



**- Personal:**

**Name:** Hojjat O. Safari, **BirthDay:** 1965, **Marriage:** Married with two children  
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**- Education:**

- 1- PhD in Tectonics from Tarbiat Modarres University in 2002 with thesis title: Deformation analysis of Sabzpushan fault Zone, Supervisor: Dr M. Qoreshi
- 2- M.Sc. in Tectonics from Tarbiat Modarres University in 1995 with thesis title: Deformation analysis of Sisakht Area, Supervisor: Dr M.A.A. Nogol-e-sadat
- 3- B.Sc. in Geology from Shiraz University in 1989 with thesis title: Geology of Kuh-e-Dinar Supervisor: Dr Gh. Farhoudi

**- Academic:**

**Academic Degree:** Associate Professor

**Affiliation:** Geology Department, College of Sciences, Golestan University, Gorgan, Iran

**Interests:** Tectonic and Structural Geology, Application of structural Geology in: Petroleum Geology, Economic Geology, Engineering Geology and Hydrogeology, Application of Remote sensing and GIS in Geology

**- Presented Courses:**

- a. **PhD level:** Suspect Terrain, Continental and Oceanic Rifts, Collision Tectonics
- b. **M.Sc. level:** Geotectonic, Application of RS and GIS in Geology, Application of Geophysics in Tectonics, Advanced Structural Geology, Tectonic of Iran, Applied Structural Geology (in Petroleum Geology)
- c. **B.Sc. level:** Tectonics, Geophysics, Geology of Iran, Subsurface Geology, Field Geology

**- International Papers:**

- Ramazani, M., **Safari, H.**, Shamaanian, Gh., **2022**. Integration of ASTER-based remote sensing with petrographic studies, XRD analysis, and field surveying as a multidisciplinary approach for prospecting Cu mineralization in Taft-Dehshir region, Iran, *Journal of Applied Remote Sensing*, 16 (1), Doi: 10.1117/1.JRS.16.014508
- **Safari, H.**, Bagas, L., **2021**. A transpressional model for deformation patterns in northern part of Dezful Embayment's oil fields in Zagros (Iran), using geo-information technologies, *Marine and Petroleum Geology*, 123, 1-17, Doi: 10.1016/j.marpetgeo.2020.104736
- Haji, E., **Safari, H.**, Shafiei Bafti, B., **2021**. Gold mineralization occurrences of Saez-Baneh zone (north Sanandaj-Sirjan, Iran): structural settings in a microscopic scale, *Journal of Gems & Precious Metals*, 1(1), 15-27
- Haji, H., **Safari, H.**, Shafiei Bafti, B., Mojallal, M., **2020**. Saez-Sardasht Goldfield, North Sanandaj-Sirjan Zone, Iran: A Tectono-Metallogenic Synthesis, *Acta Geologica Sinica (English Edition)*, 94(5): 1693–1710
- Haji, E., **Safari, H.**, Shafiei, B., Agh Atabay, M., **2016**, Studying Structural Characteristics of Saez – Takab Region (NW of Sanandaj – Sirjan Zone) Using GiT (Geo Information Techniques), *Zakhoy Sulaimani Journal, Part A (Pure and Applied Sciences)*, 201(1), 1-23.
- **Safari, H.**, Khedri Gharibvand, L., **2016**, Gas leakage hazard zonation of Masjed-i-Soleiman area, Zagros, Iran, using GiT, *Natural Hazards*, DOI 10.1007/s11069-015-2022-1, Vol. 80, 1257-1278.

