

# Mohsen Amra

Website: [mohsenamra.ir](http://mohsenamra.ir) Phone: +989125537521

Email: [St\\_m\\_amra@azad.ac.ir](mailto:St_m_amra@azad.ac.ir) | [mohsen\\_amra@hotmail.com](mailto:mohsen_amra@hotmail.com)

---

## Education

---

- (Aug. 2018) **M.Sc. in Financial Engineering**

**Location:** Islamic Azad University South Tehran Branch Tehran, Iran.

**GPA:** A+ 18.27 / 20

**Thesis Topic:** Formation of Optimal Multi-Period Mean-Semivariance Portfolio with Uncertain Interest Rates Case Study on the New York Stock Exchange.

**Supervisor:** [Dr.Kaveh Khalili-Damghani](#).

- (Sep. 2014) **B.Sc. in Industrial Engineering**

**Location:** Islamic Azad University of Qom, Iran.

**Thesis Topic:** Design and implementation of the Statistical Quality Control System in Shokooch Ta'am meat products factory.

**Supervisor:** Dr. Morteza Rajabzadeh.

*[\(Islamic Azad University is ranked 454th in Best Global Universities, 69th in Best Global Universities in Asia \(tie\), and 2nd in Best Global Universities in Iran according to the Us news ranking\).](#)*

## Research Interests

---

- Data Analysis.
- Information Technology & Machine Learning.
- Business Analytics.
- Operations Management.
- Portfolio Optimization.
- Mathematical Modeling.
- Production/Operations Management.
- SCM.
- Healthcare Systems.
- Digital Marketing & Entrepreneurship.

## Selected Courses

---

### **Master:**

- Financial Time Series: 19.50/20
- Econometrics: 18 /20
- Investment Portfolio Selection Models: 17/20
- Financial Risk Management and Analysis: 18/20
- Stochastic Processes: 17/20

### **Bachelor:**

- Microeconomics: 16/20
- Inventory Control: 15.2 /20
- Transportation Planning: 18.50/20
- Management Information System (MIS): 17/20

## Publications

---

### ❖ Journal Papers

1. Ziaee, M., Mortazavi, J. & **Amra, Mohsen**. Flexible job shop scheduling problem considering machine and order acceptance, transportation costs, and setup times. *Soft Comput* (2021). <https://doi.org/10.1007/s00500-021-06481-y>
2. Reza Lotfi, Zohre Sheikhi, **Mohsen Amra**, Mehdi AliBakhshi & Gerhard-Wilhelm Weber (2021) Robust optimization of risk-aware, resilient and sustainable closed-loop supply chain network design with Lagrange relaxation and fix-and-optimize, *International Journal of Logistics Research and Applications*, DOI: <https://doi.org/10.1080/13675567.2021.2017418>
3. **Mohsen Amra**, Kaveh Khalili-Damghani. "Formation Of Optimal Multi-Period Mean-Semivariance Portfolio with Fuzzy Interest Rates Based On Epsilon-Constraint & Jiménez's Fuzzy Spectral Clustering Structure: Case Study On The New York Stock Exchange.", (Under Review).
4. Reza Lotfi, Bahareh Kargar, Alireza Gharehbaghi, Hanif Hazrati, Sima Nazari, **Mohsen Amra**. Resource-constrained time–cost–quality–energy–environment tradeoff problem by considering blockchain technology, risk and robustness: a case study of healthcare project. *Environ Sci Pollut Res* (2022). <https://doi.org/10.1007/s11356-022-20334-7>
5. Reza Lotfi, Farzad Zeinali, Sadia Samar Ali, Seyed Mahdi Sharifmousavi, Amirhossein Khanbaba, **Mohsen Amra**. "Antifragile, sustainable and agile healthcare waste chain network design by considering blockchain, resiliency, robustness and risk.", (Minor Revision Requested)
6. Tooraj Karimi; Mohammad javad Pahlavan zadeh; Abbas Alwardi; **Mohsen Amra**. "Proposing DEA-GZBWM Method with Fuzzy Uncertainty". *Industrial Management Journal*, 13, 3, 2022, 415-434. (*In Persian*). <https://dx.doi.org/10.22059/imj.2021.327407.1007856>

