



AMIR SHAFIEI BAFTI

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Personale Information

Name: Amir Shafiei Bafti
Date of Birth: 31 Aug 1972
Citizenship: Iranian

Education

Ph.D. (Structural Geology/Tectonics). 2006, IAU. Science and Research Campus, Tehran, Iran,
M.Sc. (Structural Geology). 1998, IAU. North Tehran Branch, Tehran, Iran
B.Sc. (Geology) 1995, IAU. Zarand Branch, Kerman, Iran,

Research and Teaching Interests

Active tectonics, seismotectonics, structural geology, exploration geology

Employment History

Apr 1995- Agu 1998: Manager of Geotechnical Projects, Mandro Corporation, Tehran, Iran

1996-Present: Lecturer- Iau zarand, kerman, Iran

Teaching subjects: Structural Geology, Tectonics, Applied Geophysics, Field Geology, Geology of Iran (Field), Physical Geology, General Geology. Morpho tectonics. Advance structural geology. seismotectonics

2000-2005: Lecturer- Payame Noor University, Kerman, Iran

Teaching subjects: Structural Geology, Tectonics, Physical Geology

2000- 2004: Lecturer- Department of Mining, Jaame- Elmi- Karbordi University, Kerman, Iran
Teaching subjects: Structural Geology, Tectonics, Physical Geology

2007-Present: Lecturer- Iau kerman, kerman, Iran

Teaching subjects: General geology, engineering geology. Structural geology. Seismotectonics

Current Research Projects and Graduate Students

1. Determination of the slip rate of Kuhbanan and Lakarkuh and Nayband faults by combination of GPS and Morphotectonic Indexes in Central Iran.
2. Study of Historical and Current Earthquakes in Kerman Region, SE Iran
3. Morphotectonics studies of Active faults around of Lut Block, Central and East of Iran

Supervisor and Advisor Of thesis

Supervisor of 10 PhD thesis and supervisor of 20 MSc thesis. Advisor of 17 thesis

Membership of Scientific Societies

1. Iranian National Oil Association
2. Geological Society of Iran
3. Iranian National Energy Committee.
4. Iranian mining engineering organization

Publications

Congress and conferences

Shafiei Bafti, A., Amiri, A., 2000. Strain analysis on the Ab-khadje anticline. Proceeding of the 4th Symposium of Geological Society of Iran, Tabriz University, Iran

Amiri, A., **Shafiei Bafti, A.,** 2000. Structural control role in emplacement of ore body, Robotkarim Manganese mine. Proceeding of the 4th Symposium of Geological Society of Iran, Tabriz University, Iran

Shafiei Bafti, A., Amiri, A., Akbarzadeh, A., 2001. A Discussion on the formation tectonics setting of Rizu, Dezu, Hormuz and Ravar series. Proceeding of the 5th Symposium of Geological Society of Iran. Tehran University. Iran.

Shafiei Bafti, A., Ghotbi, M, R., Kianian, M., 2004. A perspective to tectonic environment for Protrozoic series in south and central of Iran. 32th International Geologic Conference Proceeding, August 20-28, Florence, **Italy.**

Shafiei Bafti, A., Shahpasandzadeh, M., Pourkermani, M., 2005. Active Tectonics of Kuhbanan fault between Dehzuiye and Pabedana regions. Proceeding of the 9th Symposium of Geological Society of Iran, August.

Iranmanesh, F., **Shafiei Bafti, A.,** 2005. Structural analysis of Zarab Mountain with attention to poly deformation evidence. Proceeding of the 9th Symposium of Geological Society of Iran, August

Shafiei Bafti, A., Pournamdari, M., 2005. A new tectono-magmatic model for early Cambrian of south and central of Iran. 4th symposium Cambrian system proceeding, August 18-24, **Nanjing, China**

Ghotbi, Mohammad reza, **Shafiei bafti, A.**, 2006. Investigation on the Upper Paleozoic Sedimentary Environment, South-central Iran. The 6 International Conference on the Geology of the Middle East. **Al ain. Emirates.**

Shafiei bafti, Amir, Ghotbi, M.R., 2006. Seismicity and Present-day Deformation in Middle East. The 6 International Conference on the Geology of the Middle East. Al ain. Emirates.

Shahpasandzadeh, M., **Shafiei Bafti, A.**, 2006. Quaternary offset and evolution of major active strike-slip fault system: Kuhbanan fault, central Iran. Geophysical Research Abstract, Vol.8, 00296.

Shafiei Bafti, A., Shahpasandzadeh, M., 2006. Seismicity of SE of central Iran, Kuhbanan fault: an intra-continental strike-slip fault system. Geophysical Research Abstract, Vol.8, 00296.