- Pirasteh, S., **Safari, H.**, Mollae, S., **2015**, Digital Processing of SAR Data and Image Analysis Techniques, In Book: Monitoring and Modeling of Global Changes: A Geomatics Perspective, By: Li, J., Yang, X. (ed.), **Springer**, 294 pp.
- **Safari, H.**, Bagas, L., Shafiei Bafti, B., **2015**. Structural controls on the localization of Cu deposits in the Kerman Cu metallogenic province of Iran using Geoinformatic techniques, *Ore Geology Reviews*, 67, 43-56
- **Safari, H.**, Amini Soorani, S., **2013**. Kinematic Analysis of South of Mashhad Ophiolites, Iran, Using of GIT, *International Geoinformatics Research and Development Journal*, Vol. 4, Issue 4, 1-12
- **Safari, H.**, Ghassemi, M.R., Razavi-Pash, R., **2013**. Determination and Structural Analysis of the Lahijan Transverse Fault in Forestall Region of Alborz Mountains, Iran: A Geospatial Application, *International Journal of Remote Sensing Applications* Volume 3 Issue 4, 215-224.
- **Safari, H.**, Seraj, M., Jowkar, M., **2012**. Influence of Structural Bending on Reservoir Characteristics of Rag-e-Sefid Oil Field, Zagros Mountains: Using of Geo-information Technology (GIT), *International Geoinformatics Research and Development Journal*, Vol. 3, Issue 4, 36-48
- **Safari, H.**, Pirasteh, S., Pradhan B., Amid, H., **2011**, Geohazards analysis of Pisa tunnel in a fractured incompetent rocks in Zagros Mountains, Iran, *Arabian Journal of Geosciences*, DOI 10.1007/s12517-011-0427-z
- **Safari, H.**, Abbaszade, Z., Mollae, S., Raghimi, M., **2011**. Structural Controls on Distribution Patterns of Springs in Alborz – Kopet Dagh Boundary, Gorgan Iran, *International Geoinformatics Research and Development Journal*, Vol:2, Issue:3, pp: 11-21.
- **Safari, H.**, Gholami, M., **2011**. Tectonic Evolution of Southern Limb of Eastern Alborz, Iran, *International Geoinformatics Research and Development Journal*, Vol:2, Issue:1, pp: 1-13.
- Pirasteh, S., Pradhan B., **Safari, H.**, **2011**. Coupling of DEM and remote-sensing-based approaches for semi-automated detection of regional Geostructural features in Zagros Mountain, Iran, *Arabian Journal of Geosciences*, DOI 10.1007/s12517-011-0361-0.
- **Safari, H.**, Pirasteh S., Shattri B. M, **2011**. Role of the Kazerun fault for localizing oil seepage in the Zagros Mountain, Iran: an application of GiT, *International Journal of Remote Sensing*, Vol. 32, No. 1, 10 January 2011, 1–16
- Pirasteh, s., **Safari, H.**, Pradhan B., Attarzade, I., **2010**. Litho-morphotectonics Analysis using GIS Techniques & Landsat ETM Data: Zagros Fold Belt (ZFB) SW Iran, *International Geoinformatics Research and Development Journal*. Vol. 1, Issue 2, 1-9.
- Pirasteh, s., Rizvi, S. M. A., **Safari, H.**, Pradhan B., Shattri Mansor, B., Mahmoodzadeh A., **2010**. Using ERS-1 Synthetic Aperture Radar for Flood Delineation, Bhuj Taluk, Kuchch District- Gujarat, India, *International Geoinformatics Research and Development Journal*. Vol. 1, Issue 1, 13-20.
- **Safari, H.**, Pirasteh S., Pradhan B., Khedri Gharibvand, L., **2010**. Use of Remote Sensing Data and GIS Tools for Seismic Hazard Assessment for Shallow Oilfields and its Impact on the Settlements at Masjed-i-Soleiman Area, Zagros Mountains, Iran, *Remote Sens.*, 2, 1364-1377.
- **Safari, H.**, Pirasteh, S., Pradhan, B., **2009**. Uplifting estimation in Zagros Transverse faults Iran: An Application of Geoinformation Technology. *Remote Sens.* 1, 1240-1256.
- **Custom Papers (In Persian):**
- **Safari, H.**, Yazarlu, R., **2023**. Analysis of faulting under foundation in Emarat dam, due to impounding, using numerical modelling by Plaxis software, *Journal of Tectonics*, 6 (22):15-32.

