

**Saeed Madanipour**

Birth date: 21 March 1981

Place of Birth: Tehran, Iran

Married with one child

Current Position (2015-present):

Associate Professor of Geology

Address: Faculty of Basic Sciences Tarbiat Modares University

Tehran, P. O. Box: 14115-175

Telephone: +98-21-82884771

Mobile: +98-912-5635250

Fax: +98-21- 88009730

E-mail: Madanipour.Saeed@Modares.ac.ir

Madanipour.Saeed@Gmail.com

Web Address: <https://sites.google.com/view/saeed-madanipour/home>

Education and Degrees:

2005- B.sc Geology (Zanjan University, Iran)

2009- M.Sc. Geology-Structural Geology (Tarbiat Modares University, Iran)

2013- Ph.D. Geology - Structural Geology, Geodynamics, Low-Temperature Thermochronometry (Tarbiat Modares University, Iran- Earth System Dynamic Group of Tübingen University, Germany)

Research Interest:

Saeed's research interests lie primarily in the understanding geodynamic and kinematic evolution of mountain ranges. His methods include structurally based field studies (Structural geometry and kinematic analysis), through the creation of new geologic maps which expand to the creation and restoration of cross sections as well as mineral cooling ages to determine the distribution, magnitude, and rate of deformation. His research on the Iranian Plateau's margins includes the Talesh, Alborz, Kopeh-Dagh, East Iranian Ranges, Makran, and Zagros Mountains.

Professional Services:

- 1- Senior geologist and geotechnical advisor- Alborz TBM Tunnel (2006-2008).
- 2- Senior geologist and geotechnical advisor- Anaraki NATM Tunnel (2008-2009).
- 3- Geological mapping (1/20000 and 1/10000 scales) second segment of Tehran – shomal freeway (2009-2010).
- 4- Senior structural geologist- Western Kopeh Dagh tectonic and stratigraphic project- KCE - (2010-2011).

- 5- Senior geologist and geotechnical advisor – Taleqan Tunnel system from Taleqan to Karaj Dam site - (2010-2012).
- 6- Senior structural geologist- Taibad- Torbat Jaam basin, NE Iran tectonic and stratigraphic project -KCE- (2012).
- 7- Senior geologist and geotechnical advisor- Aras - Orumieh water conveyer line (Tunnel and pipeline) (2011-2012).
- 8- Senior geologist and geotechnical advisor- Qoochkandi Dam site geotechnical study- (2012-2013).
- 9- Senior structural geologist- Oil shale potentials at Lorestan Arc, NW Zagros, project -KCE- (2013-2014).
- 10- Senior structural geologist- Geologic Maps of Faraghun Mts, SW High Zagros Mountains (1/50000 scale) – Geological Survey of Iran) - (2015-2017).
- 11- Senior geologist and project manager – Geologic, hydrogeological, archeological and climatological study of Moon Qanat for recording as UNESCO global heritage, Central Iran - (2015- 2016).
- 12- Senior structural geologist- Geologic Maps of Central High Alborz Mountains (1/25000 scale) - Geological survey of Iran- (2016-2018).
- 13- Senior geologist and geotechnical advisor – Kerman TBM Tunnel system - (2016- present).
- 14- Senior geologist and geotechnical advisor – Taleqan Tunnel system geotechnical study - (2017-present).
- 15- Senior structural geologist– Structural analysis of Zarigan Zn-Pb ore deposit, central Iran - (2018)
- 16- Senior structural geologist– Structural analysis of Namar Zn-Pb ore deposit, Alborz - (2019-2020).
- 17- Senior structural geologist– Structural analysis of 17Chenar Cu-Au ore deposit, Southeast Iran - (2019-2020).
- 18- Principal Structural geologist- Exploration committee at IBKO Industrial & Mining Group - (2019-present).
- 19- Principal Structural geologist- Exploration committee at IMPASCO- (2024-present).
- 20- Principal Structural geologist- Exploration committee at Zarrin Industrial & Mining Group- (2024-present).
- 21- Principal Structural geologist- Exploration committee at Fateh Industrial & Mining Group- (2024-present).

Courses Thought:

- Structural Geology, Tectonics (Zanjan University, Iran) - 2008-2010
- Tectonics (Zanjan University, Iran) - 2008-2010
- Applied structural geology (Kharazmi University, Iran) - 2010-2011
- Tectonics (Kharazmi University, Iran) - 2010-2011
- Seismotectonics (Kharazmi University, Iran) - 2010-2011
- Geology (Tehran University, Faculty of Engineering, Fuman Branch)- 2012
- Structural Geology for Petroleum Engineering (Tehran University, Faculty of Engineering)- 2012
- Geotectonics (Tarbiat Modares university, Iran) - 2014-Present
- Morphotectonic, (Tarbiat Modares university, Iran) - 2014- Present
- Collision Tectonics (Tarbiat Modares university, Iran) - 2014- Present
- Tectonic and sedimentation (Tarbiat Modares university, Iran) - 2016- Present
- Tectonic of Iran (Tarbiat Modares university, Iran) - 2016- Present
- Applied structural geology (Tarbiat Modares university, Iran) - 2015- Present
- Tectonic and Mineralization (Tarbiat Modares university, Iran) - 2017- Present
- Basic methods of Geo-thermochronology (Tarbiat Modares university, Iran) - 2014- Present

Peer Review for Journals:

Tectonics, Tectonophysics, Journal of Structural Geology, Basin Research, Geological Society of America Bulletin, Journal of Asian Earth Sciences, Ore Geology Reviews, Journal of African Earth Sciences, Arabian Journal of Geosciences

Former and current students (Thesis subject in parenthesis):

