

## Curriculum Vitae

**First Name:** Mahyar

**Surname:** Safa

**Date of Birth:** 22Sep1970

**Place of Birth:** Iran – Tehran

**Gender:** Male

**Martial Status:** Married

**Work Address:** Ministry of Interior, Iranian Municipalities and Rural Management Organization, Rural Affairs Assistance.

Tel: (+98)-21-63901333

Fax: (+98)-21-63901338

**E-mail:** [mahyarsafa@yahoo.com](mailto:mahyarsafa@yahoo.com)

### University Education

- 1) BSc. in Civil Eng., I.A.U of Karaj.
- 2) MSc. in Environmental Eng., Faculty of Environment, Science and Research Branch, I.A.U of Tehran.
- 3) Implementation of Training Course of PhD in Environmental Eng., Faculty of Environment, Science and Research Branch, I.A.U of Tehran.
- 4) PhD student of solid waste course, Faculty of Environment, Tehran university.

### Research Experience

- 1) Senior Expert in Solid Waste Sector in Iran's "Climate Change Project", GHG's Inventory, Mitigation, Vulnerability, Adaptation and Action Plan Phases, DOE-UNEP, (1998-2003).
- 2) Senior Expert in Solid Waste Sector in Iran's "Climate Change Project, Technology Needs for Solid Waste Sector", DOE -UNEP,(2003 -2004).
- 3) Teaching Environmental Engineering and Water & Wastewater Treatment Courses, Ghaemshahr I.A.U, Department of Civil Engineering, (1998-1999).
- 4) Senior Expert in Iran's "National Strategy of Biotechnology for Environmental Science", National Institute of Genetic Engineering and Biotechnology, Tehran, (2001-2002).
- 5) Senior Expert in Iran's "Urban Recycling Studies / Technical and Economical Aspects" Fars, Kerman and Sistan & Baloochestan Provinces, Ministry of Interior, Tehran, Iran, (2002-2004).
- 6) Teaching "Environmental Health, Solid Waste Management and Related Acts and Guidelines in Rural Zones"; Rural Municipalities (Dehyaran) Training Course, Ardabil Province, 2005.
- 7) Teaching "Landfill Site Selection and Project Defining in Rural Areas"; Rural Municipalities Training Course, West Azarbijan Province, 2005.
- 8) Course Technical Lecturer, "Energy Recovery from Solid Waste Landfill Sites"; Ministry of Energy, Gilan, Hormozgan, Ghazvin and Sistan & Bloochestan Provinces, (2004- 2005).
- 9) Ministry of Interior Representative and Expert in Providing "Iran's Executive Guideline of Waste Management Act (Rural Department)"; Ministry of Interior, Iranian Municipalities and Rural Municipalities Organization, (2004-2005).
- 10) Survey on "Infected and Damaged Regions by Eltor Disease and its Sphere of Influence"; Providing a Comprehensive Report for Interior Minister, Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.

