Zahra Hossein Pour

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EDUCATION

2023- 2027	**Ph.D. in Industrial Engineering**
	Department of Industrial Engineering, University of Arkansas, Fayetteville, Arkansas, USA
	Start Date: 08/15/2023.
2009- 2012	**Master of Science (M.Sc.) in Industrial Engineering**
	Department of Engineering, Bu-Ali Sina University, Hamedan, Hamedan, Iran
	Thesis: "Solving the bi-objective product mix problem considering production outsourcing using Imperialist Competitive Algorithm and Genetic Algorithm". (Grade: A+)
2004- 2008	**Bachelor of Science (B.Sc.) in Industrial Engineering**
	Department of Engineering, Shomal University, Amol, Mazandaran, Iran
	Thesis: "Knowledge Management in Automotive Companies with a Case Study of Sapco Company". (Grade: A+)

RESEARCH INTERESTS

- Large Scale Optimization and Multi-Objective Integer Programming
- Operations Research
- Large Scale Mathematical Programming Models
- Data Science and Business Analytics
- Decision Making Under Uncertainty
- Simulation of Manufacturing Systems

PUBLICATIONS

- **Z. Hosseinpour**, M. Taghipour, J. Hassan Beigi, M. Mahboobi, "*The Problem Solving of Bi-objective Hybrid Production with the Possibility of Production Outsourcing through Imperialist Algorithm, NSGA-II, GAPSO Hybrid Algorithms*", Turkish Journal of Computer and Mathematics Education, February 2021.
- **Z. Hosseinpour**, AS. Kheirkhah, P. Fattahi, M. Taghipour, "*The Problem Solving of Bi-objective Hybrid Production with the Possibility of Production Outsourcing through Meta-Heuristic Algorithms*", ITSPOA Management, Vol. 4, December 2020, Pages 1-17.
- M. Taghipour, **Z. Hoseinpour**, M. Mahboobi, M. Shabrang, T. Lashkarian, "*Construction projects risk management by risk allocation approach using PMBOK standard*", Journal of Applied Environmental and Biological, Vol. 5, September 2015, Pages 323-329.
- S. Asgar Shamsi, **Z. Hoseinpour**, M. Moradi Lelehkaei, M. Taghipour, "*Monetary policies and Its Effect on the Total Stock Price Index of Tehran Stock Exchange by Self-Regression Method*", ITSPOA Management, Vol. 4, June 2021, Pages **36-56.**

CONFERENCES AND SEMINARS

- M. Taghipour, **Z. Hosseinpour**, R. Mahdijoo, S. Arzanloo, "Checking the Effects of Correlation on Profiles Monitoring of Multivariate Multiple Linear", 1st International Conference on Industrial Engineering, Management and Accounting, January 2016, Tehran, Iran.
- M. Taghipour, Z. Farshad, **Z. Hoseinpour**, M.Hoseinzadeh "*Management accounting with entrepreneurship approach*", in 1st International Conference on Management and Industrial Engineering, March 2015, Tehran, Iran.

TEACHING EXPERIENCE

2023 - 2024	**Teaching Assistant,** *University of Arkansas, Fayetteville, Arkansas, USA*
	Course: "systems engineering".

2015 - 2016	**Lecturer,** University of A.B.A, Abyek, Qazvin*, Iran*
	Course: "Applications of Computer in Industrial Engineering", "Planning of Repair and Maintenance", "Operation Research 1" and "Industrial Safety"
2009 - 2011	**Teaching Assistant,** *Bu-Ali Sina University, Hamedan, Iran*
	Course: "Operation Research 1", "Multi-Criteria Decision-Making" and "Statistical Methods"
	Supervisor: Dr. Parviz Fattahi.

PROFESSIONAL AND WORK EXPERIENCE

Aug 2023 - Present	**University of Arkansas,** AR, USA
	Senior Graduate Research Assistant
Sep 2015 - Aug 2023	**Shatel,** Tehran, Iran.
	Business Process Analyst Expert/ System and Method Expert
Jun 2015 - Sep 2015	**Ujeh Part Aria. (UPACO),** Tehran, Iran.
	Production Planning and Project Control Supervisor
Oct 2011 - Jun 2015	**HooramCO**
	Production Planning and Project Control Supervisor

ACCOMPLISHED PROJECTS

- "A Distance Queuing Model for The Location Problem and Emergency Device Segmentation", (Nov 2010)
- "A Hierarchical Location Model for Public Facilities Planning", (Sep 2010)
- "Strategic Planning in Small High-Tech Companies", (Aug 2010)
- "Scheduling and Overlap Production", (Jul 2010)
- "Optimal Arrival Rate in a Single-Class Queue", (Jun 2010)
- "Types of Nonparametric Tests and Their Applications", (May 2010)
- "The Overlapping Production Planning: A New Approach of Bounded Capacity Management", (May 2010)
- "The Work and Time Evaluating in SHIBE Sanitary Valves Production Company", (Apr 2006- Jul 2006)

CERTIFICATES

2019	**Agile Scrum,** Shatel Academy, Tehran, Iran.
2018	**Technology Management,** Shatel Academy, Tehran, Iran.
2017	**ITIL V3 Foundation** and **Visual Paradigm** and **Network+,** Shatel Academy, Tehran, Iran.
2015	**APQC Model,** Industrial Management Institute, Tehran, Iran.
2013	**ISO9001:2008 Internal Auditor Training Course,** IMQ Academy, Tehran, Iran.

HONORS AND AWARDS

2024	**Awarded AAIE Gary W. and Lana Taber Hunt Scholarship**
2023	**Awarded a Doctoral Academy Fellowship (DAF) by the University of Arkansas (for 4 years)**
2020-Present	**Reviewer**
	Flexible Services and Manufacturing Journal
	journal of quality in maintenance engineering
	International Journal of Computer Applications in Technology
2015-2016	**The Member of Program Committee**
	Industrial Engineering Department, University of A.B.A, Abyek, Qazvin, Iran.
2009	Ranked **among the top 2% of 100 students** who majored in Industrial Engineering in M.Sc., Bu-Ali Sina University, Hamedan, Iran
2008	**Completion of Undergraduate Course in 7 Semesters**
	Industrial Engineering Department, Shomal University, Mazandaran, Iran.

Technical and Computer Skills

Programming Languages: MATLAB, Python   **Process Design:** SharePoint, Visual Paradigm, BPMS

Project Planning: MSP, Primavera   **Analysis (Process and Data):** Minitab, SPSS