



## **Amin Bagheri**

**E-mail:** a-bagheri@razi.tums.ac.ir

**Birth:** Tehran, Iran.

### **Education**

**Ph.D. Candidate of Environmental Health Engineering**, Tehran University of Medical Sciences, School of Public Health, Dept. of Environmental Health. Tehran, Iran.

**Master of Science, Environmental Engineering**, Islamic Azad University, Tehran Science and Research Branch, Dept. of Energy and Environment, Tehran, Iran. ۲۰۰۷-۲۰۱۰

- Thesis: *Investigation on ultrasonic irradiation (USI) efficiency in removing of organophosphate pesticides from water.*

**Bachelor of Science, Environmental Health**, Tehran University of Medical Sciences, School of Public Health, Dept. of Environmental Health. Tehran, Iran. ۲۰۰۵-۲۰۰۷

**Bachelor of Science, Environmental Health**, Tehran University of Medical Sciences, School of Public Health, Dept. of Environmental Health. Tehran, Iran. ۲۰۰۵-۲۰۰۷

**DAAD Summer School Certification(Short course)** on Enhanced Technologies for Water and Wastewater treatment in urban systems. University of Duisburg-Essen, Germany, ۲۰۱۲.

### **Research Interests**

- *AOP processes in water treatment.*
- *Analytical methods to determine the fate of pollutants.*
- *Adsorption in water treatment.*
- *Innovative wastewater treatment and water reuse technologies.*
- *Disaster solid waste management.*

### **Publications, Presentations and Abstracts**

- *Evaluation of USBF system compared with the SBR system in the treatment of wastewater - The Second National Technical Conference of Environmental Engineering. Tehran. Iran.. ۲۰۰۶*
- *Safe drinking water supply for rural areas in emergency situations - The First National Conference on Environment and Sustainable Development of Rural. Tehran. Iran. ۲۰۰۷*
- *Evaluation of leachate treatment systems in new and existing landfill sites - the National Congress of Renewable Organic Matter Recycling in Agriculture - Isfahan. Iran. ۲۰۰۷*
- *Comparative evaluation of attitudes of rural people in the rural province of Kurdistan in providing home composting and composting plant - The First National Conference on Environment and Sustainable Development of Rural. Tehran. Iran. ۲۰۰۷*
- *Nano-catalysts used in various processes of the environment - New Health Sciences Conference with a Focus on Nanotechnology. Tehran. Iran. ۲۰۰۸*

- *Hospital waste management with the goal of reducing the volume and selecting the most suitable option for the elimination of waste (hospital, Dr. Shariati Tehran) - The Second National Conference of World Environment Day – University of Tehran. Tehran. Iran. ۲۰۰۸*
- *Management of drinking water consumption patterns in Zahedan - The First National Conference on Science and Technology, Water and Wastewater. Ahwaz. Iran. ۲۰۱۱*
- *Evaluation of organophosphate insecticides by different methods and the introduction of ultrasound technology as a novel technique. Published in the Journal of Water and the Environment. Water and Wastewater Engineering Company. ۲۰۱۰*
- *Microbiological quality of drinking water in rural areas of Divandare (Kurdistan-Iran). Archive of Hygienic Sciences Journal- Qom University of Medical Sciences and Health Services. In Press. ۲۰۱۲*
- *Investigation on the Azinphos Methyl removal efficiency from water by ultrasonic irradiation. Journal of Environment Science and Technology- Under review.*
- *Water Treatment and Pathogens Control. Translation Book. In Farsi. Neshat Publication ۲۰۱۰*

### **Professional Experiences**

Senior of Rayab Consultant Engineers Company. (Part time-۲۰۰۸-۲۰۱۱)

- Sewer and wastewater treatment plant design for Sirjan City, Iran.
- Integrated solid waste management project on Kish Island.
- Sewer and wastewater treatment plant design for Kish Island, Iran.
- Sewer and wastewater treatment plant design for Hashtgerd City, Iran.
- Sewer and wastewater treatment plant design for Pardis New town, Iran.

Consultant of Iranian Association of Environmental Assessment. (Part time-۲۰۰۸-۲۰۰۹)

- Standard compiling for Environmental Impact Assessment of defense centers.
- Standard compiling for optimizing of fuel consumption in military industries.

### **Research Experiences**

- Evaluation of sonochemical reactor in dye removal from textile effluent. Assistant of research project. Tehran University of Medical Sciences, School of Public Health, Dept. of Environmental Health. Project No. ۲۴۰۴. ۲۰۰۸-۲۰۰۹
- Evaluation of sonochemical reactor in surfactants removal from industrial wastewater. Assistant of research project. Tehran University of Medical Sciences, School of Public Health, Dept. of Environmental Health. Project No. ۳۴۰۱. ۲۰۰۸-۲۰۱۰

### **Teaching Experiences**

**Lecturer:** Hydrolic.۳, Dept. of Civil, University of Applied Science and Technology, Quick Build Center. Tehran, Iran. ۲۰۱۲

**Lecturer:** Health and safety.۱, Dept. of Civil, University of Applied Science and Technology, Quick Build Center. Tehran, Iran. ۲۰۱۲

### **Teaching Assistant**

Urban Design.۳, Dept. of Urban Architecture, University of Shahid Beheshti, Tehran, Iran. ۲۰۱۲

### **Community Involvement / Administrative Activity**

- Certificated in DAAD

- Member of Scientific and Executive Committee of New Health Sciences Conference. Tehran University of Medical Sciences.
- Member of Iranian Association of Environmental Assessment
- Member of Iranian Association of Environmental Health

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