

MohammadrezaShayestehfar

Associate Professor

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Exploration geochemistry,
Environmental geochemistry,
Economic geology



Ph.D. Mineral exploration, New Delhi, India (1993)

M.Sc. Mineral exploration, Poona, India (1989)

B.Sc. Mineral exploration, New Delhi, India (1986)

Sabbatical (Post-Doc) Mineral Exploration and Environmental Geochemistry, Wollongong, Australia (2008)

Technical fields of study	<ul style="list-style-type: none">- Analysis and interpretation of exploration data (geology, geochemistry and remote sensing).- Ore body modelling and exploration project design.- Metallic & non-metallic mineral exploration- Nano-geochemistry and environmental geochemistry- Economic geology (ore geochemistry)
Research interests	<ul style="list-style-type: none">- Study of systematic regional exploration and prospecting of promising areas using statistical advanced methods in GIS environment.- Determination of Contaminant areas of geology, geochemistry and hydrogeochemistry information with the use of processing, interpretation and modeling.- Determination of contaminant situation of AMD mine and heavy mineral removal using competitive method with the use of NANO technique.- Study of different systematic ore genesis and their modeling.- Hydrogeochemical study on groundwater quality estimation for the cultural, drinking and interpretation parameters and heavy metal study around coalwashery-mineralogy area, petrography and coal geochemistry.
Courses taught (undergraduate)	<ul style="list-style-type: none">- Economic geology (Iran and world ore deposits)- Mineralogy- Exploration geochemistry- Cartography- English technical language
Courses taught (graduate)	<p>Post graduate</p> <ul style="list-style-type: none">- Ore body modelling- Metallic & non-metallic mineral exploration- Advanced exploration geochemistry- Exploration project design and modeling- Environmental geochemistry- Petroleum and Coal exploration- Applied geochemistry- Evaporate facies mineral exploration <p>Ph.D.</p> <ul style="list-style-type: none">- Exploration of trace and rare elements- Analysis of Geochemical Exploration data- Geochemistry of advanced sedimentary models in exploration- Environmental geochemistry of heavy minerals- Metallogeny, ophiolitic exploration and massive sulfide deposits

	<ul style="list-style-type: none"> - Exploration of radioactive deposits - Metallogeny in Time and location
Positions/ Experiences	<ul style="list-style-type: none"> - Cultural Manager of the ShahidBahonar University of Kerman. - Head of Technical and Engineering Library. - Head of Mining Engineering Department. - Head of Mining Exploration Committee. - Adviser Teacher of Mining Engineering Ph.D. Students. - Adviser Teacher of Mining Engineering B.Sc. Students. - Adviser Teacher of Mining Engineering M.Sc. Students.
Memberships	<ul style="list-style-type: none"> - The member of Iran Mining Engineering Organization (IRMEO) - The member of International Geochemical Society of America (GSA). - The member of Geological Society of Iran (GSI). - The member of Iranian Society of Mining Engineering (IRSME). - The member of Alumnus of ShahidBahonar University of Kerman (ASBUK). - The member of Energy & Environmental Engineering Research Center (EEER). - The member of Department Post Graduate Committee (DPGC). - The member of Department Educational Committee (DEC). - The member of Conference Committee (More than 20 cases).
Reviewer	<ul style="list-style-type: none"> - Geological Surveying of Iran (GSI). - Iranian Society of Mining Engineering (IRSME). - Iranian Society of Economic Geology (ISEG). - Iranian Society of Soil and Water (ISSW). - Iranian Society of Science and Water Source Engineering (ISSWE). - Iranian Advanced Applied Geology (IAAG). - Iranian Society of Crystallography and Mineralogy (ISCM). - Ecology Journal of Tehran University (EJTU). - Analytical and Numerical Methods in Mining Engineering - International Journal of Geochemical Exploration and Environment – Elsevier - Internatidonal Journal of Applied Geochemistry – Elsevier - International Journal of Environmental Earth Sciences - Elsevier - International Journal of Asian Earth Science - Elsevier - Journal of the Geological Society of India – Springer - International Journal of Mining & Geo-Engineering –University of Tehran - Journal of Tethys (ISC indexed) - International Journal of Environmental Research – University of Tehran
Recent research projects	<ul style="list-style-type: none"> ● Banisi, S., Shayestehfar, M. R., Iranmanesh, H., Behrooz, M., 2002. <i>Minimum sample weight for libration analysis of copper bearing, The Sarcheshmeh Copper Mine Case</i>, Kerman, Iran. ● Ranjbar, H and Shayestehfar, M. R., 2000. <i>Topographical and Geological Map of Harrino Copper Ore Area (North east Sarcheshmeh Copper Mine Company)</i>, Collaborated project between Chakrizeh Ore Company and ShahidBahonar University of Kerman, Iran. ● Shayestehfar, M.R., Mohammadi, M., 2008. <i>The Semi-Detailed Exploration, Evaluation and Economic Estimation of Six Chromite mine of Abdasht, Esphandagheh area, Kerman, Iran</i>, Collaborated project between ShahidBahonar University of Kerman and Ministry of Industries and Mine. ● Shayestehfar, M.R., Foruzanfar, F., 2008. <i>Detailed Geochemical Exploration of Rabor Stream Sediments to Estimate the Cu, Ag, As, Pb and Zn Anomalies: Kupferschiefer Type Deposit</i>, Collaborated project of ShahidBahonar University of Kerman and Ministry of Industries and Mine of Iran.

