Afsaneh Afzali

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Research Interests

- Air Quality
- Decision Making
- Application of GIS in Environment
- Solid Waste Management

Education

- **PhD in Environmental Engineering (Air Pollution),** 2010- 2014, Faculty of Chemical Engineering, Universiti Teknologi Malaysia, Johor Bahru, Malaysia, (GPA: **A**)
  Thesis Title: *"Trends and Prediction of Air Pollutants in Pasir Gudang Industrial Area, Johor, Malaysia"*

- **M.Sc. in Environmental Engineering,** Fall 2006- Winter 2009, Faculty of Natural Resources Engineering, Isfahan University of Technology, Isfahan, Iran, (GPA: **17.83**/20, equal to 3.57/4)
  Thesis Title: *"Use of GIS and Analytical Hierarchy Process in Municipal Solid Waste Landfill Site Selection: a Case Study of Najafabad City"*

- **B.Sc. in Environmental Engineering**, Fall 2002- Summer 2006, Faculty of Natural Resources Engineering, Yazd University, Yazd, Iran, GPA: **17.49**/20, (GPA: **17.49**/20, equal to 3.50/4)
  Thesis Title: *"Environmental Impact Assessment of Yazd Airport"*

- **Diploma, Science,** 1998-2001, Privilege Shahid Iranmanesh High School, Kerman, Iran, GPA: **19.43**/20

Publications (Journal Papers)

- **Afsaneh Afzali**, Soheil Sabri, M. Rashid, Jamal Mohammad Vali Samani & Ahmad Ludin, 2014, *Inter-Municipal Landfill Site Selection Using Analytic Network Process*, Water Resources Management, 28 (8), 2179-2194.

- **Afsaneh Afzali,** Mohd Rashid, Kusnin Noorhafizah & Mohd Rashid Ammar, 2014, ***Evaluating Human Exposure to Emission from Incineration Plant Using AERMOD Dispersion Modeling,*** Iranian J Publ Health, 43 (3), 25-33.

- **Afsaneh Afzali**, Jamal Mohammad Vali Samani & M. Rashid, 2011, ***Municipal Landfill Site Selection for Isfahan City Using GIS and Analytic Hierarchy Process***, International Journal of Environmental Health Science and Engineering (IJEHSE) *8*(3), 273-284.

- **Afsaneh Afzali**, Norollah Mirghafari & Ali Reza Soffianian, 2014, ***Use of GIS and Analytical Hierarchy Process for Site Selection of Municipal Solid Waste Landfill: a Case Study of Najafabad City***, Iranian Journal of Applied Ecology, 2(6), 27-38.

- **Afsaneh Afzali**, M. Rashid, B. Sabaria & M. Ramli, 2013, ***PM_{10} Pollution: Its Prediction and Meteorological Influence in Pasir Gudang, Johor,*** Earth & Environmental Science*, 18 (1).

- Mahboubeh Afzali, **Afsaneh Afzali** & Gholamreza Zahedi, 2012, ***The Potential of Artificial Neural Network Technique in Daily and Monthly Ambient Air Temperature Prediction***, International Journal of Environmental Science and Development (IJESD, ISSN:2010-0264), 3(1), 33-38.

- **Afsaneh Afzali** & Jamal Mohammad Vali Samani, 2011, ***Suitable Landfill Site Selection for Municipal Solid Waste of Isfahan City by Using Analytic Network Process and Considering the Water Resources Importance***, IRAN-WATER RESOURCES RESEARCH, *7*(1), 67-76.

Publications (Conference Papers)

- **Afsaneh Afzali**, M. Rashid, Jamal Mohammad Vali Samani, ***Prediction of PM10 Concentration in the Industrial Area of Pasir Gudang, Iskandar Malaysia***, First International Conference on Dust and Its Harmful effects, University of Agriculture and Natural Resources, Ramin, Khuzestan, Iran, 15-17 Feb, 2012.

- Ardeshir Khosravi Dehkordi, **Afsaneh Afzali**, Kahroba Jeyrani & Mehran Amini, ***Refined Swage Environmental Indexes of Isfahan Chemical Factory***, Technical Seminar on Oil, Gas and Environment, Engineering Faculty, Shiraz, Iran, 2008.

- **Afsaneh Afzali**, Ardeshir Khosravi Dehkordi & Mohsen Haji Ebrahimi, ***The Investigation of Spatial Effective Criteria of Khomeyni Shahr City Municipal Solid Waste Landfill in Isfahan***, The 3rd Conference & Exhibition on Environmental Engineering, Tehran University, Tehran, Iran, 2009.

- **Afsaneh Afzali**, Norollah Mirghafari, Ali Reza Soffianian, *Suitability Condition Assessment of Najafabad Present Municipal Solid Waste Landfill by Using Boolean and GIS*, 12th National Congress on Environmental Health, Shahid Beheshti University, Tehran, Iran, 2009.

- **Afsaneh Afzali** & Ardeshir Khosravi Dehkordi, *Sanitary Landfill Site Selection in Municipal and Rural Areas Around Khomeyni Shahr of Isfahan*, 2nd International Conference on Health, Safety, Environment, Tehran, Iran, 2009.

- Leila Habibi & **Afsaneh Afzali**, *Introduction of Wetland Values by Emphasis on Economic Value*, 3rd National Conference on World Environment Day, Tehran University, Tehran, Iran, 2009.

