

## ***Curriculum Vitae (CV)***

***First Name:*** Ahmad

***Surname:*** Jamshidi Zanjani

***Birth Date:*** Apr 1, 1982

***Birth Place:*** Qaemshahr

***Current City:*** Tehran

***Citizenship:*** Iranian

***Marital status:*** single

***Languages:*** Persian, English (U.S.)

***Gender:*** male



### **Contact Information**

**Assistant professor at Tarbiat Modares University**

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### **Education**

Ph.D., Environmental Engineering (Environmental pollution), Iran University of Science and Technology (IUST), Tehran, Iran

M.Sc., Environmental Engineering Iran University of Technology (IUST), Tehran, Iran, 2006.

B.Sc., Civil Engineering, Isfahan University of Technology (IUT), Tehran, Iran,

### **M.S thesis title:**

ﻻ Removal of Nickel from Kaolinite using Electrokinetic coupled with barrierﻻ

### **Ph.D. dissertation title:**

ﻻ Development of heavy metals pollution index in aquatic sediment, Anzali Wetlandﻻ

### **Research area**

- 1- Geochemistry of sediments
- 2- Soil pollution
- 3- Water quality management
- 4- Water and wastewater treatment
- 5- Solid waste management
- 6- System dynamic modeling in the Environment
- 7- Waste management
- 7- Field and laboratory research

### **Accepted paper**

1. Assessment of Heavy Metals Contamination and Leaching Characteristics in Highway Side Soils, Iran, (2009), Environmental Monitoring and Assessment, 151 (1-4), 231-241
2. An investigation on the efficiency of electrokinetic coupled with carbon active barrier to remediate Nickel contaminated clay, (2009), Int. J. Environ. Res., 3 (Autumn (4)) (2009), pp. 629-636
3. An Electrokinetic Process Coupled Activated Carbon Barrier for Nickel Removal from Kaolinite, (2012), EnvironmentAsia 5(2), 28-35
4. Sorbed metals fractionation and risk assessment of release in river sediment and particulate matter, (2013), Environmental monitoring and assessment 185 (2), 1737-1754
5. The effect of waste separation policy in the municipal solid waste management using system dynamic approach, (2012), International Journal of Environmental Health Engineering (1), 5
6. Metal pollution assessment and multivariate analysis in sediment of Anzali international wetland, (2013), Environmental earth sciences 70 (4), 1791-1808
7. Development of a new aggregative index to assess potential effect of metals pollution in aquatic sediments, (2015), Ecological Indicators 58, 235-243

8. A risk assessment index for bioavailability of metals in sediments: Anzali International Wetland case study, (2015), Environmental Earth Sciences 73 (5), 2115-2126

9. Response to the comments of Zhang et al (2014) on Heavy metals and polycyclic aromatic hydrocarbons: Pollution and ecological risk assessment in street dust of Tehran, (2014), Journal of hazardous materials, 389-391

10. Optimization of operating parameters affecting the removal of chromium from aqueous solution using bio absorption Jujube fruit powder, Jujube fruit charcoal and compression with Granular Activated Carbon (GAC), (2013), Jundishapur Journal of Health Sciences 5 (2), 89-98

### **Teaching experience**

- 1- T.A in water and wastewater treatment (Iran University of science and technology)
- 2- Water and wastewater quality (University of Allaodole Semnani Garmsar)
- 3- Physical, chemical and biological process in water and wastewater treatment (University of Allaodole Semnani Garmsar)
- 4-Environmental Impact Assessment (University of Allaodole Semnani Garmsar)
- 5- Advanced mathematic (Tarbiat Modares University)
- 6- Mine and environment (Tarbiat Modares University)
- 7- Waste management (Iran University of Science and Technology)

### **Work experience**

- 1- Derivation ambient and discharge water quality criteria in Persian Gulf and Oman Sea, Iranian coast (Iran University of Science and Technology)
- 2- Derivation ambient and discharge water quality criteria in Caspian Sea, Iranian coast (Iran University of Science and Technology)
- 3- Investigation of effect of traffic on road side soil pollution
- 4- Groundwater pollution in Jiroft, Iran
- 5- Assessment of heavy metals pollution in Shahre-babak (Kerman province)
- 6- Solidification and stabilization of hazardous waste from power plant, Shahid Rajaei power plant, Iran.
- 8- Terms of reference of environmental impact assessment in harbors

9- Monitoring of surface water in north of Iran near Caspian Sea

**Software skills**

1- ArcGis, SPSS, Vensim, Microsoft Word, Microsoft Excell, Matlab, Minitab, GS<sup>+</sup>,  
Qual2k, Warm, Landgem

**Language skills**

- 1- Passing MCHE (Iranian interior exam)
- 2- Very well in understanding and reading

**Honors**

- 1- Ranked 550<sup>th</sup> in the university entrance exam (Konkour) B.Sc, 2000
- 2- Ranked 500<sup>th</sup> in the university entrance exam (Konkour) M.Sc, 2004
- 3- Ranked 1<sup>th</sup> in Water and Environmental engineering PhD student