Mohammad-Reza Azad
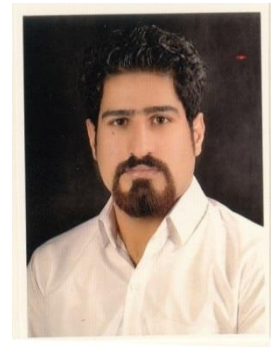Last Update: 09/17/2017

Fist name: Mohammad-Reza

Last name: Azad

Date of Birth: September 3, 1987.

Nationality: Iranian

Languages: Persian, English

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Work Place: Gaen Cement Factory

Job: Mine Manager

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Education:

2015-Now	PHD. Candidate of "Mining Exploration Engineering", Shahrood University of Technology, Shahrood, Iran. **Thesis Title:** Two-dimensional Upscaling of Reservoir's data using kernel functions.
2009-2011	M. Sc., "Mining Exploration Engineering", Shahrood University of Technology, Shahrood, Iran. *Thesis Title*: Application of Factorial Kriging Analysis in Interpretation of Potential Field Data.
2005-2009	B. Sc. "Mining Exploration Engineering", Yazd University, Yazd, Iran. *Thesis Title*: Comparing of SEDEX and VHMS Massive sulfide Deposits With by Case Study of Pb-Zn Deposit, kushk. Iran.

Job Experiences:

2013-2014   Geophysical Consultant of Gohar Rood Gilan Co.
2014-Present   Gaen Cement Factory, Gaen, Iran: Mine Manager.

Courses:
- Certificate of pollution problems in the mineral industry by Prof.Dr. Fathi Habashi from Shahrood University of technology.
- Certificate of recent advances in hydrometallurgy by Prof.Dr. Fathi Habashi from Shahrood University of technology.

Publications:
Published

1. **Azad**. M., Koneshloo. M and Kamkar Ruhani, A, 2015, Comparison of factorial kriging analysis method and upward continuation filter to recognize subsurface structures – A case study gravity data from a hydrocarbon field in southeast of Vietnam, Acta Geophysics, Vol. 64, no. 2, 398-416 pp.

2. **Mohammadreza Azad**, Application of Upward Continuation Filter in interpretation of Magnetic Data with determination of Optimum Height Continuation, Mansoorabad Area of Yazd, Iran, Journal of Earth and Space Physics, 2015

3. Seyed Mohammad Esmaiel Jalali, Ali Azad, Mehdi Noroozi, Farroukh Forouhandeh**, Mohammad Reza Azad**, Optimization of Access Routes in Takht Coal Mine for Minimizing Environmental Damages, Journal of Civil and Environmental Engineering, Volume 44, Issue 2, 2014.

4. **Mohammad Reza Azad** and Ali Azad, Process of cement production in Gaen Cement Factory, 3rd International Conference and Exhibition on Cement Industry, Energy and Environment (CIEE), University of Tehran, 2014.

5. **Mohammad Reza Azad** and Ali Azad, Statistical Analysis of Accidents of Razi Coal Mine, 2nd Iranian Coal Congress, University of Shahrood, Iran, 2014.

6. **Mohammad Reza Azad** and Ali Azad, Ranking Accidents in Takht Coal Mine by RPN Method, 1st International Confernce of HSE in Civil, Mine, Petroleum and Gas Projects, University of Shahid Beheshti, Tehran, Iran, 2014.

7. **Mohammad Reza Azad** and Ali Azad, Statistical Analysis of Accidents of Tazare Coal Mine, 1st International Confernce of HSE in Civil, Mine, Petroleum and Gas Projects, University of Shahid Beheshti, Tehran, Iran, 2014.

8. **Mohammad Reza Azad** and Ali Azad, Risk Management and Assessment of Occupational Accidents in Razi Mine, Eastern Alborz Company, 1st International Confernce of HSE in Civil, Mine, Petroleum and Gas Projects, University of Shahid Beheshti, Tehran, Iran, 2014.

9. Mohammad zamani ahmad mahmodi, Ali Azad, **Mohammad Reza Azad**, Mohammad Attaei, Design, Support and Removal of Possible Failures in Underground Ore Passes,

9th Iranian Student Mining Engineering Conference University of Birjand,29-31Oct. 2013.

10. **Mohammadreza Azad**, Mohammad koneshloo, Ali azad, Exploration prospecting to use of Kaolin deposits, 1st National Conference on Exploration Engineering of Underground Resources, university of Shahrood, Iran, 2013.

11. Meghdad elmii, Ali nejati kalate, **Mohammadreza Azad**, Geological structures studies of Soork dam by using seismic tomography, 1st National Conference on Exploration Engineering of Underground Resources, university of Shahrood, Iran, 2013.

12. **Mohammadreza Azad**, Mohammad koneshloo and Abolghasem Kamkar Rouhani, Using the factorial Kriging analysis to filter spatial structures in gravity data acquired from Faryab chromite mine area, Journal of Earth and Space Physics, Volume 39, Issue 6, 2013.

13. **Mohammadreza Azad** and Behzad Tokhmechi, Determination of Iron deposit's target reserves using magnetometric data, 3rd of Symposium of economical Geology of Iran, University of Shahid Chamran, Ahvaz, Iran, 2012.

14. **Mohammad Reza Azad** and Ali Azad, Comparing of SEDEX and VHMS Masivesulfide Deposits With by Case Study of Pb-Zn Deposit, kushk. Iran, 6th Iranian Student Mining Engineering Conference University of Tehran, 2011.

15. **Mohammad Reza Azad** and Ali Azad, Sensitivity Analysis of Sampling Grid Points for improving the FKA result in Separation of Spatial Structures in Exploration Data, 6th Iranian Student Mining Engineering Conference University of Tehran, 2011.

16. **Mohammadreza Azad**, Mohammad koneshloo, Abolghasem Kamkar Rouhani and Ali Azad, Application of Factorial Kriging Anlysis for Separation of Space Structures,29th Symposium of Earth Science, University of Tehran, Iran, 2011.

In Print / revision:

1. **Mohammadreza Azad**, Mohammad koneshloo and Abolghasem Kamkar Rouhani, Application of Factorial Kriging Analysis for separation of spatial structures and compression with upward continuation filters, **Arabian Journal**, 2015(under review).

2. **Mohammadreza Azad** and Ahmad Golbahari, Study of geology, petrography and mineral explorations joint number one Limestone Cement Ghaen, Journal of Analytical & Numerical Methods in Mining Enginerring, 2015 (under review).

3. Mohammad Koneshloo and **Mohammad Reza Azad**, Magnetic data interpretation for recognition subsurface structures and estimating magnetic sources depth, Mansoorabad, Yazd, Iran, Journal of Mine Engineering, Iran, 2015 (under review).

Affiliations:
- Member of Iranian Mining Engineering Association since 2011.
- Member of the IRSME (Iranian Society of Mining Engineering).

Computer Skills:
Geosoft, Envi, Surpac, SGeMS, GSLIB, Matlab, Surfer, Magpic, Model Vision, Mag2D, Grav2D, Microsoft Office Software.

Research Interests:
- Interpretation of Potential Data (Magnetic, Gravity)
- Geostatistics (Estimation, Data Analysis)
- Factorial Kriging Analysis
- Cement Industry
- Geophysics Methods
- Industrial Minerals
- Geochemistry Methods
- Management and Assessment of Risk in Mining