



## PERSONAL INFORMATION

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Nationality	<b>Iran</b>
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Date of birth	<b>27/12/1990</b>
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## Education and training

	<b>B.Sc</b>
• Date (from – to)	<b>2009-2014</b>
• Name and type of organization providing education and training	<b>Iran University of science and technology</b>
Duration of the program of study	<b>10 semesters</b>
• Principal subjects/occupational skills covered	<b>Mining engineering</b>
• Title of qualification awarded	<b>Mine exploring</b>
Final mark obtained	<b>13.82 / 20</b>

	<b>M.Sc</b>
• Date (from – to)	<b>2014-2017</b>
• Name and type of organization providing education and training	<b>School of Mining, College of Engineering, University of Tehran</b>
Duration of the program of study	<b>5 semesters</b>
• Principal subjects/occupational skills covered	<b>Mining engineering</b>
• Title of qualification awarded	<b>Environmental Mining</b>
Final mark obtained	<b>17.04 / 20</b>

## graduation thesis

M.SC	
Title	<b>Evaluation of the dispersivity coefficient of porous media by laboratory image analysis and mathematical modeling</b>
Language	<b>Persian</b>
Supervisor	<b>Prof Faramarz Doulati Ardejani</b>
grade	<b>20 / 20</b>
Thesis Summary	<p>The aim of this work was to determine dispersivities coefficients in a laboratory porous medium using image processing and numerical modeling. The phenomenon of transport in porous media was studied using sodium fluorescein tracer. The fluorescent excitation was achieved using blue light. A semi-professional color camera was used for the photographic purpose. Using blue Led to constant background value in pictures. Background value eliminated in Image Processing and noises eliminated. Using different concentrations allowed to estimate the relationship between the luminosity of emitted fluorescence and fluorescein concentration of uranine tracer was determined at a specific point in the sandbox. Breakthrough curves were evaluated for injected and outlet points to calculate average flow velocity through the sandbox. The dispersivities inlet estimated using N_IDE codes which written in MATLAB to solve <math>431 \times 116</math> pixel information during 550 time_steps.using 3 equations 3 unknown values estimated, longitudinal and transverse dispersivities coefficients and average velocity. Using the calculated values a 2-D numerical model created in MODFLOW to reproduce spatial concentration. The hydraulic conductivity of the medium was finally estimated equal to <math>0.412 \times 10^{-4}</math> m/s apply darcy laws and by measuring constant heads of upstream and downstream of the sandbox. The estimated longitudinal, transverse dispersivity and velocity were 0.0032 m/s, 0.007 m and 0.005m, respectively</p>

B.Sc	
Title	<b>Determination of host rock, mineralogy, and geochemistry of iron ore in Markazi province</b>
Language	<b>Persian</b>
Supervisor	<b>Ph.D. Feridon Ghadimi</b>
grade	<b>19 / 20</b>

<b>publications and articles submitted</b>	
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Author(s) and title	<b>Pegah Javadisharif, Parnian Javadisharif, Mohammad GHomi, "importance of mine reclamation during and post-mining, problems and challenges in Iran"</b>
Language	<b>Persian</b>
Publication place	<b>International star mine development and mining industry congress, Tehran, Iran,</b>
Date of publication	<b>Oct 2015</b>

Author(s) and title	<b>Parnian Javadisharif, Faramarz Doulati Ardejani, Ali Rajaei, "determining</b>
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	hydraulic conductivity using image processing and dye tracers in porous media”
Language	Persian
Publication place	4th international mine and mining industries congress and 6th Iranian mining engineering conference, Tehran, Iran
Date of publication	Nov 2016

Author(s) and title	Parnian Javadisharif, Faramarz Doulati Ardejani, Ali Rajaee, “determining hydraulic conductivity using image processing and two dye tracers uranine and permanganate in porous media”
Language	Persian
Publication place	International conference on engineering and information technology, Dubai, UAE
Date of publication	May 2017

Author(s) and title	Parnian Javadisharif, Faramarz Doulati Ardejani, “estimating resident mass using image processing and dye tracers in porous media”
Language	Persian
Publication place	2nd international conference on modern approach in science, technology and engineering, Paris, France
Date of publication	July 2017

Author(s) and title	Parnian Javadisharif, Faramarz Doulati Ardejani, “Evaluation of the dispersivity coefficients of porous media by laboratory image analysis and mathematical modeling”
Language	English
Publication place	under-review paper
Date of publication	under-review paper

### **Work experience, stages, studies abroad**

• Date (from – to)	2016-2017
• Name and address of firm/university	Mehr lab, School of Mining, College of Engineering, University of Tehran, Iran
• Type of business or sector	researcher
• Type of employment	membership
• Main activities and responsibilities	As a member of mine environment and hydrogeology research lab, we work on a national project “coal EIA in Iran”

• Date (from – to)	2014-2017
• Name and address of firm/university	markazi mining engineering organization
• Type of business or sector	Member, supervisor

• Type of employment	<b>membership</b>
• Main activities and responsibilities	<b>As a mining engineering, I am a supervisor in mines to report how they work to the government that if they do illegal stop them.</b>

• Date (from – to)	<b>May 2013-June 2013</b>
• Name and address of firm/university	<b>quarry mine, Arak, Iran</b>
• Type of business or sector	
• Type of employment	<b>Internship</b>
• Main activities and responsibilities	<b>As our supervisor asked me, I have to check the plans and point on the field and boreholes with GPS.</b>

• Date (from – to)	<b>May 2014-June 2014</b>
• Name and address of firm/university	<b>archive, the ministry of industry, mine, and trade</b>
• Type of business or sector	
• Type of employment	<b>Internship</b>
• Main activities and responsibilities	<b>During the period, I attend to the group who read all documentaries about different kind of mines, to check their reports and classified documentaries according to the type of mine and the way they export minerals.</b>

**Personal skills and competencies**

Mother tongue

**Persian**

ENGLISH

**IELTS band score 6**

Social skills and competencies

**As a master of science student, I was studying at the University of Tehran, then I lived in the dormitory of the university which called 'Kooye Daneshgah' for two and half of a year.**

**In our room, I lived with another master student of the university who studied different major and from different cultures of my country, so I learned a huge amount of information and ability which improve my social skills.**

**A presenter in 4th international mine and mining industries congress and 6th Iranian mining engineering conference, Tehran, Iran**

Technical skills and competencies

**MATLAB, GIS, V.modflow, Phoenics, GEO-slope are some of the software I can work and run them.**

Founder

**To increase the place of hard-tech in start-ups we stablished MINEDEA in the University of Tehran to collect an improve ideas in mining industries from students and utilize them for the industry.**

Participated

**In Paresh start-up with an idea of MINING\_CLINIC**