Shafiei Bafti, A., Shahpasandzadeh, M., 2008. Reconstruction of Kouhbanan fault system since late Pliocene, west of Bahabad, Central Iran. 33th International Geologic Conference Proceeding, August 4-16, Norway.

Shafiei Bafti, A., Shahpasandzadeh, M., 2009 Morphotectonics and structure of Ravar fault zone in north of Kerman, Central Iran. Proceeding of the 12th Symposium of Geological Society of Iran, Ahvaz. Feb

Shafiei Bafti, A. shakerardakani, A. Elahi, A.Taraz, H., Iranmanesh, H., 2010. The study of fault damage zone and new theory of fault set back. International Conference on Light Weight Constructions and Earthquake. Kerman .Iran

Shafiei Bafti, A., Shahpasandzadeh, M., 2010. Active faulting and seismicity of north Kerman region. SEGC.1. Kerman. Iran.

Shahpasandzadeh, M., **Shafiei Bafti, A.**, Iranmanesh, F., 2010. Quaternary Offset and Seismic Activities Of an Intracontinental Oblique-slip Fault System: The Ravar Fault, South of Central Iran. **AGU, Meeting. Brazil.**

Seyfi, K., Moeinzadeh, H., **Shafiei Bafti, A.**, 2011. Petrography and mineral chemistry of mrtamorphic rocks in Cheshmeh kalite area (kuh-e- Tanbour. Sirjan). 1nd congress of National geology of Iran. Shiraz. Iran.

Seyfi, K., Moeinzadeh, H., **Shafiei Bafti, A.**, 2011. Metabasit rocks petrography in metamorphic rocks in Cheshmeh kalite area (kuh-e- Tanbour. Sirjan). 1nd geological congress of Iranian plateau. Zarand. Iran

Seyfi, K., Moeinzadeh, H., **Shafiei Bafti, A.**, 2011. Metacarbonites petrography in metamorphic rocks in Cheshmeh kalite area (kuh-e- Tanbour. Sirjan). 1nd geological congress of Iranian plateau. Zarand. Iran

Seyfi, K., Moeinzadeh, H., **Shafiei Bafti, A.**, 2011. Cholorit, Biotit and Garnet mineral chemistry in metamorphic rocks in Cheshmeh kalite area (kuh-e- Tanbour. Sirjan). 1nd geological congress of Iranian plateau. Zarand. Iran

Seyfi, K., Moeinzadeh, H., **Shafiei Bafti, A.**, 2011. Amphibole and Plagioclase mineral chemistry in metamorphic rocks in Cheshmeh kalite area (kuh-e- Tanbour. Sirjan). 1nd geological congress of Iranian plateau. Zarand. Iran.

Shafiei bafti, A., Iranmanesh, F., 2011. The calculation of quaternary deposits diffusion coefficient by fault Scarps for estimation of earthquake hazards in central Iran. XVIII INQUA Congress – **Bern, Switzerland**

Naderi, T., **Shafiei Bafti, A.**, Shahpasandzadeh, M., Amirzadeh, M., 2012. Analysis of Geomorphie indexes in Southeastern of Kouhbanan fault. 2nd geological congress of Iranian plateau. Zarand. Iran

Naderi, T., **Shafiei Bafti, A.**, Shahpasandzadeh, M., Amirzadeh, M., 2012. The studies of drainages morphotectonics between Gourchoueyeh-Lanjan (North of Kerman). 2nd geological congress of Iranian plateau. Zarand. Iran

Naderi, T., **Shafiei Bafti**, A., Shahpasandzadeh, M., Amirzadeh, M., 2012. Analysis of fault system mechanism in North of Chatroud area.). 2nd geological congress of Iranian plateau. Zarand. Iran

Setareh, H., **Shafiei Bafti**, A., Shakerardakani, A., Dargahi, S., 2012. Emplacement mechanism of the post Eocene dikes of Rafsanjan – Sarcheshme area. 2nd geological congress of Iranian plateau. Zarand. Iran.

Rouhi, M., Hoseini, Z., **Shafiei Bafti**, Amir. 2012. Geochemistry and petrogenesis of dikes in Behnouiye area, Shahrehabak region. 2nd geological congress of Iranian plateau. Zarand. Iran.

Zamani, E., Aletaha, B., **Shafiei Bafti**, Amir. 2012. Survey of burial metamorphism and formation of prehnite in volcanic rocks, SE of Dehalireza. . 2nd geological congress of Iranian plateau. Zarand. Iran.

