

## CV,

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Assistant professor

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### **Education:**

- PhD of Environmental Health Engineering, School of Public Health, Isfahan Medical Sciences University, Isfahan, Iran (2001 – 2006).
- MSc of Environmental Health Engineering, Tehran Medical Sciences University, Tehran, Iran (1998-2001).
- BSc of Environment Health, Hamedan Medical Sciences University, Hamedan, Iran (1996 – 1998).

### **Honors and Awards**

- Honorary research assistant in the Department of Marine Sciences and Technology, Newcastle Upon Tyne University. UK (England) 2005.
- Health Ministry Scholarship for advance education toward a PhD in Environmental Health Engineering in Isfahan Medical Sciences University (2001).
- Ranking first and second respectively in the National Examination, taken by Ministry of Health for MSc and PhD studies in Environmental Health Engineering (1998 and 2001)
- First class honors in BSc, MSc and PhD studies, Hamedan Medical Sciences University, Hamedan, Iran. Tehran University of Medical Sciences, Tehran, Iran Isfahan Medical Sciences University, Isfahan, Iran respectively.

## ***Experiences***

### ***Research Experience***

- Air pollution and emerging technology in air pollution control.
- Biofiltration of air pollutants.
- Hospital and medical solid waste management.
- Toxicity evaluation of waste wastewater.
- Municipal and industrial solid waste management.
- Environmental Impact Assessment of solid waste landfill sites.

### ***Teaching Experience***

- Solid waste management in small communities.
- Wastewater collection and runoff collection systems designing.
- Air pollution control.
- Water distribution systems.
- Pump and water pumping.
- Water quality and sanitation of rivers.

### ***Work Experience***

- Assistant Professor at Tabriz Medical Sciences University (at present).
- Manager of project of hospital solid waste management of Tabriz city.
- Consultant and major colleague of project of analyzing of carbon monoxide in ambient and indoor air of Tabriz city.
- Consultant of project of survey of using fixed activated sludge process for waste water treatment in Isfahan.
- Director of student research center of Tabriz Medical Sciences University.

### ***Research Interest***

- Air pollution and emerging technologies in air pollution control.
- Biofiltration of air pollutants.
- Hospital and medical solid waste management.

- Municipal and industrial solid waste management.
- Hazardous solid waste management.
- Environmental Impact Assessment of solid waste landfill sites.

### **Presentation:**

**1- Taghipour, H.,** Shahmansoury M.R., Bina B., Movahdian H., Biological removal of ammonia from contaminated air streams using a three stage biofiltration system. 9<sup>rd</sup> congress of Environmental Health Engineering. 2006, Isfahan, Iran. (Oral presentation ).

**2- Taghipour, H.,** Shahmansoury M.R., Bina B., Movahdian H., Biological treatment of ammonia and hydrogen sulfide mixture from contaminated air streams using a biofiltration system. 3<sup>rd</sup> national congress on Civil Engineering. 2007, Tabriz, Iran. (Oral presentation).

### **Publication:**

A: Papers published in Persian language:

1. Eslami, A., Izanlou, H., **Taghipour, H.**, Acid rains. Journal of Water and Environment. 2000.
2. Nadafi, K., **Taghipour H.**, Mahvi, H., Shariat, M., Survey of toxicity of chrome containing wastewater by Daphnia Magna. Journal of environment and human. No 9. 2000.
3. Bina B., **Taghipour, H.**, Parvarsh A., Comparison of commercial activated carbon and cocconut activated carbon in removing of organic dyes. Journal of Health. No 1. 2005.
4. Mosaferi M., Fahiminia M., **Taghipour, H.** Environmental Management of Solid Wastes of Stone Cutting Industries: Pilot Study of Qom Province, Journal of Environemnt Sciences and Technology, Volume 9, Number2, Summer 2007.

B: Papers published in English language:

1. **Taghipour, H.,** Shahmansoury M.R., Bina B., Movahdian H., Comparison of the biological NH<sub>3</sub> removal characteristics of a three-stage biofilter with a one-stage biofilter, International Journal of Environmental Science and Technology (IJEST) ,3 (4):417- 424, 2006.

2. **Taghipour, H.**, Shahmansoury, M.R. Bina, B. Movahdian, H., 2008. Operational parameters in biofiltration of ammonia-contaminated air streams using compost-pieces of hard plastics filter media. *Chemical Engineering Journal* 137, 198- 204.