



Department of Industrial Engineering  
Faculty of Engineering  
University of Kashan  
6 Km, Ghotbravandi Blvd  
Kashan  
Iran

rezvan@kashanu.ac.ir  
taghi.rezvan@gmail.com  
Phone:+98- (31) 5591-2447  
Fax: +98 - (31) 5591-1121  
Website: <https://faculty.kashanu.ac.ir/rezvan/fa>

## Mohammad Taghi Rezvan

### Assistant Professor at University of Kashan

#### Education

- Sep 2009 – Oct 2014* **Isfahan University of Technology**  
Ph.D., Industrial Engineering  
Isfahan, Iran
- Sep 2005 – Jul 2007* **Isfahan University of Technology**  
M.Sc., Socio-economic systems engineering  
Isfahan, Iran
- Sep 2001 – Sep 2005* **Isfahan University of Technology**  
B.Sc, Industrial Engineering  
Isfahan, Iran

Title of Ph.D. Thesis

Development of classification models and extracting rules based on data type

Title of Master Thesis

Comparison between strategy tables and neural networks for decision making of agent's minority game

#### Research Experience

- Sep 2015 – present* **Assistant Professor**  
University of Kashan, Department of Industrial Engineering, Iran
- Sep 2009 – Sep 2015* **Researcher**  
Isfahan University of Technology, Department of Industrial Engineering  
Isfahan, Iran
- Lecturer**  
Isfahan University of Technology, Department of Industrial Engineering



Isfahan, Iran  
University of Isfahan, Department of Computer Engineering  
Isfahan, Iran

## **Awards & Grants**

*Sep 2005* Scholarship: Outstanding Bachelor of Science graduate (1/43)

## **Research Interests**

Optimization, Data Mining, Operation Research, Design and Analysis of System, Decision Science

## **Graduate Course**

- ✓ Operations Research
- ✓ Advanced Mathematical Programming
- ✓ Advanced Production and Operations Management

## **Under Graduate Course**

- ✓ Linear Algebra
- ✓ Operations Research (1)
- ✓ Operations Research (2)
- ✓ Transportation Planning
- ✓ Engineering Economy
- ✓ Motion and Time Study
- ✓ Accounting Principle
- ✓ Quality Management and Productivity

## **Invited reviewer for Journals**

### **International Journals**

- Transactions on Biomedical Engineering
- Journal of Cleaner Production
- IEEE Transactions on Systems, Man and Cybernetics Systems
- IEEE Transactions on Cybernetics
- Applied Mathematical Modelling

## Iranian Journals

- ✓ Journal of AI and Data Mining
- ✓ Journal of Energy Engineering & Management
- ✓ Journal of Modeling in Engineering
- ✓ Iranian Journal of Information Management
- ✓ Journal of Urban Economics

## Books

1. Afshin Shahlayi Moghadam, **Taghi Rezvan**: *Balanced Scorecard (Theory and Applications)*, 2011, Tehran, (In Persian).
2. Ali Zeinal Hamadani, Amin Shahsavar, **Mohammad Taghi Rezvan**: *Design and Analysis of Experiments (Theory and Applications)*, 2018, Isfahan University of Technology, (In Persian).

## International Journal Publications

1. Mostafa Abouei Ardakan, **Mohammad Taghi Rezvan**: *Multi-objective optimization of reliability-redundancy allocation problem with cold-standby strategy using NSGA-II*. Reliability Engineering & System Safety 2018; 172, pp. 225-238. DOI:10.1016/j.res.2017.12.019, (ISI Paper).
2. Hadi Mokhtari, **Mohammad Taghi Rezvan**: *A single-supplier, multi-buyer, multi-product VMI production-inventory system under partial backordering*. Operational Research 03/2017;, DOI:10.1007/s12351-017-0311-z, (ISI Paper).
3. **Mohammad Taghi Rezvan**, Ali Zeinal Hamadani, Babak Saffari, Ali Shalbazadeh: *A Combined Data Mining Approach Using Rough Set Theory and Case-Based Reasoning in Categorical Datasets*. Decision Science Letters 06/2014; 3(3):285–294., DOI:10.5267/j.dsl.2014.4.003.
4. **Mohammad Taghi Rezvan**, Ali Zeinal Hamadani, Seyed Reza Hejazi: *An Exact Feature Selection Algorithm Based on Rough Set Theory*. Complexity 03/2014; 20(5)., DOI:10.1002/cplx.21526, (ISI Paper).
5. Ali Zeinal Hamadani, Mostafa Abouei Ardakan, **Taghi Rezvan**, Mohammad Mehran Honarmandian: *Location-allocation problem for intra-transportation system in a big company by using meta-heuristic algorithm*. Socio-Economic Planning Sciences 12/2013; 47(4):309–317., DOI:10.1016/j.seps.2013.03.001, (ISI Paper).
6. **Mohammad Taghi Rezvan**, Ali Zeinal Hamadani, Ali Shalbazadeh: *Case-based reasoning for classification in the mixed data sets employing the compound distance methods*. Engineering Applications of Artificial Intelligence 10/2013; 26(9):2001–2009., DOI:10.1016/j.engappai.2013.07.014, (ISI Paper).
7. Mostafa Abouei Ardakan, Ali Hakimian **Mohammad Taghi Rezvan**: *A branch-and-bound algorithm for minimising the number of tardy jobs in a two-machine flow-shop problem with release dates*. International Journal of Computer Integrated Manufacturing 07/2013; 27(6)., DOI:10.1080/0951192X.2013.820349, (ISI Paper).