- Hamidi, R., **Safari, H.**, Rustaei, M., **2022**. Investigation on structural and non-structural parameter influence on Subsidence of Gorgan-Aq Qala- Aliabad Plain, using D-InSAR and subsurface data, *Iranian Geological Journal*, 15 (60): 43-57
- **Safari, H.**, Barani, F., Raghimi, M., **2021**. Influences of structural parameters on geohazard zonations in Vatan-Farsian area, *Advanced Applied Geology*, 11 (3): 631-646 (In Persian)
- Ramazani, M., **Safari, H.**, Shamanian, GH., Safaei, H., **2020**. Determining the relationship between copper mineralization and structures in Ali abad-Darreh Zereshk area, using subsurface geotechnical and geochemical data, *Iranian Journal of Geology*, 55: 31-48.
- **Safari, H.**, Rezaei, H., Ghoghji, A., **2020**. Influences of Faulting on Landslide Occurrence Probability-A Case Study: Landslides of Nargeschal Area, *Journal of Engineering Geology*, 14 (3): 457-486.
- **Safari, H.**, Rezaoust, M., Raghimi, M., **2020**. Determination of tectonic setting of mud volcanoes in the western part of Golestan Province, using geo-information technology, *Advanced Applied Geology*, 10 (3): 423-435.
- **Safari, H.**, Rezaoust, M., Omrani, H., **2020**. Mud volcanoes in West of Golestan Province as indicators for prospecting of Hydrocarbor traps, *Monthly scientific Journal of Exploration and Production of Oil and Gas*, 183: 3-16.
- Hamidi, R., **Safari, H.**, Rustaei, M., Amini, A., **2019**. Investigation on structural parameter effects on Subsidence-Uplift patterns in Western Kopet Dagh, using D-InSAR, *Journal of Tectonics*, 3 (11): 30-49.
- **Safari, H.**, Aq Atabay, M., Tabarsa, A., Rezaei, H., **2018**. Investigation of effect of Yamchi dam reservoir impounding on areal seismicity rate, *Journal of Tectonics*, 2 (7): 13-29.
- Mojallal, M., **Safari, H.**, Haji, E., **2018**. Investigation on different faulting stages in Saggez area and extract the Geodynamic pattern, *Journal of Tectonics*, 2 (6): 39-54.
- Haji, E., **Safari, H.**, **2018**. Investigation on deformation stages in NW part of Sanandaj-Sirjan structural zone, *Scientific Quarterly Journal of Geosciences*, 26 (103): 186-200 (In Persian).
- **Safari, H.**, Shafiei Bafti, B., Mohammad Rezaei, H., **2018**. Investigation on influence of faults on cumulative pattern of Cu occurrences in Sarcheshmeh area, using RS & GIS techniques, *Mashhad Economic Geology Journal*, 8 (1): 79-92.
- Ahmadi, T., Rahimi-chakdel, A., **Safari, H.**, Barjasteh, A., **2018**. Neotectonic zonation of Lali - Gotvand area in Khuzestan, using Morphometric criteria, *Scientific Quarterly Journal of Geosciences*, 11 (43): 45-57
- **Safari, H.**, Mojalla, M., Haji, E., **2016**. Investigation on validity of Lineaments extracted by Semi-automated Remote Sensing Techniques; Northwestern part of Sanandaj-Sirjan zone as a case study, *Journal of Tectonics*, 1 (3): 39-56.
- **Safari, H.**, Safaei, H., Bahrami, M., **2015**. Investigation of Neotectonic activities in Shahreza area, Iran, using of Geoinformatic Techniques, *Journal of Tectonics*, 1 (2): 59-74.
- Razavi Pash, R., Ghassemi, M.R., **Safari, H.**, **2015**. Evidences for Development of a Pull-Apart Basin in the Rostam-Abad Region, Gilan Province, *Scientific Quarterly Journal of Geosciences*, 24 (95): 123-132.
- Safari, H., Ghassemi, M.R., Bahrami, M., **2015**. Investigation on Seismicity of Recent Earth Movements in Sanandaj-Sirjan Structural Zone, by using RS & GIS Techniques, *Scientific Quarterly Journal of Geosciences*, 24 (95): 265-272.
- **Safari, H.**, **2015**. An Investigation of the Relationship between Surface and Subsurface Structures in the Central Part of Dezful Embayment by Using GIT, *Geodynamics Research International Bulletin*, 3 (1): 36-55.
- **Safari, H.**, Amini Soorani, S., **2015**. Analysis of movement stages in South Mashhad Ophiolites, using RS & GIS techniques, *Tectonics and Structures*, 2 (3): 46-62.
- **Safari, H.**, **2015**. Deformation analysis of Northern limb of Eastern Alborz, using Geo-information Technologies, *Tectonic and Structures*, 2 (4): 1-27.

