



## **Curriculum Vitae**

**Mohammad S. Owlia**

Professor of Industrial Engineering  
Yazd University

### **1. Personal Information:**

Name: **Mohammad Saleh**

Surname: **Owlia**

Date of Birth: Jan 4, 1965

Address: Industrial Engineering Department, Yazd University, PO Box 89195-741, Yazd, Iran

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### **2. Education:**

<u>Name of Institution</u>	<u>Degree</u>	<u>Date of Graduation</u>
Zargaran High School	Diploma (Math-Phy.)	1983
Sharif University of Technology	B.Sc. (Industrial Eng.)	1987
Sharif University of Technology	M.Sc. (Industrial Eng.)	1990
University of Birmingham, UK	Ph.D. (Quality Control/ Management)	1996

### **3. Academic/Work Experience**

- Researcher, JDI Institute, Quality Control Group, Sharif University of Technology (1987-1990)
- Lecturer, Yazd University, Department of Industrial Engineering (1990-93 & 1996- )
- Director of University-Industry Relations Office (1992-1993)
- Founder/ Managing Director/ Member of Board of Directors, SATCO Engineering & Management Consulting Company (1996- )
- Head of Industrial Engineering Department (1996- 1999)
- Deputy of Research, Faculty of Engineering (1998-2000)
- Dean, Faculty of Engineering (2000-2002)
- President, Yazd Science & Technology Park (2002-2007)
- President of West Asia Division, International Association of Science Parks (IASP) (Sept. 2006-2008)
- President, Javad University College (2008-2014)
- President, Yazd University (2014-2019)
- Deputy Minister for Research and Human Resources, Ministry of Energy (2019- 2021)

### **4. Honors:**

- Outstanding Faculty Member of Yazd University in 2000
- Second Best Researcher of Yazd University in 2001
- Promotion as Associate Professor in 2000
- Invited member of Iranian Academy of Science, Group of Engineering Science
- Selected as the Top 50 Graduates of Sharif University of Technology
- Promotion as Full Professor in 2017
- Iranian Exemplary Professors Award, 2020

### **5. Teaching / Research Interests:**

Quality Engineering/ Management

## 6. Publications:

### Persian:

#### Books:

1. Moghaddas, S.M. & Owlia, M.S. (1991) Quality Control: Systems, Organization, and Statistical Methods, Tehran, JDI Press.
2. Owlia, M.S. (1992) Probability and Statistics in Engineering and Management Science (Translated), Yazd, University of Yazd Press.
3. Owlia, M.S. & Amin, M. (1999) An Introduction to Suggestion Systems, Tehran, Basir Publishing.
4. Owlia, M.S. & Akhavan, A. (2009) Strategic Planning Workbook (Translated), Yazd, JDI Publications.
5. Owlia, Modarresi, Behjat, & Shahvazian (2010) Performance Measurement Systems, Nas Publishing, Tehran.
6. Owlia & Shishehbori (2011) An Introduction to Quality Management, Yazd University Press, Yazd.