- Shayestehfar, M.R., Sarbishegi-Moghaddam, H., 2008. *Primary and Secondary Lithgeochemistry Studies to Determinate the Sarbisheh Metallic Indices Area*, ShahidBahonar University of Kerman, Kerman, Iran.
- Sahebi, H., Banisi, S., Shayestehfar, M. R., Shafiei, B., 2004. *The Study of Mineralogical Factors in Sarcheshmeh Porphyry Copper Deposit*, Sarcheshmeh Copper Mine Company P: 199-206. Kerman, Iran.
- Shayestehfar, M. R., Ranjbar, H., 2000. *Topographical and Geological Map of Baba ahmadi Copper Ore Area (North east Sarcheshmeh Copper Mine Company)*, Collaborated project between Chakrizeh Ore Company and ShahidBahonar University of Kerman, Iran.
- Shayestehfar, M. R., 2001. *Paragenesis, Petrogenesis and Petrogeochemistry (PGE & Trace Elements) of Chromite Mineralization, Ultramafic and Mafic complex, Soughan Region, Esphandageh, central Iran*. Collaborated project between The Ministry of Science, Research and Technology, Ministry of Industries and Mine and ShahidBahonar University of Kerman 2 : 1000 Scientific Project Vol. 1 & 2., Kerman, Iran.
- Shayestehfar, M. R. Kariminasab, S., Mohamadalizadeh, H., 2003. *The Study of Mineralogy and Chemistry to Oxidized rocks of Sarcheshmeh Copper Mine being used in heap leaching processes*, Sarcheshmeh Copper Mine Company, P: 103, Kerman, Iran.
- Shayestehfar, M. R., Poorkhak, F., 2003. *Paragenesis, Petrogenesis and Petrogeochemistry of Gol-e-Gohar Iron Ore Deposit (Anomaly 3)*, Collaborated project between the Gol-e-Gohar Mineral Complex and ShahidBahonar University of Kerman, P: 176, Kerman, Iran.
- Shayestehfar, M. R., Ghorbani, M., 2003. *Texture, Structure, and Geochemical Characteristics of Sulphide Minerals in Volcanic Massive Sulphide Mineralization of Ahmad-Abad and Shiekh-Ali (Southeast of Dolat-Abad, Kerman Province)*, Esphandagheh Chromite Company, P: 201, Kerman, Iran.
- Shayestehfar, M. R., Khoshdast, H., 2004. *The Study of Standards in Exploration of Coal and Ferro metallic Minerals*, Collaborated project between the Gol-e-Gohar Mineral Complex and ShahidBahonar University of Kerman, P: 245, Kerman, Iran.
- Shayestehfar, M. R., 2005. *Collection and Organization of the Exploration Data Bank of the Kerman Provinces*, Collaborated project between the Office of Industries and Mines and ShahidBahonar University of Kerman, Kerman Province.
- Shayestehfar, M. R., Tagvaei-nejad, M., 2008. *The Evaluation of Grade Fluctuation of Concentration Plant Feed in Sarcheshmeh Copper Mine Company*, Collaborated project between ShahidBahonar University of Kerman and Sarcheshmeh Copper Mine company, Kerman Iran.