1- Post Docs:

- 1- **Parisa Gholamizadeh**, (Geochemistry and tectonic setting of the detrital sediments sourced from Ophiolites in SE Iran), 2025– present
- 2- **Aref Shamszadeh**, (Control of the basement structures on the deformation pattern of the petroleum system in the South Dezful Embayment and Abadan Plain; insights from restored balanced cross sections), 2025– present
- 1- **Fatemeh Gomar**, (The Role of Detachment Layers and basement faults in the Deformation Pattern of Petroleum Systems in the South Dezful Embayment and Abadan Plain: A Numerical Modeling Approach), 2025– present

2- Ph.D. students:

2-1) Ph.D. thesis supervisor

- 1- **Sedigheh Khodaparast**, (Temporal and spatial evolution of Koshk –e – Nosrat Fault system in Central Iran, low-temperature thermochronometric approach), 2015– 2020
- 2- **Arash Jamshidi**, (Dynamics of the Zagros Mountains salt glaciers in the Fars Arc revealing by interferometry synthetic aperture radar), 2018- Present
- 3- **Navid Ghavim**, (Provenance and Structural Evolution of the Abgarm Cenozoic Basin and Spatio-Temporal Pattern of Adjacent Mountains Uplift, Northwestern Iran), 2021- Present
- 4- **Tohid Khosrobeygi**, (Structural geometry and temporal-spatial evolution of the southeastern termination of Zagros suture zone in Hajiabad), 2023-Present
- 5- **Zahra Soudmand**, (Structural evolution and spatio-temporal exhumation pattern of the Golgohar metamorphic complex in relation to iron ore mineralization, southwest of Sanandaj-Sirjan), 2024-Present
- 6- **Mehdi Saeidian**, (The role of structural controls on distribution of the Fe ore bodies in Bafgh- Saghand metallogenic Province, Airborne geophysical approach), 2025-Present
- 7- **Hooraa Saeni**, (Regional structural segmentation of the South Dezful Embayment area based on the geometry and kinematic analysis of the oil fields by using surface and subsurface data), 2025-Present

2-2) Ph.D. thesis advisor

- 1- **Masoud Biralvand**, (temporal and spatial evolution of the Takab metamorphic zone), 2014-2019
- 2- **Asghar Ahmadi**, (Temporal and spatial evolution of Bozghoush-Chehel Nour Mountains at NW Iran, low temperature thermochronometric approach), 2014– 2021
- 3- **Sakineh Samimi**, (Cooling history of NE termination of Nehbandan Fault system, NE Iran, low temperature thermochronometric approach), 2015- 2020
- 4- **Mehrdad Niasari**, (Kinematics and activity of northwestern termination of Main recent fault at NW Iran), 2016– 2021
- 5- **Hossein Taghikhani**, (Structural Evolution of South eastern Zagros Fold Thrust Belt in Paleozoic by low temperature thermochronometric approach), 2018- Present
- 6- **Pouran Karimi**, (genesis, evolution and controls on Iron mineralization at Proterozoic volcanic and sediment sequences in Boukan area, Sanandaj-Sirjan zone, NW Iran), 2018-2021
- 7- **Vali Ahmadi**, (engineering geological characteristics and classification of argillitic rocks in the Makran accretionary zone along Chabahar-Zahedan railway line, SE Iran), 2018-2023
- 8- **Amir Naeimi**, (Cenozoic structural evolution of the eastern Alborz Mountains of Northern Iran in the Chasm area), 2018-2022

3- Master students:

1-1) Master thesis supervisor

- 1- **Mojtaba Ershadinia**, (Geometry and kinematic analysis of the structures in Faraghun Mountains, SE Zagros), 2014 - 2016
- 2- **Samira Ahmadi**, (Structural analysis of Ghoorche Bashi area, Central Sanandaj Sirjan zone), 2014 – 2016
- 3- **Tohid Khosrobeigi**, (Structural Analysis of the North Taleqan Mountains, Central Alborz Mts of Northern Iran), 2016 - 2018
- 4- **Saeed Eslami**, (Structural and seismotectonic analysis of Avaj area, Central Iran), 2016 – 2018
- 5- **Sara Esmaeilian**, (Microstructural analysis of the southeastern termination of Kuhbanan Fault, NE Kerman), 2016 – 2018
- 6- **Ali Mehrvarz**, (Structural Analysis of the south eastern termination of Tabriz Fault, Northern Iran), 2016 – 2018
- 7- **Firouzeh Shavvakh**, (Geometry and kinematic analysis of the south Natanz Fault system and its effect on genesis and distribution of Zn-Pb ore deposits), 2017- 2019
- 8- **Zahra Soudmand**, (Strain Analysis of the Deh Zaman mylonitic granite, Kuh-e-Sarhangi area, Northwest Edge of Lut Block), 2017- 2019
- 9- **Afshin Belalzadeh**, (Structural control on carbonate hosted mineral deposits at SW termination of Zefreh Fault), 2018- 2020
- 10- **Mohamad Alavi**, (Structural Geometry and Kinematic analysis of the South Boein-Zahra Mountains, NW Central Iran), 2018- 2021
- 11- **Iraj Heydari**, (Structural Geometry and Kinematic analysis of the Abgarm region, NW Central Iran), 2018-2021
- 12- **Kosar Shadram**, (Geometry, kinematics and dynamic analysis of the post-Miocene folds at northern block of the Kushk-e-Nosrat Fault, Central Iran), 2021- present
- 13- **Ghane Parasti**, (Structural characteristics of the Kasnazan mylonitic granite and its effect on gold mineralization, Sanandaj-Sirjan Zone, NW Iran), 2021-2023
- 14- **Hamideh Fakharinejad**, (Structural analysis of the central part of the southwest Nain Mountains in the Kalchuyeh ore district), 2021-2022
- 15- **Mohammad Salehinia**, Geometric and kinematic analysis of the Chilingar and Garangan oilfields around the Kharg-Mish Paleo-high, south Dezful Embayment, 2021- Present
- 16- **Ayoub Aalipour**, Structural analysis of the Jurassic basin in the eastern block of the Kalmard Fault at the district of the KochakAli coal mining area, Southwest of Tabas, 2022- present
- 17- **Saeed Shabani**, Structural analysis of the area between the Kuhbanan and Behabad Faults in NW Ravar, and its effect on ore mineralization in the Tarz Pb-Zn deposit, 2023- present
- 18- **Fatemeh Aliabbasi**, Structural analysis of the Natanz segment of Qom-Zafreh Fault in the southeast of Kashan, 2024- present
- 19- **Leyla Alami**, (Determination of the faulting and folding patterns in the southeast of Kashan by an integration of remote-sensing, field and seismic data), 2023- Present
- 20- **Mahboobe Reisi**, (Geometry and Evolution of salt diapirs in Qeshm Island), 2023-Present
- 21- **Kamran Pirmoradian**, (Structural Geometry and fault seals analysis of the Bibi-Hakimeh, Gachsaran, Chilingar and Garangan oilfields in southern Dezful Embayment by the juxtaposition method), 2025-Present
- 22- **Zahra Fazel**, (Geometry and kinematic analysis of the Shanaq Fault system and its and its effect on ore mineralization in Shaneg gold deposit in southeast of Delijan, Central Iran), 2025-Present

