

# Curriculum vitae


## PERSONAL INFORMATION

### Alireza Mokhtar

 460, 9th St., Amini Blvd., Golestan Town, 7189959365 Shiraz (Iran)



 mokhtar@gmail.com

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 Skype mokhtar.ir

Sex Male

## WORK EXPERIENCE

1 Apr 2017–Present

### Energy and Water Management Consultant

ZarrinGhazal Dairy and Ice Cream Co., Shiraz (Iran)

- Position: Senior Consultant for establishment of the energy/water management system
- Duty: Implementation of integrated energy and water management system and planning for continuous improvement of energy performance

1 Sep 2011–Present

### College / university teaching professional

Shiraz University of Technology, Shiraz (Iran)

- Position: Assistant Professor at industrial engineering Dept.
- Duty: Doing Research and Teaching in graduate/undergraduate program

1 Nov 2013–1 Nov 2015

### Expert and Consultant

United Nations Industrial Development Organization, Vienna (Austria)

- Position: Consultant in Energy Management Systems, National Expert in GEF/UNIDO Project
- Duty: Implementation and Training of Energy Management System for Iranian Energy Intensive Key Sector
- Position: Consultant in Energy Efficiency Project organized by UNIDO-ITPO
- Duty: Developing Investment Portfolio for Italian Technology Providers in Iran's SMEs

1 May 2017–Present

### Technology and Investment Promotion Expert

UNIDO-ITPO in Italy, Rome (Italy)

- Position: One of the two national consultants in the project "Support to Iran's SMEs through investment promotion and technology transfer in energy and environment" organized by UNIDO-ITPO in Rome, Italy
- Duty: Technical and financial assessment of the companies proposals in the field of energy and water efficiency as well as environmental improvement

1 Sep 2011–1 Sep 2014

### College / university teaching professional

Sharif University of Technology, Kish Island (Iran)

- Position: Inviting Lecturer
- Duty: Teaching courses for graduate students of MBA and Industrial Engineering students

1 Feb 2011–1 Jun 2011

### Business professional

New Holland Construction Dealer, Tehran (Iran)

- Position: Project Manager
- Duty: Managing a project in the field of re-engineering and business process modeling

1 Sep 2005–1 Aug 2008

**Business professional**

Research Institute for Petroleum Industry, Tehran (Iran)

- Position: Team Leader
- Duty: Domestic Market Analysis and Research for industrial/automotive lubricants

1 Sep 2001–1 Sep 2003

**Engineer**

Mines &amp; Metals Engineering Co., Tehran (Iran)

- Position: Part/Full time expert
- Duty: Inventory Management and Feasibility Study for Steel Making Plant

1 Apr 2011–1 May 2011

**Business professional**

UNIDO, Tehran (Iran)

- Position: Senior analyst to generate a report for the project "energy and resources efficiency in Iran small and medium enterprises"

**EDUCATION AND TRAINING**

22 Sep 2003–29 Sep 2010

**PhD in Industrial & Manufacturing Systems Engineering**

EQF level 8

Sharif University of Technology, Tehran (Iran)

- Thesis Title: Integration of Design and Manufacturing Systems using Neutral Data Structure

22 Sep 2001–29 Sep 2003

**Master of Science in Industrial Engineering**

EQF level 7

Sharif University of Technology, Tehran (Iran)

- Thesis Title: Analytical Simulation of Rapid Prototyping Processes in a Virtual Environment

22 Sep 1996–22 Sep 2000

**Bachelor of Science in Industrial Engineering**

EQF level 6

Sharif University of Technology, Tehran (Iran)

- Project Title: Design & Manufacture of a Workshop Crane (over 1 ton capacity)

1 Feb 2006–1 May 2007

**Industrial Automation Package**

EQF level 2

FESTO DIDACTIC, Tehran (Iran)

- Industrial Pneumatic, Basic Level
- Industrial Hydraulics, Basic, Advanced and Troubleshooting/Maintenance, Electro Hydraulics

1 Oct 2013–1 Feb 2016

**Energy Management Systems**

EQF level 4

United Nations Industrial Development Organization, Arhus (Denmark)