- The projects of Iran Mining Engineering Organization (IRMEO)

Exploration design program:

- Exploration design of Chromite deposit of GelashchordPasafid (minab)- south of Kerman, 1:250000 Fariab, Kahnuj, Kerman, 2013.
- Exploration design of Copper deposit of Kore – sefid - south of Nyriz, 1:250000 Neyriz, Kerman, 2012.
- Exploration design of Iron deposit of Chargonbad - south of Syrjan, 1:250000 Syrjan, Kerman,

	<p>2011.</p> <ul style="list-style-type: none"> • Exploration design of Gold and Copper deposit of Nargesan, 1:250000 Syrjan, Kerman, 2011. • Exploration design of Iron deposit of Jabal-barez , 1:250000 Sabzevaran, Kerman, 2010. • Exploration design of Iron deposit of Hossei-abad - Kuhpayeh-1:250000 Kerman, Kerman, 2014. • Exploration design of Copper deposit of Palvar– Mahan, 1:250000 Kerman, Kerman, 2013. <p><u>Technical assistant program:</u></p> <ul style="list-style-type: none"> • Mining technical assistant of Mahmud-abad Meysam Copper ore deposit, Rafsanjan, 2010. • Mining technical assistant of Ekhtiar-abad Iron ore deposit, Kerman, 2012. • Mining technical assistant of Chahr-gonbad, Iron ore deposit, south of Rafsanjan, 2011. • Mining technical assistant of Simab Iron ore deposit, Rafsanjan, 2010. • Mining technical assistant of Ghal-e-ganj, Iron ore deposit, Kerman, 2011. • Mining technical assistant of Gelashchord Pasafid Chromite ore deposit, Fariab, Kahnuj, Kerman, 2014. • Mining technical assistant of Kuhpayeh Iron ore deposit, Rafsanjan, 2014. <p><u>Final operation report of exploration design:</u></p> <ul style="list-style-type: none"> • Final operation report of Ekhtiar-abad Kerman Iron ore exploration design
<p>Workshops</p>	<ul style="list-style-type: none"> - Geochemistry workshop training and applications, 1989, University of Poona, Puna-1, India. - Database, numerical methods and computer applications in modern approach to petrology, 1993, University of Delhi, Delhi-7, India. - National Institute of Computer Education (<i>NICE</i>), 1993, Delhi-7, India. - Methodology and Applications of <u>A</u>tomical <u>A</u>bsorption Spectrometer (<i>AAS</i>), 1993, New Delhi, Delhi-7, India. - National Institute of Indian Technology (<i>NIIT</i>), 1994, Delhi-7, India. - Teaching methodology and familiarity to questions pattern of the Examinations, 1997, Shahid Bahonar University of Kerman, Kerman, Iran. - Teaching methodology and familiarity to questions pattern of the Examinations, 1998, Shahid Bahonar University of Kerman, Kerman, Iran. - The application of <i>SPSS</i> software in research and technology, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - The application of <i>MINITAB</i> software in research and technology, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - General Management Training and University qualifications, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - Consultation Training and Guidance, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - Research Methodology in Basic Science and Technical Engineering, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - Introduction to education, research and administrative rules, related to academicians members, 2002, Shahid Bahonar University of Kerman, Kerman, Iran. - Familiarity to Internet, 2003, Shahid Bahonar University of Kerman, Kerman, Iran. - Mining and Environmental Engineering, 2004, Shahid Bahonar University of Kerman, Kerman, Iran.