#### Journal Papers:

1. Owlia, M.S. (1993) Quality and National Production, Majallay-e Sanaye (Journal of Industry), 1(4), pp. 21-24.
2. Owlia, M.S. (1996) Quality Management in Education -An Industrial Approach, Danesh-e Modiriati (Management Science), No. 31 & 32, pp. 61-66.
3. Owlia, M.S. (1999) Total Quality Management and Its Role in Higher Education, Research & Planning in Higher Education, No. 18, pp. 27-48.
4. Dehghani, M., Owlia, M.S., Kiani, B. & Noghondarian, K. (2009) Analysis of EFQM Using System Dynamics, Management Science Quarterly, 3(12), pp. 65-82.
5. Owlia, M.S. & Mirghafoori, S.H., Shahvazian, S., (2011) Developing Strategy Map using ISM Approach, Journal of Business Management Research, 2(4), pp. 92-106.
6. Mirfakhradini, S.H., Owlia, M.S. & Jamali, R. (2010) Re-engineering of Quality Management in Higher Education Institutions, Research and Planning in Higher Education, 53, pp. 131-157.
7. Zare, M.R.; Owlia, M.S. (2011) Application of Industrial Engineering Courses in the Empowerment of Industry Managers, Iranain Journal of Engineering Education, 13(49), pp. 71-88.
8. Ranjbarian, B.; Owlia, M.S.; fatema Daneshian, F. (2011) Network Analysis of Strategic Marketing Actions and Quality Function Deployment, Journal of New Marketing Research, 1(3), pp. 165-192.
9. Zare, M.R.; Owlia, M.S. (2011) Scientific Status of Iran: Case Study of Industrial Engineering Research (based on articles indexed in international scientific databases), Iranain Journal of Engineering Education, 13(50), pp. 105-122.
10. Zare Mehrjerdi Y, Owlia M S, Tanha A. (2012) Evaluation and Ranking the Relative Importance of Design Requirements by Combining QFD and DEA Techniques (Case Study: Tile Industry of Iran), IJIEPM, 23 (2), pp. 175-186.
11. Owlia, M.S.; Zare, Y.; Behmanesh (2012) Prioritizing Improvable Human Capital Processes in Esfahan Oil Refinery Company Based on PCF and by IPA approach, Production and Operations Management, 3(1), pp. 41-68.
12. Akhavan, A.; Owlia, M.S.; Jafari, M.; Zare, Y. (2012) Knowledge Management Strategies Critical Success Factors Practices and Universities Performance, Iranian Journal of Management Sciences, 7(27), pp. 115-146.
13. Akhavan, A.; Owlia, M.S. ; Zare, Y.; Jafari, M (2013) Effect of Organizational Enablers and Knowledge Management Practices on University Performance, Research on Education Systems, 7(20), pp. 53-77.
14. Rashedi H.; Owlia M.S.; Hoseininasab H.; Zaremehrjerdi Y. (2013) Application of RCM to Enhance the Efficiency and Effectiveness of Maintenance Process (Case Study: Oil And Gas Production, South Zagros Company of Iran, Sharif Journal (Industrial Engineering and Management), 28-1(2), pp. 133-140.
15. Akhavan, A. & Owlia, M.S. (2013) The Impacts of Knowledge Management Strategy on Knowledge Management Processes in Iranian Governmental Universities, Iranian Journal of Management Sciences, 8(31), pp. 87-104.

16. Zare M. R.; Owlia M.S.; Montazeri N. (2013) Forecasting the Trend of Industrial Engineering Research Using Time Series Analysis, *Sharif Journal of Industrial Engineering and Management*, 29-1(1), pp. 87-100.
17. Owlia, M.S.; Dehghani, M. (2014) Analysis of Knowledge Management Effectiveness on Business Excellence Using System Dynamics, *Production and Operations Management*, 5(1), pp. 39-52.
18. Zare, M.R.; Vahdatzad, M.A.; Owlia, M.S.; Lotfi, M.M. (2015) The Survey of University Rankings: a Critical Approach, *Iranain Journal of Engineering Education*, 17(65), pp. 95-132.
19. Owlia, M. S.; Shakouhi, F.; Mehrjerdi, Y. Z.; Nezhad, M. S. F. (2016) Application of Design for Six Sigma to Optimize Mixed-Content Parameters in Cellular Lightweight Concrete, *Sharif Journal of Industrial Engineering and Management*, 31.1(2.1), pp. 125-133.
20. Owlia, M. S.; Amiri, A.; Doroudyan, M.H.; Asgari, A. (2016) Monitoring Binomial Response Variable based on Generalized Linear Models in Two Stage Processes, *Sharif Journal of Industrial Engineering and Management*, 31.1(2.2), pp. 61-71.
21. Zare, M.R.; Vahdatzad, M.A.; Owlia, M.S.; Lotfi, M.M. (2016) Development of Criteria for the Ranking of Iranian Universities from Upstream Mandates Viewpoint, *Science and Technology Policy*, 8(3), pp. 55-87.
22. Sayani, N.; Owlia, M.S. (2017) Optimization of Service Quality Using Hybrid SERVQUAL QFD and Goal Programming, *Sharif Journal of Industrial Engineering and Management*, 32.1(2.2), pp. 57-63.
23. Sarpanahi, E., Owlia, M.S., Lotfi, M. (2018). Budgeting For The Departments Of A University Using Dea And Goal Programming (Case Study: Yazd University), *Sharif Journal of Industrial Engineering & Management*, 34.1(1.2), pp. 117-127. doi: 10.24200/j65.2018.5614.
24. Yazdimoghaddam, J., Owlia, M.S., Bandarian R. (2019) Identifying And Prioritizing Technology Commercialization Success Factors Using Fuzzy Delphi And Analytic Network Process, *Sharif Journal of Industrial Engineering and Management*, 34.1(2.2), pp. 89-106.
25. Owlia, M.S., Salimi, N., Behnam, E. (2019). Providing a Model for Measuring Structural Capital in Organizations (Case Study: Yazd Railway Organization), *Journal of Transportation Research*, 16(1), pp. 347-357.
26. Bidgoli, D., Owlia, M. S., Isaai, M., Abooie, M. (2020). Influence Of Customer Knowledge And Knowledge Investments On Corporate Performance-Case Study Of Information Technology Industry, *Sharif Journal of Industrial Engineering & Management*, 35.1(2.2), pp. 165-178. doi: 10.24200/j65.2019.52133.1936.
27. Bidgoli S D, Owlia M S, Isaai M T, abooie M H. (2020) Modeling the Impact of Customer Knowledge on New Product Development and Performance-System Dynamics Approach. *Iranian Journal of Information Processing and Management*, 36 (1), pp. 155-180.
28. Bidgoli, S., Owlia, M.S., Isaai, M., Abooie, M. (2020) Designing a Model for the Impact of Customer Knowledge on the Corporation Performance using the Grounded Theory Approach, *New Marketing Research Journal*, 10(2), pp. 63-84. doi: 10.22108/nmrj.2020.119377.1894.
29. Zare Mehrjerdi, Y., Rezaei Sardabadi, M., Owlia, M.S., Vahdatzad, M. (2022) Agent based simulation of Iranian electricity market Based on risk averse learning agents using reinforcement learning and conditional value at risk (Case study: Yazd province electricity market), *Sharif Journal of Industrial Engineering & Management*, (), pp. -. doi: 10.24200/j65.2021.56143.2137.