1-2) Master thesis advising

- 1- **Reza Asgari**, (Structural Analysis of the Moallem Kalayeh inlier in Central Alborz Mts, Northern Iran), 2011 - 2013
- 2- **Vahid Khadivi**, (Structural analysis of Siah Kuh Anticline in Dehdasht area, SE of Zagros folds and thrust belt), 2013- 2015
- 3- **Ahmad Ghafari**, (The effect of engineering geological parameters on water flowing potential in Alborz Tunnel by experimental and numerical modeling approach), 2014 - 2016
- 4- **Masoud Sohrabimehr** (Structural geometry and kinematics of the Sahneh thrust fault system, NE of Kermanshah), 2014 - 2016
- 5- **Fatemeh Taheri**, (Structural geometry and kinematics of Yush area, Central Alborz Mountains, northern Iran), 2015 - 2017
- 6- **Marzieh Mousavi**, (Structural geometry and kinematics of Baladeh area, Central Alborz Mountains, northern Iran), 2015 – 2017

- 7- **Akbar Barati**, Geometry and kinematics analysis of the fault zones in the central Alborz Mountains, northern Iran, 2015-2017
- 8- **Omid Sadeghi**, Engineering geological characteristics of the phyllite rock units of the Binalood Mountains, NW of Mashhad city, NE Iran, 2015-2018
- 9- **Hashem Zandi**, evidence of Cimmerian orogeny in the Nesa Valley, central Alborz Mountains of Northern Iran, 2016-2019
- 10- **Mohammad Koupaei** (Structural control on Pb-Zn deposits in SE Ardestan area, Central Iran), 2016-2019
- 11- **Alireza Nafar**, (Petrography, geochemistry, and petrology of the Lashgarak Sill, central Alborz Mountains), 2020-present
- 12- **Mohadeseh Ajami**, (structural analysis and paleostress determination in Dobaradar Mountains, Qom, Central Iran), 2019-2021
- 13- **Amirhossein Panahipour**, (geometry and structural evolution of the Danan Anticline, Dezful Embayment, Zagros Fold belt, Iran), 2019-2022
- 14- **Nadia Ahmadinejad**, (Investigating barite mineralization in the IPAK fault zone with remote sensing methods and structural Measurements), 2021-2023

Publications (International ISI):

- 29- Jamshidi, A. **Madanipour, S.** Mousavi, Z., (2025). Kinematics of the Mezaijaan salt glacier based on InSAR data in the interior Fars of the Zagros Fold and Thrust Belt, Iran, *Geopersia*, InPress.
- 28- Ahmadi, V. Uromiyeh, A. Amiri, A. **Madanipour, S.**, (2025). Engineering classification of argillite rocks with emphasis on laboratory tests in Makran structural field, *Geopersia*, In Press.
- 27- Khodaparast, S., **Madanipour, S.**, Enkelmann, E., Hessami, K., Matthews, W., Nozaem, R., (2024). Time constraints on Neogene fault evolution at the northern Iranian Plateau margin, *Tectonics*, 43 (8), e2023TC008034
- 26- **Madanipour, S.**, Najafi, M., Nozaem, R., Verges, J., Yassaghi, A., Heydari, I., Khodaparast, S., Soudmand, Z., Aghajari, L., (2024). The Arabia-Eurasia collision zone in Iran, tectonostratigraphic and Structural synthesis, *Journal of petroleum geology*, V. 47, No.2, 123-171.
- 25- Taghikhani, H. Yassaghi, A. **Madanipour, S.** Najafi, M. (2023). Salt tectonics along the High Zagros Fault in Iran: faulting through welded salt walls. *Journal of Asian Earth Sciences*, V. 259, 105928, 1-19.
- 24- **Madanipour, S.** (2023). Pliocene tectonic to erosional exhumation in the northwest of the Arabia-Eurasia collision zone. *Earth Surface Process and Landforms*, 48, 6, 1-18.
- 23- Neimi, A., Alavi, A., **Madanipour, S.**, Araghi, H. H., Gholamizadeh, P., Mosaffa, H., (2023). Depositional and structural characteristics of the Chashm Sub-basin; implications for the late Cenozoic tectonic evolution of the east-central Alborz Mountains, northern Iran, *Journal of Asian Earth Sciences* 243, 105519
- 22- Aghaei, M., Rastad, E., Shamanian, E., **Madanipour, S.**, (2023). Characteristics of the gold-bearing and barren quartz veins at the Zaylik-Sarilar epithermal deposit, Ahar-Arasbaran Zone, NW Iran: Evidence from mineralogy, alteration, texture and fluid inclusion, *Ore Geology Reviews*, 105341
- 21- Shahsavari, B., Kananian, A., **Madanipour, S.**, Danisik, M., (2022). Late Cenozoic exhumation of the Nodoushan plutonic complex constrained by low-temperature thermochronology: Evidence for the Arabia-Eurasia collision in the Southeastern Iranian Plateau. *International Geology Reviews*, doi: 10.1080/00206814.2021.2001695
- 20- Naeimi, A., Alavi, A., **Madanipour, S.**, (2022). Structural analysis and the late Cenozoic tectonic evolution of the SE Alborz Mountains in northern Iran: insights into the Arabia-Eurasia collision, *Geopersia*, 12 (2), 241-264