## Papers

- 1) Omrani, Gh.A. & M. Safa; "Effects of a Mechanical Mixer on Biogas Generation in a Fixed-dome Unit", Journal of Environmental Studies, University of Tehran, 2005.
- 2) Omrani, Gh.A; Safa, M. & L.Ghafghazi; "Utilization of Biofilter for Ammonia Elimination in Composting Plant", PJBS (Pakistan Journal of Biological Science), 2004.
- 3) Omrani, Gh.A. & M. Safa; "Impacts of Solid Waste Sector on Climate Change in Iran", Third Regional & First National Conference on Climate Change, Isfahan, Iran, (October 2003).
- 4) Safa, M., "Iran's Country Paper on OEHS (Occupational/ Environmental Health and Safety)", APO Workshop, Yogyakarta, Indonesia, 2004.
- 5) Safa, M., "Landfill Foundation and LFG Recovery", LFG Seminar, Ministry of Energy, Tehran, Iran, 2004.
- 6) Safa, M., "Rural Solid Waste; Challenges & Strategies", Journal of Rural Municipalities (Dehyariha), Ministry of Interior, Iranian Municipalities and Rural Municipalities Organization, No.7, 2004.
- 7) Safa, M., "Home-biocompost Utilization for Disposing Organic Waste in Rural Areas", Journal of Rural Municipalities (Dehyariha), Ministry of Interior, Iranian Municipalities and Rural Municipalities Organization, No.8, 2004.
- 8) Safa, M., "Healthy Village; New Strategies for Developing Health in Rural Communities", Journal of Rural Municipalities (Dehyariha), Ministry of Interior, Iranian Municipalities and Rural Municipalities Organization, No.11, 2005.
- 9) Safa, M., "Clean Earth Day Festival Report"; Journal of Rural Municipalities (Dehyariha), Ministry of Interior, Iranian Municipalities and Rural Municipalities Organization, No.14, 2005.
- 10) Safa, M. & Gh.A. Omrani; "Solid Waste Pollution in Caspian Sea Region"; Caspian Sea Symposium, University of Tehran with collaboration of Ministry of Education and Research of Germany, Tehran, Iran, 12 September 2006.
- 11) Safa, M., "Solid Waste Management System Development Strategy at the level of villages"; First National Conference of Rural Environmental Protection and Sustainable Development, DOE, Tehran, Iran, February 2007.
- 12) Safa, M. and L. Ghafghazi; "Compost Production; A Step In The Development of Rural Waste Management System"; Third National Conference of Solid Waste Management, Quarterly magazine of educational and research of waste management, Iranian Municipalities and Rural Municipalities Organization Tehran, Iran, April 2007.

## Books and Reports

- 1) Safa, M.; Ghafghazi, L. & L. Beheshti; "National Strategy of Biotechnology / For Environment Science (Iran's Environmental Consideration)"; National Institute of Genetic Engineering and Biotechnology, Ministry of Science, Research and Technology, ISBN: 964-93266-5-0, Tehran, Iran, 2003.
- 2) Safa, M., "National Strategy of Biotechnology / World's Environmental Consideration (Bioplastic Chapter)"; National Institute of Genetic Engineering and Biotechnology, Ministry of Science, Research and Technology, ISBN: 964-8516-19-7, Tehran, Iran, 2003.
- 3) Safa, M., "Training Handbook of LFG ; Environmental Effects and Potential in Iran" ; Ministry of Energy , Tehran , Iran, 2003
- 4) Safa, M., "Household Bio-composting Manual and Guide Direction in Rural Zones"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.
- 5) Safa, M., "Rural Slaughterhouse and Butchery Health Control Guide Direction"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.

- 6) Safa, M., "Bakery Health Control Guide Direction in Rural Areas"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.
- 7) Safa, M., "Confectionery Health Control Guide Direction in Rural Areas"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.
- 8) Safa, M., "Source Separation and Waste Landfill Project Preparation Guide Direction in Rural Areas"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.
- 9) Safa, M., "Solid Waste Storage Bins Utilization Guide Direction in Rural Areas", Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2005.
- 10) Safa, M., "Design Principles of Biogas Plants, Operation & Maintenance / Fixed-Dome Models"; Instruction Booklet, IRSEN, UNDP/GEF-SGP, 2005.
- 11) Safa, M., "Solid Waste Charges Guide Direction in Rural Areas"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, Tehran, Iran, 2006.

### **Job Experience**

- 1) Expert in Department of Environment (DOE), Climate Change Office, Tehran, Iran, (1997, 2002).
- 2) Health and Environmental Expert, Ministry of Interior - Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, (2003- 2005).
- 3) Rural Services Affairs Responsible Expert, Ministry of Interior -Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, (2005 till now).
- 4) Main member of "National Workgroup in Urban and Rural Waste Management", Iranian Municipalities and Rural Municipalities Organization, Institute for Urban and Rural Management, (2009 till now).