### ❖ Conference Papers

1. Khoshkhooy Titkanlou Maryam and Kazemi, Mostafa and **Amra Mohsen**, 1400, A combined deep Neural Network for classifying T1 weighted Magnetic Resonance Brain tumor, Twelfth International Conference on Information Technology, Computer and Telecommunications, <https://civilica.com/doc/1261265>.
2. Lotfi Reza, and Gharehbaghi Alireza and **Amra Mohsen**, and mahmoodi, Marjan, 1400, Viable closed loop supply chain network design: a case study in automotive industry, 18th International Conference on Industrial Engineering, <https://civilica.com/doc/1354311>.

## Honors & Awards

---

- Rank 500th in the Azad University Master's Degree in Financial Engineering in Entrance Examination in 2015.
- Rank 93rd in the Azad University Bachelor's Degree in Industrial Engineering in Entrance Examination in 2010.
- Rank 148th in the Azad University Bachelor's Degree in Petroleum Engineering in Entrance Examination in 2009.

## Academic Projects

---

1. **Course Name:** Industrial unit planning.  
**Project Title:** Planning of Shokooh Ta'am meat products factory.
2. **Course Name:** Statistical process control.  
**Project Title:** Implementation of Statistical Process Control System (SPC) in Shokooh Ta'am meat products factory.
3. **Course Name:** Management Information System (MIS).  
**Project Title:** Design and implement a customer relationship management (CRM) system using the [Vtiger platform](#) for an advertising company and create a sales unit database using the Microsoft Access software for Neda Gostar Saba Company ([Sabanet](#)), one of the branches of Qom city.

## Workshops & Seminars

---

- Health and Safety Executive (HSE) | Dec 2013 | 4 hours | RQS.
- LINGO Software | Dec 2013 | 10 hours | Aminbehbood Academy.
- Basic and Requirements of Integrated Management System Based on ISO9001:2008, ISO14001:2004 & OHSAS18001:2007 | Sep 2013 | 24 hours | KQR.
- Lead Auditor Information Security Management System (ISMS) ISO/IEC 27001:2005 / RABQSA- IS Information Security Management System / RABQSA-AU Management System Auditing Techniques / RABQSA-TL Leading Management System Audit Teams | Aug 2013 | 40 hours | RAB-QSA / ICA / IRCA.
- Information Security Risk Management ISO/IEC 27005:2005 | Dec 2012 | 8 hours | RQS.
- Customer Relationship Management (CRM) | Dec 2012 | 8 hours | ICS Group.
- General requirements for the competence of testing and calibration laboratories, ISO/IEC 17025 | Oct 2012 | 8 hours | Global Quality Systems, Inc. (GQS).
- FSMS (ISO 22000:2005) - HACCP Internal Audit | Sep 2012 | 30 hours | ICS GROUP.
- Microsoft Excel 2010 Applications in Engineering Sciences | Sep 2012 | 16 hours | RQS.
- ISO 10002:2004 | May 2012 | 8 hours | ICS Group.
- Occupational Health & Safety Management Systems Essential and Documentation, OHSAS18001:2007 | May 2012 | 16 hours | International Third-Party Body from California USA, Quality Management System (BRS).
- ISO9001:2008 & ISO19011:2010, Quality Management System Essential & Documentation | May 2012 | 16 hours | International Third-Party Body from California USA, Quality Management System (BRS).
- European Foundation for Quality Management (EFQM) | May 2012 | 6 hours | Global Quality Systems, Inc. (GQS).
- Introduction System (5S) | Mar 2012 | 8 hours | Global Quality Systems, Inc. (GQS).
- ISO 10004:2010 | Jul 2012 | 16 hours | ICS Group.
- ISO/TS16949:2009, Quality Management System Essential & Documentation | Jun 2012 | 16 hours | International Third-Party Body from California USA, Quality Management System (BRS).
- MSP (Microsoft Project) | Mar 2012 | 24 hours | ICS Group.
- Project Management Body of Knowledge (PMBOK) | Dec 2011 | 10 hours | ICS GROUP.
- ISO 9001: 2008 Internal Audit | Oct 2011 | 24 hours | ACS REGISTRARS.
- Energy Audit and Building Installations. | Dec 2011| 8 hours | Mabna Co.

