

Yousef Rashidi

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Education

Ph.D. Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, 2005.

M.Sc. Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran, 1995. **Ranked first among the graduates of the relevant academic year.**

B.Sc. Chemical Engineering, Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran 1992. **Ranked first among the graduates of the relevant academic year.**

Summary of Qualifications

comprehensive technical knowledge and experience in air quality modelling from simple windows based models to advanced photochemical Linux based models

Strong ability to effectively multi-task in a fast-paced professional environment & able to work as an independent and in team

Good written and verbal communication skills including presentation for scientific and general groups

Fields of Research Interest

Air Pollution (Modelling, Emission Inventory, Sampling & Monitoring Methods), Computational Fluid Dynamics (CFD), Applied Numerical Analysis

IT & Computer Skills

Operating system: *Linux, Unix, Windows*

Scientific programming language: *FORTRAN, C++, PASCAL, BASIC*

CFD & GIS software: *Tecplot, Surfer*

Symbolic computation and statistical analysis: *Maple, R, SPSS, Statistica*

General: *Microsoft Office, L^AT_EX*

Air Quality Software

AERMOD, CALPUFF, Airviro, WRF, CAMx

Current Positions

Assistant Professor, Environmental Sciences Research Institute of Shahid Beheshti University

Academic/Teaching Experience

Shahid Beheshti University

Air and Noise Pollution (M.Sc.), Environmental Sciences Research Institute, 2014-present.

Applied Mathematics in Environmental Science (M.Sc.), Environmental Sciences Research Institute, 2014 until now.,

Sharif University of Technology

Advanced Air Quality Modelling (M.Sc.), Mechanical Engineering Dept., 2012, 2013.

Amirkabir University of Technology (Tehran Polytechnic)

Air Pollution & Control Technology (M.Sc.), Chemical Engineering Dept. , 2012, 2013.

Jondi-Shapour University of Technology

Applied Mathematics in Chemical Engineering, Chemical Engineering Dept., 2012.

Heat Transfer I, Chemical Engineering Dept., 2010, 2011, 2012.

Heat Transfer II, Chemical Engineering Dept., 2010, 2012.

Material and Energy Balance, Chemical Engineering Dept., 2010, 2012.

Fluid Mechanics I, Chemical Engineering Dept., 2011.

Thermodynamics II, Chemical Engineering Dept., 2010.

Tehran University

Aerosol Technology (Ph.D.), Environmental Engineering Dept., 2010

Noise Pollution and Control (Ph.D.), Environmental Engineering Dept., 2010

Measurement and Monitoring of Air pollution (M.Sc.), Environmental Engineering Dept., 2010

Islamic Azad University (Science & Research Branch)

Air Pollution & Control Technology (M.Sc.), Civil Engineering Dept., 2008–2009

National Petrochemical Company

Chemical Reactor Design, 1996–1997.

Employment

Assistant Professor of Environmental Research Center of Shahid Beheshti University, Tehran, Iran, October 2014-present

Head of Air & Climate Change Office of Department of Environment, Tehran, Iran, December 2013–October 2014.

CEO of Air Quality Control Company, Tehran, Iran, September 2003–December 2013.

Head of Technical & Research Division of Air Quality Control Company, July 2002–September 2003.

Head of Modelling & Simulation Section of Air Quality Control Company, April 1998–July 2002.

Expert of Modelling & Simulation Section of Air Quality Control Company, June 1996–April 1998.

Training and Certificates

Advanced International Training Program on Air Pollution Management, Sweden, SIDA & SMHI, Sept.4-Oct.6, 2006

Air Quality Management, Japan, JICA, Jan.13-27, 2005

UNIX Operating System (System Administration course), Computer Centre of Municipality of Tehran, summer 1997

UNIX Operating System (Advanced course), Computer Centre of Municipality of Tehran, spring 1997,

National Gas Company, Tehran, Iran, (2 months Training), 1991

Selected Publications

Journal Articles

Amir Abbas HAMEDIAN, Allahbakhsh JAVID, Saeed MOTESADDI ZARANDI, Yousef RASHIDI, and Monireh MAJLESI. Air Quality Analysis by Using Fuzzy Inference System and Fuzzy C-mean Clustering in Tehran, Iran from 2009-2013. *Iran J Public Health*. 2016 Jul; 45(7), 917-925