Shafiei bafti, A., Momeni, M., Aletaha, B., Teymouri. M. 2013. Review of Saravan- Khash mega earthquake. International Van earthquake symposium- **Van, Turkey**.

Teymouri, Moein. **Shafiei bafti**, Amir., 2016. Subsidence and undesirable consequences in Sirjan plain. Subsidence conference.GSI. Tehran. Iran

Papers

Shahpasandzadeh, M, **A. Shafiei Bafti**., 2005. Offset, Slip Rate, and Denudation Rate in Middle part of Kouhbanan fault zone, Zarand region. S.E of Central Iran. Res, Bull of IIEES.Vol.8, No.2, 3

Iranmanesh, F., **Shafiei Bafti**, A., 2007. Structural analysis of Zarab Mountain with attention to poly deformation evidence. Journal of the Earth. IAU North Tehran branch. Vol 2, No 2

Shafiei Bafti, A., Pourkermani, M., Shahpasandzadeh, M., Khosrotehrani, Kh. 2008. Reconstruction of Kouhbanan fault system since late Pliocene, West of Bahabad, and Central Iran. JSIAU. IAU. Science and Research Campus, Tehran, Iran, vol.17, No.65

Shafiei Bafti, A., Pourkermani, M., Shahpasandzadeh, M., Iranmanesh, F., 2009. The assessment of activity and Morphotectonics of Kouhbanan fault by geomorphic index values. Journal of physical Geography.Vol.1 No. 3

Iranmanesh, F., **Shafiei bafti**, A., Shahriari, S., Pourkermani, M., 2009. Microstructures analysis of Zarab region, South of Kerman. Journal of applied geology. Vol 4. No. 4

Khodami, A., Bouzari, S., **Shafiei bafti**, A., 2009. Morphotectonics indexes of Lalezar fault in south of Bardsir. Journal of the Earth. IAU North Tehran branch. Vol.5. N.1

Shafiei Bafti, A., Pourkermani, M., Shahpasandzadeh, M., Iranmanesh, F., 2009. The assessment of activity and morphotectonics of kouhbanan fault by geomorphic index values. Journal of geology & environment.Vol. 2, No.1

M. R. Ghotbi, K. Rashidi, **A. Shafeie Bafti**1, S. M. Madjdzadeh &R. Javarani., 2009. General investigation into Upper Paleozoic sedimentary environment in southern Central Iran. Journal of applied geology. No. 1

Shafiei Bafti, A., Jafari, H., Shahpasandzadeh, M., 2009. Active tectonics and earthquake hazard assessment in Sabzevaran region. Journal of applied geology. No3.

Shafiei Bafti, A., 2009. Tectonics movements of kouhbanan fault system in Bahabad region, central of Iran. Iranian journal of earth science. Vol.1. No. 1

Shafiei Bafti, A., Shahpasandzadeh, M., 2010. The assessment of Morphotectonics and seismotectonics of Ravar fault zone, North of Kerman, South of central Iran. Scientific quarterly journal Geosciences. Geological survey of Iran.Vol 19. No.75

Shafiei bafti, A., Pourkermani, M., Arian. M., Ghorashi, M., 2014. The study of uplifting movements of Jorjafk fault by rivers at North front Davaran Mountain. Scientific quarterly journal Geosciences. Geological survey of Iran. Vol.2. No. 92

Iranmanesh, F., **Shafiei bafti, A.**, Negarestani, A., Malakootian, M. 2014. Estimated Annual Effective Doses of Radon in Springs and Qanats Nearby Kouhbanan Active Fault System; Iran. Journal of Sciences, Islamic Republic of Iran 25(4): 345- 355

Naderi, T. **Shafiei Bafti, A.**, Shahpasandzadeh, M., 2015. Structural analysis of Kouhbanan fault system, between Tikdar – Gourghuiyeh. North Kerman. Central Iran. Scientific quarterly journal Geosciences. Geological survey of Iran.Vol. 1, No.95

Khodami atashan, Ali. Pourkermani, Mohsen. **Shafiei bafti, Amir**. Bouzari, soheila. Ghorashi, Manouchehr.,2017. Assessment of Beshagard mountain tectonic activity (South of Jazmurian depression) application IRAT index. Open Journal of geology. N0,7. Pp- 295-317

Naderi, T., Pourkermani, M., **Shafiei bafti, A.**, Aminizadeh, A., Bouzari, S., 2017. Permeability study of structures associated with Kouhbanan Fault zone. Scientific quarterly Journal. GEOSCIENCES. Vol. 26, No. 104

Shafiei bafti, A., 2019. Seismicity and earthquake hazard assessment in North of Kerman [By Kijko & Silevoll (1992) method]. Scientific quarterly journal Geosciences. Geological survey of Iran. Scientific quarterly Journal. GEOSCIENCES. Vol. 28, No. 111