- Energy Management Systems, principles: Nov 2013 (Iran)
- Energy Management Systems based on ISO 50001 in 3 Modules: (Iran)
  - *Planning: Apr 2014*
  - *Implementation and Operation: Sep-Oct 2014*
  - *Checking: May 2015*
- Energy Management in Compressed Air Systems: Feb 2016 (Iran)

- Energy Management Systems, supplementary courses: Apr 2014 (Denmark)

## PERSONAL SKILLS

Mother tongue(s) Persian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C1
Arabic	A2	B2	A1	A1	A1
French	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

- Excellent level of business communication and collaboration with industries and Organizations due do many projects I have been involved
- High level of communication with students and university staff due to my teaching experience for many years

Organisational / managerial skills

- Professional in Team Management and Coordination
- Very good in Project Management & Control
- Well experienced in arrangement for Presentations and Report Generation

Job-related skills

**Records of Selected Publications:**

**Books:**

- Evaluation of Energy Performance in Industry. (2017) in Farsi
- UNIDO Guideline for Implementation of Energy Management System (2013) in Farsi
- Theory of Constraints (translation). 2016

**Articles:**

- Dealing with sustainability in groundwater management using system dynamics approach, a case study in Iran", Accepted for publication in Sustainable Water Resources Management (2017).
- Systemic insights into agricultural groundwater management, case study of Firuzabad Plain in Iran, A. Mokhtar, S. Aram. Journal of Water Policy, Vol 19, Issue 4 (2017).
- Development of an Applied Model to implement Energy Management System in Dairy Products Industries, A. Mokhtar, A. Bahmanpour, Intl J. of Eng. and Tech. Research, (IJETR), 2454-4698 (P), Vol 6, Issue 2, (2016).
- Introduction a new mathematical model to optimize fuel consumption in Iranian transportation sector, A. Mokhtar, S. Moazzeni, the 1st Cong. of Energy Crisis, Shiraz, Iran WEC, (2015).
- Priority of Energy Intensive Industries in Fars Province to implement Energy Management Systems using PROMETHEE method, A. Mokhtar, M. Ansari, 11th Intl. Industrial Eng. Conf. IIEC (2015).
- Prioritization of suitable sites for tidal energy extraction using PROMETHEE method, A. Mokhtar, A. Estakhr, 10th Intl. energy conf. Tehran, Iran, (2015).
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- Ranking energy efficiency measures in Kiln process of cement industry using DEA approach, A. Mokhtar, A. Zeratkar, M. Nasooti, CIEE, The 3rd intl. conf. of cement, energy and environment, Tehran (2014)
- Presenting a framework for future studies of biomass, Aireza Mokhtar, M. Daneshgar, A. Zeratkar, 10th intl. energy conf., Tehran (2014)
- Developing a STEP-Compliant Multi-agent on an Interoperable and Integrated CAD/CAM Platform, A. Mokhtar, O. Fatahi Valilai, Intl. J. of Manufacturing Eng. Article ID 974759. (2013)

- Machining precedence of 2.5D interacting features in a feature-based data model, Mokhtar, A., Xu, X. J. of Intelligent Manufacturing, Springer, (2009)
- Dealing with feature interactions for prismatic parts in STEP-NC. Mokhtar, A., Xu, X. & Lazcanotegui, J. of intelligent Manufacturing, 20 (4), (2009)

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

- Highly skillful in using Office Suit (Word, Excel, PowerPoint, Access)
- Experienced in using CAD/CAM softwares (Pro/Engineer, CATIA, IronCAD)
- Experienced in Programming (Visual Basic)
- Very well experienced in using Feasibility Study COMFAR package
- Highly Skillful in Analytical Tools (SPSS, VENSIM PLE)

## Other skills

- Active Member of Mountain Climbing and Hiking Club.
- Advanced Level in PADI (Professional Association of Diving Instructors)
- Professional in Playing Tar (Persian Instrument) and Singing
- Well experienced in Traveling all across the world
- Working as denotation for a charity hospital of transplantation in Iran