- 19- Naeimi, A., Alavi, A., **Madanipour, S.**, (2022). Late Cenozoic structural evolution of SE Central Alborz Mountains: case study of a deformation pattern represented by combined thrust loading and strike-slip faulting. *Journal of Asian Earth Sciences*, 223, 104981.
- 18- Karimi, P., Tajeddin, H., Rastad, E., **Madanipour, S.**, (2021), Geology and geochemistry of Bukan iron ore deposits, Ductile Shear Zone, Northwest Iran, *Neues Jahrbuch für Mineralogie-Abhandlungen*, 121-144
- 17- Niasari, M. Shabanian, E. Solaymani Azad, S. **Madanipour, S.** (2021), New tectonic configuration in NW Iran: Intracontinental dextral shear between NW Iran and SE Anatolia. *Tectonophysics*. 811, 228886
- 16- Shafiei, S. Dunkl, I. **Madanipour, S.** (2021), Timing of fluorite mineralization and exhumation events in the east Central Alborz Mountains, northern Iran: Constraints from fluorite (U-Th-Sm)/He thermochronometry. *Geological Magazine*. 158, 9, 1600-1616
- 15- Esmaeilian, S. **Madanipour, S.** Shafieibafte, S. Ebrahimi, Y., (2021), Calcite e-twin evidence on the intercontinental response to variations in the Arabia-Eurasia Plate convergence, case of Kuhbanan Fault system, Central Iran. *Journal of Mountain Sciences*, 18, 1321–1339
- 14- Khodaparast, S., **Madanipour, S.**, Enkelmann, E., Nozaem, R., Hessami, K., (2020), Fault inversion in central Iran: evidence of post Pliocene intracontinental left lateral kinematics at the northern Iranian Plateau margin, *Journal of Geodynamics*, 140, 21-46.
- 13- Khodaparast, S., **Madanipour, S.**, Nozaem, R., Hessami, K., (2020). Structural evidence on strike-slip Kinematic inversion of the Kushk-e Nosrat Fault zone, Central Iran. *Geopersia*, 10: 195–209. DOI: 10.22059/GEOPE.2020.291450.648508.
- 12- Samimi, S., Gholami, E., Khatib, M, M., **Madanipour, S.**, Lisker, F., (2020). Transpression and Exhumation of Granitoid Plutons along the Northern Part of the Nehbandan Fault System in the Sistan Suture Zone, Eastern Iran, *Geotectonics*, 54, 130-144
- 11- Nouri, F. Azizi, H. Stern, B. Asahara, Y. Khodaparast, S. **Madanipour, S.** Yamamoto, K., (2018), Zircon U-Pb dating, geochemistry and evolution of the Late Eocene Saveh magmatic complex, central Iran: Partial melts of sub-continental lithospheric mantle and magmatic differentiation, *Lithos*, Vol. 314-315, P: 274-292
- 10- **Madanipour, S.**, A. Yassaghi, T.A. Ehlers, E. Enkelmann, (2018), Tectonostratigraphy, structural geometry and kinematics of the Talesh Mountains, Insights to the Late Cenozoic deformation pattern at NW Iranian Plateau margin, *American Journal of Sciences*, Vol. 318, No. 2. 208-245
- 9- Tadayon, M. Rossetti, F. Zattin, M. Nozaem, R. Calzolari, G. **Madanipour, S.** Salvini, F., (2017), The Post-Eocene Evolution of the Doruneh Fault Region (Central Iran): The Intraplate Response to the Reorganization of the Arabia-Eurasia Collision Zone. *Tectonics*, 36. <https://doi.org/10.1002/2017TC004595>
- 8- **Madanipour, S.**, A. Yassaghi, T.A. Ehlers, E. Enkelmann, (2017), Accelerated middle Miocene exhumation of the Talesh Mountains constrained by U-Th/He thermochronometry: evidence for the Arabia-Eurasia collision in the NW Iranian Plateau, *Tectonics*, 36(8), 1538–1561.
- 7- Yasami, N, Ghaderi, M, **Madanipour, S.**, Taghilou, B, (2017), Structural control on overprinting high-sulfidation epithermal on porphyry mineralization in the Chodarchay deposit, northwestern Iran, *Ore Geology Reviews*, 86, 212-224.
- 6- Abbasi, N, **Madanipour, S.**, (2014), dinosaur tracks from Jurassic Shemshak Group in the Central Alborz Mountains (Northern Iran). *Geologica Carpathica*, 65, 2, 99-115.
- 5- **Madanipour, S.**, T.A. Ehlers, A. Yassaghi, M. Rezaeian, E. Enkelmann, A. Bahroudi (2013), Synchronous Deformation on orogenic plateau margins, insights from the Arabia-Eurasia collision, *Tectonophysics*, 608, 440-451.
- 4- A. Zanjani, A.Ghods, F. Sobouti, E. Bergman, G. Mortezaejad, K. Priestley, **S. Madanipour,** M.Rezaeian (2013). Seismicity in the western coast of the South Caspian Basin and the

Talesh Mountains, *Geophysical Journal of International*. (November, 2013) 195 (2): 799-814. doi: 10.1093/gji/ggt299.