	<p>- Consultation Training with University Student, 2004, ShahidBahonar University of Kerman, Kerman, Iran.</p> <p>- continued..... !!!!!</p>
<p>Advised thesis</p>	<p>- Mohammad Mohammadi, <i>Detailed exploration, Techno-Economical study and reserve estimation of Abdasht mine six chromite deposits, Esphandagheh</i>, Supervisor: MohammadrezaShayestehfar, 2008.</p> <p>- Mahmoud Shamsaddininejad, <i>Darulo tailing dam site selection using Geographical Information System (GIS)</i>. Supervisor: HojjattollahRanjbar, MohammadrezaShayestehfar, Advisor: Abbas Sam, Mahmoud Alipour, 2012.</p> <p>- Mehdi Nemati, <i>Data interpretation of groundwater hydrogeochemistry of Gol-e-Gohar Iron ore area No.1 with the use of multivariate statistical methods</i>, Supervisor: MohammadrezaShayestehfar, 2011.</p> <p>- RazeghehAkhbarizadeh, <i>Determination of Sarcheshmeh copper mines waste pollution and competitive removal of Cu^{++}, Ni^{++}, Mn^{++}, Cd^{++} and Cr^{+4} from it, by maghemite nanoparticles ($\gamma-Fe_2O_3$)</i>. Supervisor: MohammadrezaShayestehfar, Advisor: EsmaeelDarezereshki, 2012.</p> <p>- HamidrezaIranmanesh, <i>Effect of liberation degree, type and texture of copper bearing minerals on flotation process at the Sarcheshmeh copper mine</i>, Supervisors: SamadBanisi, MohammadrezaShayestehfar, Advisor: Minu, Behrouz, 2002.</p> <p>- MojtabaTaghvaeenejad, <i>Evaluation of grade variation and sampling optimization of concentrating plant feed of Sarcheshmeh copper plant</i>, Supervisor: MohammadrezaShayestehfar, Advisor: MohammadrezaKaregar-Dianati, 2008.</p> <p>- MohammadhosseinNiknami, <i>Geological, Geochemical and remote sensing data processing in 1:100000 Gazik Sheet and the integration of them by using GIS for the detection of the promising areas</i>, Supervisor: MohammadrezaShayestehfar, 2011.</p> <p>- SomayehFattahiCheshmehsefidi, <i>Integration of geochemical, geological and remote sensing data using Fuzzy Logic for Recognition of the areas with mineral potential in Delijan area (Esphahan Province)</i>, Supervisor: MohammadrezaShayestehfar, Advisor: HojjattollahRanjbar, 2013.</p> <p>- Hassan Sahebi, <i>Identification and processing of various copper ore types at the Sarcheshmeh copper complex</i>, Supervisor: SamadBanisi, MohammadrezaShayestehfar, Advisor: BehnamShafiei, MohssinPourkani, MohammadrezaKaregar-Diyanati, 2004.</p> <p>- MahdiehFattahiKorom, <i>Investigation of environmental impacts of acid mine drainage (AMD) on ground water in Hamkar coal mine region and coal washery factory in Kerman province</i>, Supervisor: MohammadrezaShayestehfar, Advisor: GholamrezaKamali, 2013.</p> <p>- AlirezaParpae, <i>Investigation of slim-hole drilling and determination of its advantages and how it effects the environment</i>. Supervisor: MohammadrezaShayestehfar, Advisor: HosseinJalalifar, 2011</p> <p>- ElaheNejadhossin, <i>Interpretation and analysis of ASTER data with the use of airborne geophysics for the exploration of copper mineralization of Hamedian and Kang 1:50000 Topographic Sheet with the use of Fuzzy method</i>. Supervisors: HojjattollahRanjbar, MohammadrezaShayestehfar, 2004.</p>