8. Mehdi Khashei, **Mohammad Taghi Rezvan**, Ali Zeinal Hamadani, Mehdi Bijari: *A bi-level neural-based fuzzy classification approach for credit scoring problems*. Complexity 07/2013; 18(6)., DOI:10.1002/cplx.21458, (ISI Paper).
9. Hadi Karimi Dehnavi, **Mohammad Taghi Rezvan**, Abdolmatin Shirmohammadli, Dirk valee: *A solution for urban road selection and construction problem using simulation and goal programming - Case study of the City of Isfahan*. Transport Policy 04/2013; 29., DOI:10.1016/j.tranpol.2013.04.003, (ISI Paper).
10. Ali Zeinal Hamadani, Ali Shalbazfzadeh, **Taghi Rezvan**, Afshin Shahlayi Moghadam: *An Integrated Genetic-Based Model of Naive Bayes Networks for Credit Scoring*. 01/2013; 4(1):85-103., DOI:10.5121/ijiaia.2013.4107.
11. Ali Arkan, **Taghi Rezvan**, Seyed Reza Hejazi: *Supply Chain Coordination for Minimization of Total Cost with Credit Period Approach*. International Journal of Operational Research 03/2011; 10(3):290-306., DOI:10.1504/IJOR.2011.038903.
12. **Taghi Rezvan**: *Enhancing agent's learning and decision making in minority game with neural networks*. World Journal of Modelling and Simulation 02/2010; 6(1):63-71.
13. Reza Seyed Hejazi, Ali Arkan, **Taghi Rezvan**: *Coordination mechanism for tow-level supply chain with one manufacturer and one buyer under credit period*. International Journal of Management Science and Engineering Management 4.1 (2009): 39-48.

### Iranian Journal Publications (In Persian)

1. **Mohammad Taghi Rezvan**, Mostafa Abouei Ardakan, Ali Zeinal Hamadani, Ali Akbar Bateni: *Investigation of the effective parameters causing stickers in cold rolling mill steel by knowledge discovery from process data*, Journal of Information Management, 3.6 (2017): 1-25.

### Conference Proceedings (In Persian)

1. Ali Shalbazfzadeh, **Taghi Rezvan**, Ali Zeinal Hamadani, Afshin Shahlayi Moghadam, Development of a hybrid classification model using genetic algorithm *Naive Bayes Networks for Credit Scoring*, 11th National intelligent systems Conference, 2013, Tehran, Iran.
2. Afshin Shahlayi Moghadam, Ali Shalbazfzadeh, Taher Ahmadi, **Taghi Rezvan**, Customers' credit card validation using genetic algorithm, 6th International Industrial Engineering Conference (IIEC 2009), 2009, Tehran, Iran.
3. Ghasem Moslehi, Davood Shishebori, **Taghi Rezvan**, A combined model for optimal production and allocation of products to existing facilities by considering the time value of money, 5th International Industrial Engineering Conference (IIEC 2008), 2008, Tehran, Iran.
4. **Taghi Rezvan**, Afshin Shahlayi Moghadam, Seyed Reza Hejazi, A fuzzy approach based on the concept of ELECTEREI for the evaluation and selection of contractors, 3th International Project Management Conference, 2008, Tehran, Iran.
5. Behruz Arbab-Shirani, Afshin Shahlayi Moghadam, **Taghi Rezvan**, Investigating the Challenges of Knowledge Management Systems in Organizations' Research and Development Units, 6th

National Congress of Research and development centers for industries and mines, 2008, Tehran, Iran.

6. **Taghi Rezvan**, Morteza rasti Barzoki, Behruz Arbab-Shirani, Organization simulation based on the organization's Balanced scorecard for examining different scenarios, 4th International Management Conference, 2007, Tehran, Iran.
7. Hadi Karimi Dehnavi, **Taghi Rezvan**, Meysam Akbarzadeh, Prioritization of construction of proposed passages of Isfahan Scenery Plan based on traffic and environmental criteria using Analytic Hierarchy Process method, 8th International Congress of Civil Engineering, 2010, Shiraz, Iran.
8. **Taghi Rezvan**, Khashayar Jahanian, Keivan Asghari, Study and Implementation and Application of Knowledge Management in Oil, Gas and Petrochemical Industries of the World, 5th National Congress of Research and development centers for industries and mines, 2007, Tehran, Iran.

## Language Skills

Persian, English