- 3- **Madanipour, S.**, Yassaghi, A., (2012). Slump folding in the Eocene Karaj Formation. *Journal of Structural Geology*, Vol. 44, Issue 1, 1-2.
- 2- Babaahmadi, A., H. Safaei, A. Yassaghi, H. Vafa, A. Naeimi, **Madanipour, S.**, M. Ahmadi, 2010, A Study of Quaternary Structures in the Qom Region, West Central Iran, *Journal of Geodynamics* Vol.50, 355-367.
- 1- Yassaghi, A., **Madanipour, S.**, (2008), Influence of a transverse basement fault on along-strike variations in the geometry of an inverted normal fault: Case study of the Mosha Fault, Central Alborz Range, Iran, *Journal of Structural Geology* (2008), Vol 30, Issue 12, 1507-1519.

Publications (Persian with English Abstract):

- 22- Ahmadi, A., Gholami, E., Khatib, M., **Madanipour, S.**, (2024). Investigating the temporal evolution of deformation pattern based on the integration of structural and thermochronometric data in the Bozgoosh-Chehel Noor Mountain Range, NW Iran. *Advanced Applied Geology* 14 (1), 186-201
- 21- Ahmadi, V. Uromiyei, A. **Madanipour, S.**, (2023). Evaluation of geomechanical properties of argillite rocks in the region of south Makran (Chabahar-Nikshahr railway), New Findings in *Applied Geology*, 17 (33), 150-168.
- 20- Ajami, M., Nozaem, R., **Madanipour, S.**, Tavakoli, V., Eliassi, M., Hajamini, S., Shadram, K., (2023). Structural evolution of the Lachinag synformal anticline at the southwestern termination of the Dochah Fault, west of Qom Province, northern Central Iran, *KJES* 2023; 9 (1) :260-282
- 19- Heidary, I., **Madanipour, S.**, (2023). Pre Triassic Normal Faulting in NW Iran, *journal of Tectonics*, 20, 4, 1-13.
- 18- Shavvakhi, F., **Madanipour, S.**, Tadayon, M., Rastad, E., Jafari, M., (2023). Structural evolution of the southern Natanz region and its role in the distribution and concentration of Pb-Zn mineralization, *Iranian Journal of Geology* 16 (64001853), 103-118
- 17- Gholami, E., Ahmadi, A., Khatib, M., **Madanipour, S.**, (2021). Low temperature Thermochronometry and Structural constraints on evolution pattern of the Bozgoosh and Chehel-Nour Mountains intersection, NW Iran, *Geosciences* 31 (4), 123-138
- 16- Niasarifard, M., Shabanian, E., Solaymani Azad, S., **Madanipour, S.**, (2021). Evolution pattern of pull-apart basins related to the continuation of the Main Recent Fault in NW Iran, *Bulletin of Earthquake Science and Engineering* 8 (1), 1-24
- 15- Shavvakhi, F., **Madanipour, S.**, Rastad, E., (2021). Structural analysis of the South Natanz Region, evidence for the interaction of the dextral transpression on earlier thrust faults in central Iran, *Geosciences* 30 (118), 255-268
- 14- Jafari, M. Rastad, E. **Madanipour, S.** Maghfouri, S., (2020), Yazdan lead-zinc and barite deposit, an example of SEDEX-type deposits in the western Central Iran structural zone. *Geosciences*, 30, 117, 275-286
- 13- Barati, A. Yassaghi, A. **Madanipour, S.** (2020), Post Cretaceous Tectonic Evolution of Azadkuh Region in Central Alborz Mountains, *Kharazmi Journal of Earth sciences*, 6(1), 41-54
- 12- Jafari, M. Rastad, E. **Madanipour, S.** Maghfouri, S., (2020), Mineralization, structures and texture, sulfide minerals geochemistry and fluid inclusions study of the zinc-lead ore mineralization in the carbonate hosted Gardeneh-Shir deposits in southwestern Ardestan. *Journal of advanced Applied Geology*, 10,3, 452-467