- **Safari, H.**, Seraj, M., Jowkar, M., **2015**. Investigation on relationship between Surface-Subsurface structures in Rag-e-Sefid Oilfield, Zagros, using GIS environment capability, Monthly scientific Journal of Exploration and Production of Oil and Gas, 119: 36-43.
- Maghsoodloo Rad, R., **Safari, H.**, Abbaszadeh, Z., **2015**. An Investigation of Change Trends of Groundwater Quality in Wet and Dry Years: A Case Study of Gorgan Plain, International Bulletin of Water Resources & Development, 2 (3): 162-171.
- **Safari, H.**, Abbaszadeh, Z., Kaboli, A., **2014**. Investigation of Fractures' Influences on Physical Properties of Springs in Northern Limb of Eastern Alborz, Using GIS&RS, Geodynamics Research International Bulletin, 1 (3): 28-38
- Alizadeh, M., Agh-Atabay, M., **Safari, H.**, **2014**. Structural analysis of Central Kopet dagh, Tectonics and Structures, 1 (2): 41-55.
- **Safari, H.**, Ghassemi, M.R., Agh-Atabay, M., Razavi-Pash, R., **2013**. Structural Analysis of Lahijan Fault Zone-Western Alborz, Scientific Quarterly Journal of Geosciences, 22 (88): 13-18 (In Persian).
- Abbaszadeh, Z., **Safari, H.**, Kaboli, A., **2013**. Investigation of Relationship between Fractures and Spring Appearance location in Gorgan Region, International Bulletin of Water Resources & Development, 1 (1): 30-41.
- Ghobadi, M.H., Charchi, A., **Safari, H.**, **2007**. Preliminary estimation of earthquake and gas leakage in Masjed-e-Soleiman city, J. Sci. Shahid Chamran University, 17: 45-58.
- **Safari, H.**, **2006**. Tectono-Sedimentary setting of Sabzpushan fault zone in Zagros basin evolution, J. Sci. Shahid Chamran University, 14: 77-89 (In Persian).
- **Safari, H.**, Chitsazan, M., **2005**. Determination and structural analysis of Izeh fault zone, Zagros, Iran, J. Sci. Shahid Chamran University, 12: 57-75.
- Seyyedi Pour, M., Chitsazan, M., **Safari, H.**, **2005**. Determining of Barm-e-Jamal Spring Karstic Aquifer characteristic in areal scale (Seidun area), Using analysis of Hydraulic and Physico-chemical response of Barm-e-Jamal spring, Payam-Pajouhesh Scientific-Applying Journal, 7: 1-25.
- **Safari, H.**, Qorashi, M., **1999**. Deformation Analysis of Sabz-pushan Fault Zone, Scientific Quarterly Journal of Geosciences, 8 (31): 80-91.
- **Safari, H.**, Nogol-e-Sadat, M.A.A., **1994**. Influences of fault activities on structural evolution of Sisakht area, Tarbiat Modarres internal Bulletin, 1-20

**- Conference Papers (Selected ones):**

- Pirasteh, S., **Safari, H.**, Mahmoodzadeh, A., Wood Bridge, K., Rizvi, M.R., **2010**, Does Karun and Dez River response to structural uplift? South-west Iran, Application of Geoinformatics, WEC-2-5 August, Kuching ,Malaysi
- Pirasteh, S., **Safari, H.**, **2009**. How GiT emphasis for localizing Oil Seepages in Zagros Mountains, Iran?, International Advanced of Technology Congress (ATCi), PWTC, Malaysia. November 3-5.
- **Safari, H.**, Mohajjel, M., **2000**. Determination of seismic Gap in Golpayegan-Muteh area, Sanandaj-Sirjan zone, Iran", Abst. 3<sup>rd</sup> ASC, pp:74, Tehran, Iran
- **Safari, H.**, Qoreshi, M., **2000**. Sabzpushan fault zone as a linear source of seismic activity in Zagros, Iran, Abst. 3<sup>rd</sup> ASC, pp:29, Tehran, Iran.

\* Together with 31 conference papers in Iranian conferences or congress

**- Books:**

- Pirasteh, S., **Safari, H.**, Mollaei, S., **2015**, Digital Processing of SAR Data and Image Analysis Techniques, In Book: Monitoring and Modeling of Global Changes: A Geomatics Perspective, By: Li, J., Yang, X. (ed.), Springer, 294 pp. (as book chapter).
- **Safari, H.**, Khedri, L., **2012**, Seismo-tectonics, Golestan University Publication, 288 p.

- Rahimi, A., **Safari, H., 2011**, The translation of book: Geological structures and Maps by: R.J. Lisle, Golestan University Publication, 196 p.
- **Safari, H.**, Amiribakhtiar, H., Fooladvand, R., **2010**, The Basic Subsurface Geology, National Iranian Oil Company Publication, 424 p.
- **Safari, H., 2009**, Earthquakes in Holy Quran, Tarava Publication, 120 p. (In persian).
- **Safari, H.**, Mousavi, S.F., **2008**, The translation of book: This Dynamic Earth, the story of plate tectonics, by: USGS online book, Tarava Publication, 196 p. (In persian).
  