- **Afsaneh Afzali**, Norollah Mirghafari & Ali Reza Soffianian, *Landfill Site Selection in the Semi Arid Area of Central Iran: a Case Study of Najafabad City*, International Congress of Environmental Research, Goa, India, 2008.

- Mahboubeh Afzali, **Afsaneh Afzali** & Gholamreza Zahedi, *Ambient Air Temperature Forecasting Using Artificial Neural Network Approach*, 4th International Conference on Environmental and Computer Science (ICECS), Singapore, 16th to 18th September 2011.

Reports and Book Chapters

- **Year 2011 Annual Report,** Development of Low Carbon Society for Asian Regions, Published by Low Carbon Asia Research Center, JICA, UTM, Malaysia, 2012.

- **Low Carbon Society Blueprint for Iskandar Malaysia,** Summary for Policy Makers, Published by Low Carbon Asia Research Center, JICA, UTM, Malaysia, November 2012.

Research Project

- Prediction of ambient air temperature using Artificial Neural Network: a case study of Kerman City, Islamic Azad University, 2011.

- Offering the Post Research Student Grant, "Fine Dust Emission Control", Malaysia-Japan International Institute of Technology, UTM, KL, 2011.

- Research Assistant in the Project for Development of Low Carbon society Scenarios for Asian Regions, Japan International Cooperation Agency (JICA), 2011, 2012, 2013.

Seminars, Workshops and Training Courses

- Oral Report Presentation in the 3rd Progress Meeting on the Project "Development of Low Carbon society Scenarios for Asian Regions", Katsura Campus, Kyoto University, Kyoto, Japan, 10-11 April 2012.
- Oral Report Presentation in the 2rd Progress Meeting on the Project "Development of Low Carbon society Scenarios for Asian Regions", UTM, Johor, Malaysia, 2nd November 2011.
- Workshop on Air Quality Modeling Technique, Faulty of Environmental Studies, Universiti Putra Malaysia, Malaysia, 16th October 2014.
- Training workshop on Air Quality Modeling, 2nd National Conference on Air and Noise Pollution Management (AQM2014), Sharif University of Technology (Department of Mechanical Engineering, Fuel, Combustion, and Emission (FCE) research center), Tehran, Iran, 2013.
- Passing the tutorial periods of Iran Language Institute (up to level advance 4), Kerman, Iran, 2003.
- Participating at the tutorial workshops and national conference on water, soil management and sustainable development, Yazd, Iran, 2003.
- Presenting BSc seminar on Introduction of Iran national parks and the capability investigation of Khabr national park.
- Presenting MSc seminar on landfill management.
- Passing the period of primary GIS and GPS at the agriculture and natural resources engineering organization, 30 hours, grade 18.5/20, Isfahan, Iran, 2007.
- Accepted at the English Language Exam of Tarbiat Modares University for PhD degree, 2008.
- Participating at the 2nd national conference of World Environment Day, Tehran University, Tehran, Iran, 2008.
- Participating at the Nano Technology training, Isfahan University of Technology, Isfahan, Iran, 2009.
- Participating at the 2nd International Conference on HSE-09 (Health, Safety, Environment) and its workshops, sponsored by University of Tehran, Tehran, Iran, 2009.
- Participating at the Introduction to Writing for Publication in English for Postgraduates, the English Language Unit, Centre for Teaching and Learning, Universiti Teknologi Malaysia, March 2010.
- Participating at the Kukup Johor National Park Visiting, State of Johor Darul Tazim, Malaysia, Faculty of Chemical Engineering, Universiti Teknologi Malaysia, October 2010.
- Participating at the Animation and Techniques: Motion Data Management, Department of Computer Graphics and Multimedia, Faculty of Computer and Information Systems, Universiti Teknologi Malaysia, October 2010.
- Attending in the International Conference on Computer and Automation Engineering (ICCAE2010), Singapore, 26-28 Feb, 2010.

Languages

- Farsi (Persian).
- English.
- Standardized tests:
  - TOEFL Paper-based, November 14, 2009.
  - Total: **570**/677, Listening: 59/67, Structure: 58/67, Reading: 54/67, Essay 4/6.

Honors and Awards

- International Doctoral Fellowship (IDF), Universiti Teknologi Malaysia, 2011-2012
- Teacher Assistant, Faculty of Chemical Engineering, Universiti Teknologi Malaysia, 2011.
- Selected as the Excellent Paper in 4th International Conference on Environmental and Computer Science (ICECS), paper titled "***Ambient Air Temperature Forecasting Using Artificial Neural Network Approach***", Singapore, 16-18 Sep 2011.

Teaching Experience

- Tutoring in English course at Isfahan University of Technology, Isfahan, Fall 2008- spring 2009.
- Teaching Rural Environment Course at Payam Noor University, Kerman, Fall 2009.

Memberships of Scientific Societies

- Iranian Association of Environmental Health
- Agricultural and Natural Resources Engineering Organization
- Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEES)

Referees

- Prof. M. Rashid, Malaysia-Japan International Institute of Technology, UTM, KL, Email: rashid@cheme.utm.my

- Prof. J. Samani, Tarbiat Modares University, Tehran, Iran, Email: samani_j@modares.ac.ir

- Assoc. Prof. M. Ramli, Faculty of Chemical Engineering, Universiti Teknologi Malaysia, ramli@cheme.utm.my

- Assoc. Prof. N. Mirghafari, Isfahan University of Technology, Isfahan, Iran, Email: **mnorolah@cc.iut.ac.ir**