- 11- Ghssemi, Z. Alipoor, R. **Madanipour, S.** (2020), Influence of thrust and basement strike-slip faults on the geometry of the Amiran anticline structure in Lurestan subzone, West Zagros, *Tectonics Journal*, 3, 11, 1-14
- 10- Soudmand, Z. **Madanipour, S.** Nozaem, R. (2019), Insights in to the overprinting of the dextral shearing on the Deh Zaman mylonitic granite, Kuh-e-Sarhangi Area, northwest edge of the Lut Block. *Tectonics Journal*, 2, 8, 5-15
- 9- Samimi, S. Ghoolami, E. Khatib, M. **Madanipour, S.** Lisker, F. (2019), Role of transpressive tectonic regime in configuration of Bibi-Maryam area in the north part of Sistan Suture Zone, eastern Iran. *Tectonics Journal*, 2, 8, 29-43
- 8- Zandi, H. Yassaghi, A. **Madanipour, S.** (2019), Development of growth strata in the Nesa anticline evidence on the effect of Eo-cimmerian event in Central Alborz, *Tectonics Journal*, 2, 7, 1-13
- 7- Ershadnia, M. **Madanipour, S.** Yassaghi, A., (2018), Structural evolution of High Zagros Fault in Faraghun Mountains, Evidence for right lateral transpression in SE Zagros, *Geosciences* (2018), No. 108, 127-134.
- 6- Khadivi, V. Yassaghi, A. **Madanipour, S.**, 2017, Geomagnetic Data on Verification of Deep-seated Transvers Fault Lineaments in SE Zagros. *Geology Research*, V.2, No.2.
- 5- Saberi. E, Yassaghi. A, Djamour. Y, **Madanipour. S.**, 2016, Estimation of uplift rate variation in the central Alborz Mountains of Northern Iran by precise leveling approach , *Earth Sciences researches* (2016), Vol 25, 58-73.
- 4- Asgari, G. Yassaghi, A. **Madanipour, S.**, 2015, Structural geometry of Moallem Kalayeh inlier an evidence of inversion tectonic and dextral transpression in west central Alborz Mountains. *Tectonics*, V. 1, No. 1, 2-18.
- 3- Moeini. M, Rahimpour Bonab. H, Tavakoli. V, Moradpour. M, **Madanipour .S**, 2014, reservoir zonation of Bangestan group in the Sarkan field based on the sedimentology and petrophysics characteristics , *Quarterly Journal of Applied Sedimentology* 2014, Vol 4, 50-73.
- 2- **Madanipour. S**, Ehlers. T. A., Yassaghi. A, Rezaeian.M, Enkelman. E, Bahroudi. A, 2014, Late Oligocene onset of uplift in the Talesh Mountains, NW Iran Constrained from apatite fission track Low Temperature Thermochronometry, *Journal of Oil and Gas Exploration and Production* (2013), Vol 101, 77-83.
- 1- **Madanipour. S**, Yassaghi. A, 2009, Structural Geometry of Taleqan Mountains; an evidence for structural evolution of South Central Alborz Range from Inversion to transpression *Tectonics, Geosciences*, Vol 18, No. 72, 127-134.

Abstracts and Proceedings (International):

- 6- **Madanipour. S**, T. A. Ehlers, Yassaghi.A, Rezaeian.M, Enkelman. E, Bahroudi. A., (2012). Late Oligocene Onset of Uplift at the Talesh Mountains, Southwestern Margin of the South Caspian Block. American Association of Petroleum Geology (AAPG) Annual Meeting, Baku, Azerbaijan.
- 5- **Madanipour. S**, Yassaghi.A, Rezaeian.M, T. A. Ehlers, Enkelman. E, (2012). Spatial Variations in the Late Cenozoic Shortening of the Talesh Mountains, Implications for Deformation Pattern around South Caspian Block. American Association of Petroleum Geology (AAPG) Annual Meeting, Baku, Azerbaijan.
- 4- **Madanipour. S**, T. A. Ehlers, Rezaeian.M, Yassaghi.A, Enkelmann. E, (2012), Late Oligocene Onset of Uplift at the Talesh Mountains, Northern Margin of the Iranian Plateau, 13th International Thermochronology conference, Gilian, China.
- 3- Babaahmadi, A., **Madanipour. S**, R. Aghataher, S. Shahriari (2012) Geomorphic evidence on potential activity of the Saveh Quaternary restraining zone, West Central Iran, 34th International Geological Congress, Brisbane, Australia.

- 2- **Madanipour. S.**, T. A. Ehlers, Yassaghi. A, Rezaeian.M, (2012) Exhumation pattern of the Talesh Mountains, NW Iran, evidence for rapid cooling in the Middle Miocene, 34th International Geological Congress, Brisbane, Australia.
- 1- **Madanipour. S.**, Rezaeian. M, Yassaghi. A, Bahroudi. A, (2010) Exhumation Pattern in the Talesh Mountains, NW Iran, Climate Forcing, Geological Society of America, Tectonic Crossroad Meeting, Ankara, Turkey.

Abstracts and Proceedings (National):