### **Field Experience**

- 1) Design of "Wastewater Treatment Plant for Fish Washing Hall", Ramin Port, Sistan & Bloochestan Province, Iran, 2001.
- 2) Design and Implementation of a Fixed-dome Biogas Unit with a Paddle Mixer (Capacity of 2 m<sup>3</sup> biogas per day) in I.A.U of Tehran, 1997.
- 3) Design and Implementation of a Biofilter Unit for Odor Control in a Pit Composting Plant, I.A.U of Tehran, 1997.
- 4) Design and Establishing of Two Fixed-dome Biogas Units with Agitators (Capacity of 8 m<sup>3</sup> biogas per day), UNDP/GEF-SGP, Project Number: IRA-G52-2002-022(IRA98G52), Project Name: Promoting the Adoption of Renewable Energies in Rural Areas and Related Activities, Northern Iran, Yakh-kesh Region, (2003-2005).
- 5) Repairing and Re-starting an Industrial Incinerator in a Spinning & Weaving Factory, Hashtgerd, Iran, 1995.
- 6) Technical Supervisor in "Rural Solid Waste System Designing / Country National Project"; Iranian Municipalities and Rural Municipalities Organization, Rural Construction & Development Office, (2005 till now).
- 7) Programming and Design of a 50 tones Bio-compost Plant (Windrow Method) in Kish Island, RAY AB Consulting Engineers, Iran, 2008-2009.
- 8) Feasibility Study of Using Biogas Units in Rural Areas of Ramsar Region, UNDP/GEF-SGP Project, Mazandaran, Iran, 2009 till now.

- 9) Feasibility Study of Executing Solid Waste Management System in Rural Areas of Arak Province, Iran, 2007-2008.
- 10) "Explanation about rural solid waste management and recycling in rural communities", Title of piece: Dehyari Voice, Summer 2004, I.R. of Iran Broadcasting Network.
- 11) Educator of "Rural Municipalities Training Program" in solid waste management and rural environmental health, Channel 7, I.R. of Iran Broadcasting Network, 2008.

### **Training Workshops and Courses**

- 1) CC:TRAIN Workshop on Climate Change and Internet Hands - On, Tehran, Iran, 1-5 Sep.1999, by UNITAR.
- 2) CC:TRAIN Workshop on Climate Change Mitigation Analysis, Tehran, Iran, 2-8 Dec.1999, by UNITAR.
- 3) CC:TRAIN Workshop on Climate Change Vulnerability & Adaptation Assessment, Tehran, Iran, 5-14 June 2000, by UNITAR.
- 4) Workshop on GP and OEHS, Yogyakarta, Indonesia, 9-13 August 2004.
- 5) Workshop on Sustainable Development Strategy and Strategic Environmental Assessment (SEA), Tehran, Iran, (11, 12 &13 October 2004).
- 6) International Computer Driving License Courses (ICDL - Skills 1~7 include Word, PowerPoint, Excel, Access, ....), Jihad Daneshgahi, Amir Kabir Industrial University, Tehran, Iran, 2005.
- 7) Workshop on National Solid Waste Management and its Role in Urban Planning, Tehran, Iran, 22 April 2006.
- 8) South Asia Sub-Regional Leadership Course for Young Leaders in Governance, Colombo, Sri Lanka, 16-21 October 2006.
- 9) "Systems Thinking Workshop", UNDP, Tehran, Iran, 2 & 3 July 2007.
- 10) Training Course: "Principles and Basics of Rural Planning", Fars Province, Iran, 6-8 May 2009.
- 11) Training Course: "Crisis Management", Fars Province, Iran, 6-8 May 2009.
- 12) Training Course: "Effective Management of Time", Iranian Municipalities and Rural Municipalities Organization, Ministry of Interior, January 2009.
- 13) Training Course: "Meetings Management Techniques", Iranian Municipalities and Rural Municipalities Organization, Ministry of Interior, January 2009.
- 14) Training Course: "Principles of Negotiations and Contract", Iranian Municipalities and Rural Municipalities Organization, Ministry of Interior, May 2009.
- 15) Training Course: "Risk Management", Iranian Municipalities and Rural Municipalities Organization, Ministry of Interior, May 2009.
- 16) Training Course: "Urban Planning and Management", Iranian Municipalities and Rural Municipalities Organization, Ministry of Interior, June 2009.
- 17) National Workshop on Solid Waste Management, Tehran, Iran, 22 & 23 April 2007.
- 18) National Workshop on Solid Waste Management, Mashhad, Iran, 22 & 23 April 2008.