- Mohsen Bagheri, *Modeling and data processing of geological, geochemical, geophysical and remote sensing data by using GIS for the detection of the promising areas in 1:100000 Mahalat sheet*. Supervisor: MohammadrezaShayestehfar, Advisor: HojjattollahRanjbar, 2013.
- MohammadHossinDehghani, *Multivariate statistical analysis of geochemical data of stream sediment for determination of promising area in the 1:100000 Sarbishe Sheet*, Supervisor: MohammadrezaShayestehfar, 2009
- MohammadrezaMoghbeli, *Modeling and ore evaluation of Kerver copper mine in Anbar-abad area, Kahnuj, Kerman*. Supervisor: ShahramShafiei Advisor: MohammadrezaShayestehfar, 2014
- PeymanTaherinejad, *Ore evaluation and building block model of Sarcheshmeh copper mine with the use of new and old boreholes and exploration holes using geo-statistical methods*, Supervisor: MohammadrezaShayestehfar, Advisor: Saeed Kariminasab, in progress.
- Saeed Moradi, *Ore estimating modeling using innovating geo-statistical techniques and the technical and economic evaluation of Arya-Jonub oxide ore zone*, Supervisor: MohammadrezaShayestehfar, Advisor: Saeed Kariminasab, in progress.
- FarzadAsadi, *Pollution assessment and environmental impact of coal washeryZarand region underground water by using geo-electric method in GIS environment*, Supervisors: MohammadrezaShayestehfar, GholamrezaKamali, Advisor: HojjattollahRanjbar, 2013
- FatemehForouzanfar, *Preliminary exploration of sedimentary copper-silver deposits in the Ravar region, Kerman Province using GIS*, Supervisors: MohammadrezaShayestehfar, JamshidShahabpour, 2008
- VahideBarani, *Rate effect determination of the mineralogy on the molybdenum recovery deviation in Sarcheshmeh concentrate plant 1 and 2*. Supervisor: MohammadrezaShayestehfar, Advisors: Majid Behjat Jabari, Hassan Sharifian, 2011
- HamedFathipour, *Reservoir characterization using seismic and petrophysical data at Asmari Formation of Hendijan Oilfield*, Supervisors: MohammadrezaShayestehfar, Mohammad Ali riyahi, Advisor: HojjattollahRanjbar, 2011
- MohammadrezaMohammadhashemi, *The use of geological, Airborne gravity, Airborne magnetic and Satellite data in oil exploration by using GIS, a case study of northern Bandar-Abbas*. Supervisors: HojjattollahRanjbar, MohammadrezaShayestehfar, 2007
- Ali Yazdi, *The Investigation of geochemical characteristic of Vanadium, Titanium and rare earth elements in the ore body number 1 of Gole-gohar*. Supervisor: MohammadrezaShayestehfar, 2004
- NedaAbbasi, *The groundwater hydrogeochemical classification of Choghart iron ore deposit area*. Supervisor: MohammadrezaShayestehfar, SeyedHosseinMojtahedzadeh, 2010.
- Ali Yazdi, *The study of geochemical characteristics of Major, Minor, Trace and Rare earth element (REE) distribution in Choghart iron ore*. Supervisor: MohammadrezaShayestehfar, 2004.
- HosseinSarbishegimoghadam, *The univariate and multivariate statistical studies for detection of metal anomalies in the 1:100000 Dolat-Abad Sheet*. Supervisor: MohammadrezaShayestehfar, 2008.