- 47- Ahmadinejad, N., Nozaem, R., **Madanipour. S.**, Vignaroli, G., Karami, S., Mortaz, M., (2024). Structural control on ore mineralization in MohebAli and Abbas Abad fault zones SW of Eshtehard, North of central Iran. 5th symposium of Mining Engineering of Iran.
- 46- Shahabi, A., Tajeddin, H., Ghaderi, M., **Madanipour. S.**, Ghiasi, A., (2023). The faults controlling copper and gold mineralization in the Siahouki epithermal deposit, north Bam, southeastern Iran, 15th symposium of Iranian society of Economic Geology.
- 45- khodaparast, S., **Madanipour. S.**, Hessami, K., Babaahmadi, A., (2023). Active faulting in Qom-Saveh region, 5th national symposium of quaternary society of Iran.
- 44- Shadram, K., **Madanipour, S.**, Nozaem, R., (2023). Geometry of folding and post Miocene shortening evaluation in the northern block of the Kushk-e-Nosrat Fault, central Iran, 41th National Geosciences Congress – Tehran, Iran.
- 43- Ahmadinejad, N., Nozaem, R., **Madanipour, S.**, Vignaroli, G., Solaymani, M., Meysami, S., Karami, S., (2023). GIS and structural based investigations on barite mineralization at Ipak fault zone, north of central Iran, 41th National Geosciences Congress – Tehran, Iran.
- 42- Ahmadinejad, N., Nozaem, R., **Madanipour, S.**, Vignaroli, G., Solaymani, M., Meysami, S., Karami, S., (2023). Structural control on Barite Mineralization at Ipak Fault zone, north of the central Iran, 25th Geological Society of Iran Annual meeting.
- 41- Parasti, G., **Madanipour, S.**, Tajeddin, H., (2022). Geometry and kinematics of the Kasnazan shear zone, southwest of Saez, NW Iran, 25th Geological Society of Iran Annual meeting.
- 40- Ajami, M., Nozaem, R., **Madanipour, S.**, Hajamini, S., Tavackoli, V., Eliassi, M., (2022). Paleostress analysis based on the multiple inversion method in the Dochah region, 40th National Geosciences Congress – Tehran, Iran.
- 39- Nozaem, R., Ajami, M., **Madanipour, S.**, Hajamini, S., Tavackoli, V., Eliassi, M., (2022). Structural evolution of Lachinak syncline, north of Central Iran, 40th National Geosciences Congress – Tehran, Iran.
- 38- **Madanipour. S.**, (2019), Structural Geometry, Kinematics and cooling history of the Faraghun Mountains, evidence of deformation sequence in SE High Zagros Mountains. 7th Iranian Tectonics conference, Tehran University, Iran
- 37- Niasari, M. Shabani, E. Solaymani, S. **Madanipour, S.**, (2019), Kinematics and active tectonics of the NW continuation of the Zagros Main Recent Fault (NW Iran). 3rd TRIGGER International conference, Zanjan, Iran
- 36- Khodaparast, S. **Madanipour, S.** Enkelmann, E. Nozaem, R. Hessami, K. Matthews, W., (2019), Low-temperature thermochronology constrains on Cenozoic fault kinematic inversion in Northern Iranian Plateau margin, case of the Kushk-e-Nosrat Fault, central Iran. 3rd TRIGGER International conference, Zanjan, Iran
- 35- **Madanipour. S.**, (2019), Cooling history of the Orogenic belts, detrital or bedrock thermochronometry? Evidence from the Talesh Mountains at western Alborz belt. First Conference on geology of Alborz and Caspian Sea, Golestan, Iran
- 34- Tadayyon, M. Rossetti, F. Nozaem, R. **Madanipour, S.** (2019), thermochronological and structural evidence on tectonic evolution of the NE central Iranian micro block, 7th Iranian Tectonics conference, Tehran University, Iran

- 33- Heydari, I. **Madanipour, S.**, (2019), Pre Triassic evidence of normal faulting at Abgarm Mountains, NW Iranian Plateau. 7th Iranian Tectonics conference, Tehran University, Iran
- 32- Soudmand, Z. Nozaeim, R. **Madanipour, S.**, (2019), Strain and vorticity analysis of the Feldspar grains in Kuh-e-Sarhangi shear zone, NE Lut Block, Iran. 7th Iranian Tectonics conference, Tehran University, Iran
- 31- Ghassemi, Z. Alipoor, R. **Madanipour, S.** (2019), structural analysis of the Amiran Anticline in Lorestan subzone, Zagros Fold and Thrust Belt, Iran, 22th Geological Society of Iran Annual meeting.
- 30- Ghassemi, Z. Alipoor, R. **Madanipour, S.** (2019), Transmission of the right lateral strike slip kinematics to Lorestan subzone, Zagros Fold and Thrust Belt, Iran, 8th international seismology and earthquake engineering conference, Tehran, Iran.
- 29- Soudmand, Z. **Madanipour, S.** Nozaem, R. (2019), 3D strain analysis in Deh zaman granitic mylonite, NE of the Lut Block, NE Iran, 21th Geological Society of Iran Annual meeting.
- 28- Soudmand, Z. **Madanipour, S.** Nozaem, R. (2019), overprinting of the right lateral shearing in Deh zaman granitic mylonite, NE of the Lut Block, NE Iran, 21th Geological Society of Iran Annual meeting.
- 27- Soudmand, Z. **Madanipour, S.** Nozaem, R. (2019), estimation of maximum shear stress and strain rate in Deh zaman granitic mylonite, NE of the Lut Block, NE Iran, 21th Geological Society of Iran Annual meeting.
- 26- Shavvakhi, F. Tadayon, M. **Madanipour, S.** Rastad, E. (2019), structural evolution of south Natanz area, evidence of thrust and strike slip fault interactions, 21th Geological Society of Iran Annual meeting.
- 25- Khosrobeygi, S. **Madanipour, S.** Nozaeim, R., (2018), Morphometric constrains on recent tectonic activity in North Taleqan Mountains, Central Alborz Mountains of Northern Iran. The 36th National and the 3rd International Geosciences Congress – Tehran, Iran.
- 24- Eslami, S. **Madanipour, S.** Ghods, A., (2018), Geometry and Kinematic analysis of a thrust system in Avaj Region, Central Iran. The 36th National and the 3rd International Geosciences Congress – Tehran, Iran.
- 23- Jafar Koupaie, M. Rastad, E. **Madanipour, S.**, (2018), Ore bearing fluid properties and mineralization type of Gardanehshir ore complex at SW Ardestan, constrained by fluid inclusion analysis. The 36th National and the 3rd International Geosciences Congress – Tehran, Iran.
- 22- Esmaeilian, S. **Madanipour, S.** Shafiei, S., (2018), Deformation conditions in Kuhbanan Fault zone, NE Keraman, by using calcite e-twin analysis approach. The 36th National and the 3rd International Geosciences Congress – Tehran, Iran.
- 21- Shahbazi, S. Ghaderi, M. **Madanipour, S.**, (2018), Effect of the Zanjan- Manjil semi-brittle fracture zone on Pb, Zn, Au, Ag (Cu) mineralization at Zehabad, NW Qazvin. The 36th National and the 3rd International Geosciences Congress – Tehran, Iran.
- 20- Jafar Koupaie, M. Rastad, E. **Madanipour, S.**, (2017), Zn-Pb carbonate hosted mineralization in Gardaneh Shir ore complex, SW Ardestan, central Iran. 9th National Symposium of Iranian Society of Economic Geology- Birjand.
- 19- Barati, A, Yassaghi, A, **Madanipour, S.**, (2017), Evidence of inversion tectonic in Azadkuh region, central Alborz Mountains, 35th Geological Survey of Iran Annual meeting.
- 18- Ghaffari, A, Shoaie, G, **Madanipour, S.**, (2016), Evaluation of leakage in Alborz service Tunnel by IMS approach, Fourth International Congress of Civil Engineering, Architecture and Urban Development, Tehran, Iran.
- 17- Ghaffari, A, Shoaie, G, **Madanipour, S.**, (2016), Estimate the amount of water leaking into the Alborz service Tunnel by analytical and experimental approach, 20th Geological Society of Iran Annual meeting.

