference on Geomorphology, Melbourne,2009
14. Comparative Study Climatic Changes with Contemporary Basin River Changes in Iran, XIIIth IWRA World Water Congress,1-4 September, Montpllier,France,2008
15. Zonation of flash floods in urban areas. A Case Study: Darband basin in North Tehran, 4th International Symposium on Flood Defiance, may 2008, Toronto,Canada,
16. Prediction of Rain and Snow Budget in Estimation of Rivers' Input to Amir Kabir Dam's Reservoir by Means of IRS and MODIS Images, 6th FIG Regional Conference San José, Costa Rica 12–15 November 2007
17. Integrated Flood Management in Tehran Using GIS and Remote Sensing, 6th International Remote Sensing & GIS Conference And Exhibition, MRSS 2010, PWTC, Malaysia. April 28-29, 2010
1. Water Management in Islamic Country with Monitoring of Flood and Sewage Case Study: Hirmand Basin,4th International Congress of the Islamic World Geographers, Zahedan,14-16 April 2010,
2. Water Management by using Geodatabase, Case Study: Agriculture farm in South of Tehran, Kerman, 2009.
3. Applied of Fuzzy-Logic on Assessment of erodity, Case Study:Zagross Dam, Orumieh, 2009
4. The changes of snowline in Haraz basin, north of Iran. the 7th International Conference on Geomorphology, Melbourne2009,
5. Impact Assessment of litlogy in landforms of Polour basin in Iran. the 7th International Conference on Geomorphology, Melbourne,2009
6. Hydromorphic Zoning, a Strategy in Flood management in Tehran, 4th International Conference on Disaster Management & Civil Defense for national Resiliency,Tehran,2009
7. Comparative Study Climatic Changes with Contemporary Basin River Changes in Iran, XIIIth IWRA World Water Congress,1-4 September, Montpllier,France,2008
8. Variation of elements of climatology in Iran's basin rivers,3th management of water's recourses of Iran, , October 2008,
9. Application of Geomorphology and Geostatistic in assessment of physical weathering of constructional material in Tehran, Applied Geomorphology in planning and management, October 2008
10. Applicatin of Geomorphology on assessment Phisical Weathering in structural material , Geomorphology Study in Environmental Manegment, Asad Islamic University, Tehran, 2008

11. Application of AGREE Method in Chanals's Management , Engineer of Chanals, Mashad,2006
12. Prediction of SDI for Iran's Basin River,Spaial Structure System,GIS 55, Gheshm Iland,2006
13. Urban flooding management with Geodatabase Designing,Case Study:Noor City, Integrated Natural Disasters Management,Tehran,2006
14. Flood Prediction in Golestan Dam II Basin by Means of GIS and Artificial Neural Systems, Conference on Natural Disasters, and Ways of Confronting Them, Tabriz, Iran, October 2005.
15. Applications of ANOVA Methods in Assessment of Natural Disasters Zoning Models, Conference on Natural Disasters, and Ways of Confronting Them, Tabriz, Iran, October 2005.
16. Assessment of Cell Analysis (GIS) Method inDetermining Areas Prone to Slope Movements, Sixth International Conference on Geomorphology, September 7-11, 2005, Zaragoza, Spain.
17. The combination of GIS ,RS and ANN in the modelling of sediment prdiction, Sixth International Conference on Geomorphology, September 7-11, 2005,Zaragoza,Spain.
18. Assessment of Variance Analysis (Scheffe's Method), In the Modification of GIS Sediment Models(A Case Study:Lar River Basin), Human mpacts on Soil Quality Attribute , September 12-16, 2005, Isfahan, Iran
19. Zoning of Weathering Areas in Iran," Ninth Congress of the Iranian Association of Geology, Tarbiat Moallem University, Aug. 30-31, 2005.
20. Application of Web GIS in Integrated Management of Natural Disasters," Second International Congress on Relief and Rescue Management, Iranian Red Crescent Society, May 2005
21. Applications of GIS in Earthquake Crisis Management," Scientific Meeting of "Earthquake Crisis Management", Research Dept., Jihad Daneshgahi of Tarbiat Moallem University, 2004.
22. Application of Landset-TM Images in Exploration of Minerals and Rocks," Earth Sciences Seminar, Ministry of Industries and Mines, State Geology and Mineral Explorations Organization, (Article), Feb. 16-18, 2004.
23. Application of Scheffe ,s Method in the Modification of GIS Quantitative Modeles (A Case Study of the Modification of the Sediment Model in Lar River Basin) Asia GIS china. 2003
24. Natural Disasters in the Muslim World," Second Congress of the Geographers of the Muslim World, Tarbiat Moallem University, 2003.
25. Relief Management & Necessity of Zoning of Destroy in Sanandaj County), Red Crescent Society, 2002.
26. Zoning of Destruction Crising from Earthquake in Karaj County, Karaj Governor's Office, 2002.
27. Kerman Province Drought Prediction Model, Kerman Province Jihad Daneshgahi, March 2001.
28. Application of Time Series Models in Sediment Prediction and Estimation in Lar River Basin," Seminar on Geographical Research and Capabilities in the Area of Development, Institute of Geography, Tehran University, 2000.

29. Application of SQL language in Defense Management,” Imam Hossein University, 1998.
30. Application of Geographic Information Systems in Modification of Experimental Sediment Prediction Models,” GIS Seminar, GIS Prospectus of the Carography Organization, 1998.
31. Cartography in AutoCAD Environment,” Tabriz Geographers Congress, 1996.

Research Projects

- 1- Studies of vulnerabilities potential in Iran Railway against floods, Islamic Republic of Iran Railways, 2015
- 2- Studies of vulnerabilities potential in Tehran - Gorgan Railway against the climate and hydrology hazards, Islamic Republic of Iran Railways, 2015
- 3- Study the risk of flooding and remove the risk of flooding in the East of Railway (between Bafq to Kashmar), Islamic Republic of Iran Railways, 2012
- 4- Comparative study of geomorphological and Quaternary climate changes developments in Meghan (Arak) project Shahid Beheshti University, 2012
- 5- Designing of Geodatabase to Manage and Prediction flooding in Iran, The Center of Excellence for Spatial Analysis of Environmental Hazards,2010
- 6- Structure of Database in Iran's River Basin,Tarbiat Moalem University,2006
- 7- Prediction of rain and snow budget in prediction of rivers inlet to river input by Means of IRS and Modis Images,Case study: Karage basin in Iran",2006
- 8- Potential Sediment Movement in Golestan Dam II Basin and Its Role in Geometric Specifications Changes & Instability of Gharnaveh, Chichak, Shourdeh and Olya Goraganroud Rivers, 2006
- 9- Comparative Study of Climatic Changes and Changes in River Basins in Iran,” 2006
- 10- Role of Environmental Parameters in Human Structures in Kish Island through a Combination of Web, RS and GIS, 2006
- 11- Sedimentation Factors and Regression Model in Minab Basin.2006.
- 12- Zoning of Flood Risk in Nervaleh River by Means of RS & GIS, 2005.
- 13- Integrated Management of Kish Island Coasts by Means of Geographical Data Modeling in Web, 2005.
- 14- Survey of Applied Changes and Sediment Changes in Golstan Dam II Basin,” Iranian, 2004.
- 15- Preparation of Zoning Model for Abkandi Erosion Risk in Abkand Bijar Basin by Means of RS & GIS, 2004.
- 16- Sediment Estimation Modeling in Ghoush Ghieh (Leilan Chay) Dam by Means of RS & GIS, 2004.
- 17- Modification of Elevation Models through the Triangulation Method, 2004