	<p>- Mehdi Ghorbani., <i>Textural, structural and geochemical characteristics of volcanogenic massive sulfide mineralization of Shikh-ali and Ahmad-abad (Southwest of Dolat-abad, Baft)</i>. Supervisor: MohammadrezaShayestehfar, Advisor: Hamid Ahmadipour, 2002.</p>
<p>Books</p>	<p>- Shayestehfar, M. R., 2011, <i>The Principles of Applied and General Geology</i>, ShahidBahonar University of Kerman, Setayesh Publication Institute, Pages: 328</p> <p>- Shayestehfar, M.R., Zomorodian, M.,Zandieh, F., <i>Principles of applied geochemistry</i>, in final stage.</p> <p>- Shayestehfar, M. R., Shokouhi, M., Rahmatollahi, N., <i>Fuzzy-logic in geology</i>, Translated Book, under review.</p> <p>- Shayestehfar, M. R., Zandieh, F., <i>Geochemical anomaly and mineral prospectivity mapping in GIS</i>, Translated Book, in final stage.</p>
<p>Journal publications</p>	<ul style="list-style-type: none"> ● Akhbarizadeh,R.,Shayestehfar,M. R.,Darezereshki, E., 2013,Competitive Removal of Metals from Wastewater by Maghemite Nanoparticles: A Comparison between Simulated Wastewater and AMD,<u>Mine Water Environment Journal, Springer</u>, 33, 89-96 ● Banisi, S., Iranmanesh, H., Shayestehfar, M. R., Shekarchian, H., 2004. Minimum sampleweight for libration analysis of copper bearing the Sarcheshmeh Copper Mine Case, <u>Scientific Quarterly Journal of Geoscience</u>, Ministry of Industries and Mines, Geological Survey of Iran. Vol.12, No. 54, Winter 2004. Tehran, Iran. ● Hayaty, M., TavakoliMohammadi, M. R., Rezaei, A., Shayestehfar, M. R., 2013 Risk Assessment and Ranking of Metals Using FDAHP and TOPSIS, <u>Mine water environment journal, Springer</u> ● Shayestehfar, M. R. Kariminasab, S., Mohamadalizadeh, H., 2007. Mineralogy, Petrology and Chemistry Studies to Evaluate Oxide Copper Ores for Heap Leaching in Sarcheshmeh Copper Ore, Kerman, Iran, <u>International Journal of Hazardous Material</u>, Vol. 154/1-3, p: 602-612, ● Rezaei, A., Shayestehfar, M. R.,Hassani, H., 2014, Study of heavy metals distribution and their grading by SAW method: A case studyin Sarcheshmeh copper mine, Kerman, Iran, <u>Environmental Earth Sciences</u>. ● Shayestehfar, M. R., Roonwal, G. S., 1996. Ore paragenesis of new finds of massive sulfides on the southern East Pacific Rise (EPR), betⁿ., 7^o- 27^o S. <u>Theophrastus Publication "Contribution to advance study in geology"</u>. Vol; 1, p: 249-268, Greece. ● Jorjani, E., AsadollahiPoorali, H., Sam, A., ChehrehChelgari b. S., Mesroghli, Sh., Shayestehfar, M.R., Prediction of coal response to froth flotation based on coal analysis using regression and artificial neural network, <u>Minerals Engineering</u> 22 (2009) 970–976 ● Shayestehfar, M. R., Karimizadeh, S., 2003. The Exploration Investigation and Ore Evaluation of Semnan Zeolite, <u>Journal of Engineering, University of Mazandaran</u>, Winter 2000, Vol.1, No. 2, P: 67-76, Semnan, Iran. ● Shayestehfar, M.R., Rasa, I., 2006. Multivariate Data Analysis of QanatMarvan Lead and Zinc deposit, Kerman, <u>Scientific- Research Quarterly Journal of Geoscience</u>, Ministry of Industries

and Mines, Geological Survey of Iran, Iran, Winter 83, Twelfth years, No. 54. P: 134-145. Tehran, Iran.