F. Nahidi, R. Gholami, Y. Rashidi, H. Alavi Majd (2013). Relationship between Air Pollution and Pre-eclampsia in Pregnant Women: A Case-Control Study. *Eastern Mediterranean Health Journal (EMHJ)* 19(3), 60 - 66

Amir Kavousi, Reyhaneh Sefidkar, Hamid Alavimajd, Yousef Rashidi, Zeinab Abolfazli Khonbi (2013). Spatial analysis of CO and PM₁₀ pollutants in Tehran city. *Journal of Paramedical Sciences (JPS)* 4(3), 42-50

F. Atabi, Y. Rashidi, A. Gharagozlo and A. Arabi (2012). Air Quality Information System Using Online Web GIS. *Iranian Journal of Natural Resources* 64(4), 387–397.

B. Yeganeh, M. Shafie Pour Motlagh, Y. Rashidi and H. Kamalan (2012). Prediction of CO concentrations based on a hybrid Partial Least Square and Support Vector Machine model. *Atmospheric Environment* 55, 357–365

M. Shafie-Pour, Y. Rashidi and M. Ardestani. (2008). Simulation of Wind Field in Tehran Using Hybrid Diagnostic and Prognostic Models. *American Journal of Environmental Sciences* 4(5), 512–521

M. Ghorbani, M. Yunesian, A. Fotouhi, H. Zeraati, S. Sadeghian and Y. Rashidi (2007) Exposure to CO and PM₁₀ and onset of acute coronary syndrome: a case-crossover study. *Iranian Journal of Epidemiology* 3(1,2), 53–59

Proceedings

Y. Rashidi, M. A. Najafi and M. Shafiepour, Air Pollution Episode in Tehran Due to Transboundary Airborne Particulate. *Air & Waste Management Association International Specialty Conference: Leapfrogging Opportunities for Air Quality Improvement*, Xi'an, Shaanxi, China, May 10-14, 2010

K. Fedra, Y. Rashid and T. Kim, Real-time air quality assessment and management: cascading models in a web based implementation. *ITM 2009, 30th NATO/SPS, International Technical Meeting on Air Pollution Modelling and its Applications*, San Francisco, 18-22 May, 2009.

Y. Rashidi and S. M. Alaie, Wind Field Simulation in Tehran Using a Diagnostic Model. *Fourth Congress of Chemical Engineering*, Sharif University of Technology, Tehran, Iran, March 1999

P. Hastaie, Y. Rashidi, V. Ezattian and Z. Jahangiri, The Impact of Mehrabad Airport on Tehran's Air Pollution. *Fifth National Conference of Fluid Dynamics*, Ferdowsi University, Mashhad, Iran, August 25-27, 1998

Y. Rashidi, S. M. Alaie and B. Dabir, Linear Stability Analysis of Multilayer Coating of Viscoelastic liquids. *Second National Congress of Chemical Engineering*, Amirkabir university of Technology, Tehran, Iran, February 1997

Y. Rashidi, S. M. Alaie and B. Dabir, Linear Stability Analysis of Multilayer Extrusion and Coating of Newtonian liquids. *Second National Congress of Chemical Engineering*, Amirkabir university of Technology, Tehran, Iran, February 1997

Y. Rashidi and S. M. Alaie, "Linear Stability Analysis of Viscoelastic liquids in Multilayer Couette flow. *International Manufacturing Engineering Conference (IMEC)*, University of Connecticut, Storrs, CT, USA, August 1996

References

Bahram Dabir (Ph.D.) Professor of Chemical Engineering Department, Amirkabir University of Technology, Tehran, Iran
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Gholam Reza Shiran (Ph.D.) Professor of the Civil Engineering Department, University of Esfahan, Esfahan, Iran
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Vahid Hosseini (Ph.D.) Assistant Professor of Mechanical Engineering Department, Sharif University of Technology, Tehran, Iran
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