- 16- Moeini. M, Rahimpour Bonab. H, Tavakoli. V, Moradpour. M, Madanipour. **S**, (2016), Presentation isolated carbonate platform for Sarvak successions in the Lorestan area, SW Iran, 2nd Sedimentological Society of Iran Annual meeting
- 15- Taheri. F, Mohajjel. M, Madanipour. **S**, Mousavi. M, (2016), Geometry and kinematics of the fault systems at southern boundary of the Yush inlier, Central Alborz, 34th Geological Survey of Iran Annual meeting.
- 14- Mousavi. M, Mohajjel. M, Madanipour. **S**, Taheri. F, (2016), Structural properties of the northern boundary of the Eocene sedimentary basin in the central Alborz Mountains, 34th Geological Survey of Iran Annual meeting.
- 13- Ershadinia. M, **Madanipour .S**, Yassaghi. A, (2016), Structural geometry and kinematic variations along the High Zagros Fault in Faraghun Mountains at SE Zagros, 34th Geological Survey of Iran Annual meeting.
- 12- **Madanipour. S**, Ehlers. T. A., Yassaghi. A, Enkelman. E, Siebel. W, (2015), Time-temperature U-Th-Pb-He modelling of the Lisar Granite in the Talesh Mountains, Evidence for Late Cenozoic exhumation pattern at NW Iranian Plateau, Third Iranian Tectonics conference, National Iranian Oil Company.
- 11- **Madanipour. S**, Ehlers. T. A., Yassaghi. A, Rezaeian.M, Enkelman. E, Bahroudi. A, (2014) Rapid Middle Miocene Deformation of the NW Iranian Plateau Margin, Constrained from U-Th/He Low Temperature Thermochronometry, Second Iranian Tectonics conference, Geological Survey of Iran.
- 10- **Madanipour. S**, Ehlers. T. A., Yassaghi. A, Rezaeian.M, Enkelman. E, Bahroudi. A, (2013) Cooling History of the Talesh Mountains, Evidence for Structural Bending at Northwestern Margin of the Iranian Plateau, First Iranian Tectonics conference, Geological Survey of Iran.
- 9- **Madanipour. S**, Ehlers. T. A., Yassaghi. A, Rezaeian.M, Enkelman. E, Bahroudi. A, (2013) Late Oligocene onset of uplift in the Talesh Mountains, NW Iran Constrained from apatite fission track Low Temperature Thermochronometry, First Iranian geochronologic conference, Geological Survey of Iran.
- 8- Enayat. M, **Madanipour. S**, Baradaran. E, Sadeghi. M, (2013). The significance of the engineering geological investigations in tunnel route assessments along the first segment of the Taleqan tunnel system. 10th Iranian tunneling Association conference.
- 7- **Madanipour. S**, Yassaghi. A, Enayat. M, Baradaran. E, Emamjomeh. M, (2013). The significance of geological risk investigations for appraisal of the optimal tunneling condition in the Taleqan Tunnel systems. 10th Iranian tunneling Association conference.
- 6- Abbasi, N. **Madanipour, S**. 2011, Extensive Tripod Dinosaur Footprints at Jurassic Shemshak Formation, Central Alborz Mountains, Northern Iran, 30th Geological Society of Iran Annual meeting.
- 5- **Madanipour. S**, Yassaghi. A, Shafaei. A, 2010, Microstructural and Strain Analysis as Evidence for the Origin of the Thrust sheets in the Taleqan Mountain, South-Central Alborz Range, Iran, 13th Geological Society of Iran Annual meeting.
- 4- **Madanipour. S**, Yassaghi. A, Mohajjel. M, 2009, The influence of layers competency variations on folding style of Eocene Anhydrites of Karaj formation, Alborz mountains, Iran 12th Geological Society of Iran Annual meeting.
- 3- **Madanipour. S**, Yassaghi. A, Abbasi, A. Giniievski. I, 2009, The significance of simultaneous geological investigations with tunneling of long and deep tunnels, Alborz Exploratory Tunnel, Tehran-Shomal Freeway, Iran, 8th Iranian tunneling Association conference.
- 2- **Madanipour. S**, Yassaghi, A, 2008, Verification of Valian Valley basement lineament and its effects on formation of Southern central Alborz edge, 11th Geological Society of Iran Annual meeting.
- 1- **Madanipour. S**, Yassaghi, A, 2007, The role of thrusting on Taleqan mountain pop-up zone, 10th Geological Society of Iran Annual meeting.