- Shayestehfar, M. R., Banisi, S. Izadi, M., 2006. Microscopical Study of Coals from some Kerman Mines, **Scientific- Research Quarterly Journal of Geoscience**, Ministry of Industries and Mines, , Geological Survey of Iran, Tehran, Iran, in press, No. 62 (16), 38- 42.
- Shayestehfar, M. R. Kariminasab, S., Mohamadizadeh, H., 2007. Mineralogy, Petrology and Chemistry Studies to Evaluate Oxide Copper Ores for Heap Leaching in Sarcheshmeh Copper Mine, Kerman, Iran, **International Journal of Hazardous Material**, Vol. 154/1-3, p:602-612.
- Shayestehfar, M. R., Roonwal, G. S., 1996. Oreparagenesis of new finds of massive sulfides on the southern East Pacific Rise (EPR), betⁿ., 7°- 27° S. **Theophrastus Publication “Contribution to advance study in geology**. Vol; 1, p: 249-268.
- Shayestehfar, M. R., Taghvaeinejad, M., Rezaei, A., Tavakoli Mohammadi, M. R., 2014, Evaluation of the grade deviation of a concentrator plant feed using statistics and geostatistics methods, **Journal of the Institution of Engineers**, Accepted, under publication.
- Shayestehfar, M. R., Zandi, F., 2014, Geochemical mapping and statistical analysis of the Bafq region, Iran: Implication for the Mineral exploration **Geosciences Journal**, Elsevier Science, under review.
- Rezaei, A., Hezarkhani, A., Shayestehfar, M. R., 2014, Using TOPSIS approaches for assessment and grading of the heavy metals risk: A case study in Sarcheshmeh copper mine, Kerman, Iran, **Journal of geochemical exploration**. under review.
- Abbasi, N., Shayestehfar, M. R., Mojtahedzadeh, S. H., 2011. *The Investigation of the* effective factors on the groundwater hydrogeochemistry of Choghart Mine Area by Hierarchical Analysis Method, **The Journal of Science and Water Engineering**, In press
- Nemati, M., Shayestehfar, M. R., 2011. Data Interpretation of Groundwaters Hydrogeochemistry of Gol-e-gohar Iron Ore Area 1 with the Use of Multivariate Statistical Methods, **The International Journal of Chemi der Erde**, In Press.
- Shayestehfar, M. R., Jallali, M., Taghvaeinejad, M., 2009. The evaluation of mineralization potential using Factor analysis of stream geochemical data in 1:100000 Sarbisheh Sheet, **Numerical and statistical methods**, Ministry of Industries and Mines, Scientific- Research Quarterly Journal Yazd University, Iran, Vol. 1 (1), 9-17
- Shayestehfar, M. R., Rezaei, A., 2010. The study of environmental behavior and the heavy metals distribution in the soils of the Sarcheshmeh copper mine area of Kerman, **Scientific-Research Quarterly Journal of Geology and Environment** (Islamshahr),
- Shayestehfar, M. R., Rezaei, A., 2010. The evaluation of contamination rate and the heavy metals distribution in the sediments of the Tailing dam of the Sarcheshmeh Copper Mine with the help of geochemical data, **Scientific-Research Quarterly Journal of Iranian Society of Mining Engineering (IRSME)**, Vol. 6 (11), 11-20.
- Shayestehfar, M. R., Zomorodian, M., Rezaei, A., 2010. The multivariate statistical analysis of geochemical data to determine the chromitesgenetical model of Soughanregion, Esphandoghe Kerman, Iran, **Scientific- Research Quarterly Journal of Earth Science**, Ministry of Industries