Shafiei bafti, A., 2020. The relation of Concentration radon gas in underground water with tectonic movements and Seismicity. Case Study: Jorjafk fault, Central Iran. Geological survey of Iran. Scientific quarterly Journal. GEOSCIENCES. Vol. 30, No. 117

Hasan Mansouri1, **Amir Shafiei Bafti***, Mohsen Pourkermani1., 2020. The power law scaling, geometric and kinematic characteristic of faults in the Northern part of the Kerman Coal Province (KCP), Iran. *Iranian Journal of Earth Sciences* .Vol. 12, No. 2, 124-132.

Iranmanesh, F., **Shafiei bafti, A.**, Pourkermani, M., Arian. M., Ghorashi, M. Structural analysis of Jorjafk fault in Farah abab- Nochouiyeh area (South of central Iran). JSIAU. IAU. Science and Research Campus, Tehran, Iran, (Accepted for publishing)

Ghotbi ravandi, M., **Shafiei bafti, A.**, javarani, R. Sedimentary environment and biostratigraphy of cretaceous deposits in North of Ravar (Char tagh section). Journal of applied geology (Accepted for publishing)

Books

Shafiei Bafti, Amir, Derakhshani, Reza., 2016. Applied active tectonics. ACECR Kerman branch. Pp. 138

Workshop

The using of geophysical and structural methods in ore deposits explorations. 2011.01.8. Mine and industries home of Kerman. Iran

Active faulting and paleoseismology methods. 2012 Mars .GSI. Bam. Iran.

Ziafate andisheh. 2013 July. IAU. Kerman branch. Kerman. Iran

Nehzate Roshangari. 2013 Apr. IAU. Kerman branch. Kerman. Iran

Earthquakes how occur. 2013 Apr. IAU.Baft branch. Kerman. Iran

Disaster Management. 2013 Oct. IAU. Zarand branch. Zarand Iran

Ziafate andisheh. 2014 July. IAU. Kerman branch. Kerman. Iran

Research Projects

Shafiei Bafti, Amir. Amiri, Ali. 1999. Geological Study of Gypsum Accumulation, Zarand Region. Project Report accepted to IAU University Research Center, Tehran, Iran, and 85p

Shafiei Bafti, Amir, Derakhshani, Reza, 2001. Estimation of Kuhbanan fault activities with use of morphotectonics indexes. Project Report accepted to IAU University Research Center, Tehran, Iran 70p.

Shafiei Bafti, Amir, Pournamdari, Mohsen, 2003. Geological study of Sikhoran chromite reservoirs. Project Report accepted to IAU University Research Center, Tehran, Iran, and 200p

Shafiei Bafti, Amir. Derakhshani, Reza. 2004. Estimation of EQ risk on the Kuhbanan- Lakarkuh region. Project Report accepted to IAU University Research Center, Tehran, Iran. 105p

Shafiei Bafti, Amir. Jafari, Hamid. 2006. Estimation of EQ risk on the Sabzevaran region. Project Report accepted to IAU University Research Center, Tehran, Iran 144p

Shafiei Bafti, Amir, Pournamdari, Mohsen, 2008. Active tectonics study of Ravar fault zone and Estimation of EQ risk on Ravar region. Project Report accepted to IAU University Research Center, Tehran, Iran 55p

Shafiei Bafti, A, Iranmanesh, F., Shahpasandzadeh, M., Ghotbi. M. R., 2010. The calculation of deposit diffusion coefficient by fault scarps in north of Kerman. Project Report accepted to IAU University Research Center, Tehran, Iran .60 pp

Shafiei Bafti, Amir. Asadyar. Ehsan. Amiri, Ali. 2012. Construction of the pure shear modeling simulator. Project Report accepted to IAU University Research Center, Tehran, Iran.

Shafiei Bafti, Amir. Asadyar. Ehsan. 2013. Construction of the simple shear modeling simulator. Project Report accepted to IAU University Research Center, Tehran, Iran.

Shafiei Bafti, A, Iranmanesh. 2013. Measurement of Radon concentration on Jorjafk fault system. . Project Report accepted to IAU University Research Center, Tehran, Iran.

Shafiei Bafti, Amir. 2014. Construction of the Subduction modeling simulator. Project Report accepted to IAU University Research Center, Tehran, Iran.

Computer Skills

Fabric8, Rockwork 2016, ArcGIS 10, Corel Draw X8, Photoshop cc2017, Office 2017

Languages

Persian, English,
Last update: 2021-3-3