## Work Experiences

---

- **Position:** Teacher  
**Fields:**
  - E-learning content.
  - Basic web page.
  - Online store.
  - Supply chain.
  - Director of Computer and IT Human Resources Productivity.
  - General Manager of Computer and Digital.
  - WordPress Content Management System.
  - ICDL User training.
  - Computer and Internet use in the workplace.**Location:** [Iran's Technical and Vocational Training Organization \(Iran TVTO\)](#), Tehran, Iran.  
**Year:** 2019-Present
- **Position:** Export executive assistant  
**Location:** [Nakhl Electricity Commodity Complex](#), Qom, Iran.  
**Year:** 2021

- **Position:** Lecturer  
**Workshop Title:** Introduction to Starting an Internet Business.  
**Location:** [Tehran Technical Complex](#), Qom, Iran.  
**Year:** 2019
- **Position:** Digital Marketing Manager.  
**Location:** Asr Eghtesad Rasa Export Management Company, Qom, Iran.  
**Year:** 2018-2019
- **Internship (Undergraduate)**  
**Title:** Diagnosis and improvement of the quality control system in the Shokooh Ta'am meat products factory.  
**Location:** Shokooh Ta'am meat products factory, Qom, Iran.  
**Year:** 2014

## Professional Experiences

---

- Springer | Environmental Science and Pollution Research, reviewer.
- Springer | Soft Computing, reviewer.
- Springer | Computational Economics, reviewer.

## Skills.

---

### Test Score:

- English – IELTS (As soon as possible).

### Computer:

- Microsoft Office.
- Adobe Software (Photoshop, InDesign, Audition).
- LINGO, MSP, GAMS, Minitab.
- Google Tools (Analytics, Webmaster tools, Ads, Tag Manager).
- Content Management System (WordPress, Joomla, PrestaShop, Magento).
- Web Design.
- SEO (Search Engine Optimization).
- Programming Language (Python, HTML, CSS, Bootstrap).

## Leadership Position / Volunteer Work / Hobbies

---

- Attending the course of understanding the Prevention Methods and Essential Knowledge of Coronavirus (COVID-19) | Iranian Red Crescent Society. | 2020
- I have sent a commercial Idea (Business Plan) to Google. The project's name was GCA "Google Content Analysis", generally, this project was a business idea that considered gigantic database data on Google for analysis based on some parameters. For more information, I should say that everybody who has an online business could use the analyzed data to get helpful information about themselves or their competitors in any business field.

## Professional Certificates

---

- Supply Chain Logistics by Rutgers the State University of New Jersey taken by coursera.org. | 2021 ([View Certificate](#)).
- Computer Vision Basics by the University at Buffalo taken by coursera.org. | 2021. ([View Certificate](#)).
- Marketing Analytics by the University of Virginia taken by coursera.org. | 2020. ([View Certificate](#)).
- Introduction to HTML5 by the University of Michigan taken by coursera.org. | 2020. ([View Certificate](#)).
- Google Digital Garage: The Fundamentals of Digital Marketing. | 2020  
(Certificate ID: **MN4 W9B 4KR** – [Validation link](#)).

## Referees

---

- **Name:** [Dr. Kaveh Khalili-Damghani](#) (Associate Professor, Industrial Engineering).  
**Email:** k\_khalili@azad.ac.ir  
**Location:** Department of Industrial Engineering, Faculty of Industrial Engineering, South Tehran Branch, Islamic Azad University, Tehran, Iran.
- **Name:** [Dr. Hadi Mohammadi Bidhendi](#) (Associate Professor, Industrial Engineering).  
**Email:** h\_mohammadi@azad.ac.ir  
**Location:** Department of Industrial Engineering, Faculty of Industrial Engineering, South Tehran Branch, Islamic Azad University, Tehran, Iran.
- **Name:** [Dr. Meysam Rafei](#) (Assistant Professor General Economic).  
**Email:** m.rafei@khu.ac.ir  
**Location:** Department of General Economic, Allameh Tabataba'i University, Tehran, Iran.