	<p>and Mines, Geological Survey of Iran, Tehran, Iran, Accepted.</p> <ul style="list-style-type: none"> ● Shayestehfar, M. R., Mohammadi, M., Rezaei, A., Ranjbar, H., 2010. Chromite exploration by the use of the air born magnetic data analysis of 1: 50000 Abdasht, Esphandoghe Kerman, <u>Scientific- Research Quarterly Journal of Earth Science</u>, Ministry of Industries and Mines, Geological Survey of Iran, Tehran, Iran, Accepted. ● Shayestehfar, M. R., Mohammadi, M., Rezaei, A., 2011. Modeling, ore evaluation and primery design of the chromite ore, mine six, Abdasht, Esphandoghe Kerman, Iran, <u>Scientific- Research Quarterly Journal of Geoscience, Journal of Economic geology</u>, Mashhad, Iran, Vol. 3 (1), 27-38. ● Shayestehfar, M. R., Rezaei, A., 2010. Investigation of environmental behavior to study the distribution of As and Se elements in the Sarcheshmeh Copper Mine restricted area, Kerman, <u>Scientific- Research Quarterly Journal of Geoscience, Science of water and soil</u>, Mashhad, Iran, In press. ● Taghvaeenejad, M., Shayestehfar, M. R., Jalali, M., Kargar- Dianati, M. R., 2010. Utilizing the statistical and geostatistical implement in evaluation of grade deviation of concentrating plant feed of Sarcheshmeh copper Plant, <u>Scientific-Research Quarterly Journal of Iranian Society of Mining Engineering (IRSME)</u>, Tehran, Iran, Vol. 4 (8), 56-59.
<p>Conference proceedings</p>	<ul style="list-style-type: none"> ● Akhbarizadeh, R., Shayestehfar, M. R., Darezereshki, E., 2013, Competitive Removal of Metals from Wastewater by Maghemite Nanoparticles: A Comparison between Simulated Wastewater and AMD, <u>Mine Water Environment Journal, Springer</u>, 33, 89-96 ● Banisi, S., Iranmanesh, H., Shayestehfar, M. R., Shekarchian, H., 2002. <i>Mineralogical Tracing of Mineralogical results. The Sarcheshmeh Copper Mine Case</i>. 35th Annual Meeting of the Canadian Mineral Processing. Ottawa, Canada. ● Banisi, S., Shayestehfar, M. R., Iranmanesh, H., 2002. <i>Mineralogical Tracing of Mineralogical results. The Sarcheshmeh Copper Mine Case</i>. Scientific News Publications (Kavak) of Mining Engineering Associations, winter 2002, ShahidBahonar University of Kerman. Iran. ● Fathipour, H., Ryahi, M., Shayestehfar, M. R., 2008. <i>The Estimation of Horizontal Porosity of Asmari Reservoir with the help of Seismic Data in one of the Khalije-Fars Oil Field, Iran</i>, Proceeding of the Third Iranian Conference on Exploration Geophysics, National Iranian Geophysical Study (NIGS), P: 7-12, Tehran, Iran. ● Ghorbani, M., Shayestehfar, M. R., Ahmadipoor, H., 2002. <i>Genetic Texture of Sulphide Minerals in Volcanic Massive Sulphide Mineralization of Ahmad-Abad and Shiekh-Ali (Southeast of Dolat-Abad, Kerman Province)</i>, 21st Symposium on Earth Science, Ministry of Industries and Mines, Geological Survey of Iran. p: 489-491, Tehran, Iran. ● Ghorbani, M., Shayestehfar, M. R., Ahmadipoor, H., 2003. <i>Genesis and Eruption Environment of Colored mélange Basalt of Shaikh-Ali (Northeast Dolat-Abad, Baft)</i>, 22nd Symposium on Earth Science, Ministry of Industries and Mines, Geological Survey of Iran. p: 325-424. Tehran, Iran. ● Ghorbani, M., Shayestehfar, M. R., Turchi, M., 2002. <i>Study of Texture and Structure of Soughan Chromate Mine, Esphandagheh(Texture and Structure Model)</i>, Scientific News Publications of Earth Science Association, (GooieFalak), ShahidBahonar University of Kerman, (Fourthly Years, No. 8), p: 16-23, Kerman. Iran.

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