Mostafa Ramezani

🦁 **Birth 28 July 1990**

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Career records

- **Environmental Engineer** @ Compressive sustainable development program of Pars Oil and Gas Company. Tehran Str. Fatemi POGC headquarter building. contact information: Ramezani@POGC.ir (August 2017 – Current date)
- Part-time: **programmer and Blockchain researcher**. **Head of editorial board** @ MADPA Co. (2018 March – Current date)
- ArcGIS developer @ MainaMax Company Tehran Iranian national railways headquarter. (2016 August – 2017 April)
- Civil engineering and open channel structural design expert @ Daneshvar private firm. (2010 – 2012)

Scientific and educational records

Education:

Degree	Discipline	Focus	Institute	GPA	Start	End	Thesis
M.Sc.	Environmental & Water Resources Engineering	Numerical modeling	**University of Tehran** 1st ranked in Iran	18.32 out of 20.00	Sep. 2014	Sep. 2016	Yes**
B.Eng.	Civil engineering	Computational modelling	University of Arak	14.61 out of 20.00	Sep. 2009	Jun. 2013	Yes*
	** *Development One-Dimensional Numerical Model to Simulate Water Quality and Analysis of Different LDCs Effects on Results.*						

> ** Simulation of consumed Energy by HVAC systems in a building located in Tehran and comparative study on impacts of orientation and windows sizes on energy consumption.*

Professional skills

Water resources management + reservoir and lakes water quality planning + hydrology + water cycle + water biologic parameters + treatment + Numerical Analysis + water sys optimization + uncertainty + point, nonpoint and distributed pollution sources simulation + nitrifications + Stratification + longitudinal dispersion coefficient + system dynamics + eutrophication + feasibility study.

Future studies

1. *Employing the world changing revolutionary Blockchain technology in solving water resources management.*
2. *Game theory.*
3. *Climate change.*

Computer Skills

1. *Wide and comprehensive list of general engineering and Civil and Water engineering tools: fluent, ArcGIS, SPSS, MikeZero, SWAT, Q2K, HecHMS, HecRAS, AutoCAD, Office, MS Project, R, ETABS, SAFE, SAP2000, Global mapper, endnote, vensim, WASP… .*
2. *Programming @ Java, Kotlin, Python, MATLAB, EXCEL, GO.*
3. *General: ADOBE collection, WordPress, Draw.io….*

Communication skills

1. *Fluent English speaker, have work experience with foreign contractor in Oil and railway industry. TOEFL iBT score: 92/120.*
2. *4086xp scored @ Duolingo app in Deutsch course (moderate reading and listening skill in German but little or no ability in productive skills.)*
3. *Native Persian and Arabic speaker.*

Publications

1. *One-dimensional Transport Simulation of Pollutants in Natural Streams. Ramezani, M., Karami, M. and Sarang, A. (2016) One-dimensional Transport Simulation of Pollutants in Natural Streams. Ambient Science 03(2), 6*

2. *(08-Apr-2018) Manuscript title: Numerical modeling-based comparison of longitudinal dispersion coefficient formulas for solute transport in natural rivers*
   Author(s): Ramezani, Mostafa; Noori, Roohollah; Hooshyarypor, Farhad; Deng, Zhi-Qiang; Sarang, Amin.

3. *Genetic algorithm to predict the longitudinal dispersion coefficient in natural rivers. Ghiasi, B., Sarang, A., Shaikhian, H., Ramezani, M. and Noori, R. Toronto, Canada. Proceedings of The IRES 22nd International Conference, Toronto, Canada, 1st January 2016, ISBN: 978-93-85832-86-4).*

4. *Simulation of Energy Consumption by HVAC systems in a building located in Tehran and comparative study on impacts of orientation and windows sizes on energy consumption. (January 2015, ETEC 4th international conference, Iran.)*

5. *Determine the Relationship between TDS and EC Parameters and Factors Affecting this Relationship. (Case Study: Karkheh and Qarachay River) (May 2015, 10th international civil engineering congress, Iran.)*

6. *Evaluation of different methods and parameters affecting the choice of incineration with energy production approach. (May 2015, first Environment science, engineering and technologies conference, Iran.)*

7. *Cooperation in organization and active participation in the second international conference and exhibition on solar energy (ICESE-2015), University of Tehran, Iran. (30 – 31 August 2015, by A. Alkan and A. R. Noorpoor.)*

8. *Cooperation in organization and active participation in the seventh national conference and exhibition on Environment Engineering, University of Tehran, Iran. (6 – 10 December 2014 by Environment Faculty)*

Selected courses:

Master of Science from University of Tehran			
Semester/Term	Course title	Credits	Grade
Fall 2014	Fundamental of Air Pollution	2	17/20
Fall 2014	Fundamentals of Solid Waste	2	19.75/20
Fall 2014	Hydrology of Groundwater	2	17.75/20
Fall 2014	River Engineering	2	17.5/20
Fall 2014	Surface water Hydrodynamics	2	16.8/20
Fall 2014	Water Quality Trading	2	19.75/20
Fall 2014	Water resources Quality Management	2	18/20
Winter 2015	Application of System Dynamics in Water Resources Management	2	19/20
Winter 2015	Energy and Environment	2	18/20
Winter 2015	Hydro-Information-Technologies	2	18.5/20
Winter 2015	Methods for Determining Pollution Load in Aquatic Environment	2	19/20
Winter 2015	Research Methodology Environmental	2	17.5/20
Winter 2015	Statistics for Environmental Engineers	2	18.5/20
Winter 2015	Surface and groundwater Pollution	2	18.5/20
Winter 2015	Surface Water Quality Modeling	2	17.3/20

Fall 2015	Methods for Determining Pollution Load in Aquatic Environment	2	19/20
Winter 2016	Thesis	6	18.75/20

Bachelor of Engineering from Arak University			
Semester/Term	Course title	Credits	Grade
Winter 2008	Water Chemistry and Microbiology	3	15.5/20
Winter 2008	Environmental Engineering	2	16.25/20
Winter 2009	Civil Engineering's Specialized Project (Numerical Modeling)	3	20/20
Winter 2009	Computer Programming (C++ , Java)	3	18.9/20
Winter 2009	Fluid Mechanics	3	13.25/20
Fall 2009	Mathematics II	3	20-Sep
Fall 2009	Principles of Architecture and Urban Planning	2	17.5/20
Winter 2010	Numerical Computations, Common	2	20-Dec
Fall 2010	Differential Equation, Common	3	20-Oct
Fall 2010	Hydraulics and Lab.	3	20-Oct
Winter 2011	Finite Elements	2	20-Dec
Winter 2011	Mathematics I, Common	3	15.25/20
Winter 2011	Water and Wastewater Treatment	3	20/20
Winter 2012	Engineering Hydrology	2	16/20
Winter 2012	Statistics and Probabilities for Civil Engineering	2	15.25/20
Fall 2012	General English Language	3	18/20
Fall 2012	Water and Wastewater Engineering and Project	3	17.5/20
Winter 2013	Hydrology of Groundwater	2	16/20