- **Projects (Selected ones):**
- **Safari, H.**, AqAtabay, M., Rezaei, H., Yazarlu, R., **2019**. Investigation on Reservoir Induced Seismicity (RIS) in Main Dams of Ardabil Province, with prediction of Maximum Probabilistic Earthquake (Alborz-Azarbaijan Zones), Agreement between: Golestan University- Regional Water Company of Ardabil, 300p.
- **Safari, H., 2015**. Seismotectonic investigation on Shahreza Area (Sanandaj-Sirjan Zone), Golestan University internal Project, 110 p.
- **Safari, H.**, Seraj, M., **2014**. Kinematic analysis of Hendijan fault and its Influence on reservoir characteristic of Rag-e-Sefid oil field (Zagros oil fields), Agreement with National Iranian South Oil Company, 110 p.
- **Safari, H., 2014**. Influence of Hendijan transverse fault on reservoir characteristic of Rag-e-Sefid oil field (Zagros oil fields), Golestan University internal Project, 120 p.
- **Safari, H., 2012**. Investigation on relationship between tectonic and mineralization in Sarcheshmeh, Rafsenjan (Central Iran), Golestan University internal Project, 110 p.
- Rahimi, A., **Safari, H.**, Aq-Atabay, M., **2011**. Structural studies of Shemshak formation in northern part of Dehmolla area (Southern Limb of Eastern Alborz), Golestan University internal Project, 70 p.
- **Safari, H., 2011**. Investigation on relationship between faults and spring patterns in Gorgan Area (Northern Limb of Eastern Alborz), Golestan University internal Project, 120 p.
- Amid, H., **Safari, H., 2011**. Engineering geology investigations on damage factors of Azizabad Bridge (Western Kopet-Dagh Zone), Agreement with Road and Transportation Ministry (IRI), 250 p.
- Aq-Atabay, M., **Safari, H.**, Rahimi, A., **2010**. Seismicity Pattern of Golestan Province (Western Kopet-Dagh Zone), Golestan University internal Project, 80 p.,
- **Safari, H.**, Rahimi, A., Aq-Atabay, M., **2010**. Kinematic Analysis of Deh-Molla Duplex (Southern Limb of Eastern Alborz), Golestan University internal Project, 100 p.,
- **Safari, H.**, Amid, H., **2009**. Engineering geology investigations on Pisa Tunnel, Agreement with Road and Transportation Ministry (IRI), 200 p.
- **Safari, H.**, Seraj, M., **2008**. Structural Geology and Geology of Borazjan Area, with special viewpoint on Gisakan and Nargesi oil field, Agreement with National Iranian South Oil Company, 50 p.
- **Safari, H., 2008**. The influence of faulting on Gas leakage pattern in Masjed-e-Soleiman area (Zagros oil fields), Agreement between: Shahid Chamran University – Khuzestan Management and Programming agency, 130 p.
- **Safari, H.**, Charchi, A., **2007**. Seismotectonic and earthquake- faulting hazards in Ahwaz quaderangle, Agreement between: Shahid Chamran University – Geological Survey of Iran, 170 p.
- Chirtsazan, M., **Safari, H., 2006**. Potential of water reservoir in hard rocks in Seidun area, Zagros, Agreement between Shahid Chamran University – Water and Power agency of Khuzestan Province, Iran, 150 p.

- **Safari, H.**, Fatemi Aqda, M., **2001**. Structural and seismicity investigation on 2001 Changureh-Avaj earthquake ( $M_s= 6.5$ ), Agreement with: Iranian Natural Disasters Institute, 80 p. (In Persian)

**- Workshops (Select ones):**

- Application of Tectonics, **2006**. Oil industry university of National Iranian Oil Company.
- Applications of Paleomagnetism, **2006**. Khuzestan Education and Culture Affair.
- Application of GIS in Study of oil reservoirs (Petroleum Geology), **2006**. National Iranian South Oil Company.
- Application of Structural Geology in Study of oil fields (Petroleum Geology), **2005**. National Iranian South Oil Company.
- Determination of faults and study of their influences, **2001**. In design and construction of marine platforms workshop, Sharif University.
- The study of changing in drilling fluid system from composition water & air to Foam & air, **1996**. Khak-o-Sang Consultant Company.
- Change of Rotary to Wireline drilling for available drilling system, **1995**. Khak-o-Sang Consultant Company.

\* Exceed of 10 presentations in Research weeks in Golestan University

**- Journal Reviewer (Select Ones):**

- Ore Geology review, 1 paper
- Arabian Journal of Geosciences, 3 papers
- International Geo-Informatics Research and Development Journal, 6 papers
- Aquatic Ecosystem Health and Management Society, 2 papers
- International Journal of Remote Sensing Applications, 3 papers
- Journal of Geology and Mining Research, 1 paper
- Journal of Tectonics, Birjand University in Iran, 8 papers
- Journal of Geosciences, Geological Survey of Iran, 10 papers