#### Conference Papers:

1. Owlia, M.S. & Aarabi, M.H. (1998) Application of QFD for the Improvement of Quality in Food Industry, *First International Conference on Quality Management*, Tehran.
2. Owlia, M.S. & Amin, M. (2000) Suggestion System- the First Step to TQM Implementation, *Second Quality Management Conference*, Tehran.
3. Sadeghiah, A. & Owlia, M.S. (2001) Comparison of Energy Consumption in Electric & Gasoline Vehicles, *Third National Energy Conference*, Tehran.
4. Owlia, M.S. & Sohelinia, A. & Khakzar, M. (2001) Study of Quality Management Systems Implementation in Iranian Companies, *Second National Standards Development Conference*, Tehran.
5. Owlia, M.S. & Mehdipour, A.A. (2001) Quality Costs and their Role in Continuous Improvement, *Second National Standards Development Conference*, Tehran.
6. Owlia, M.S. & Ayatollahi, A. & Tabatabaei, S.M. (2001) Application of QFD for the Improvement of Worsted Fabrics Quality, *First Textiles Management Conference*, Tehran.

7. Sharafat, H.R. & Owlia, M.S. (2002) Study of Quality Control Situation in Yazd Textile Industry, Fourth National Textiles Engineering Conference, Tehran.
8. Sharafat, H.R. & Owlia, M.S. (2002) Application of Taguchi Techniques to Optimize Formula, Fourth National Textiles Engineering Conference, Tehran.
9. Akhavan, A. & Syrous, K.M. & Owlia, M.S. (2002) Implementation of an Strategic Planning Model for Universities, Second National Industrial Engineering Conference, Yazd.
10. Owlia, M.S. & Khakzar, M. & Amin, M. (2003) Evaluation of Employee Satisfaction and Participation at Yazd University, Second National Industrial Engineering Conference, Yazd.
11. Vahdat, M.A. & Owlia, M.S. (2003) Role of IT in the Development of Universities, Conference of University Chancellors, Tehran.
12. Owlia, M.S. & Ekhtiyari, E. (2003) Selection of Scale in the Development of Science & Technology Parks, First National Workshop on Science & Technology Parks and Incubators, Isfahan.
13. Owlia, M.S. & Sharafat, A. (2003) Determination of Industrial Research Priorities Using Industry Problems Analysis, Industry -Training-Research & University Conference, Shiraz.
14. Owlia, M.S., Amin, M., Khakzar, M. (2005) Application of Quality Awards for the Assessment of Universities, 2nd International Management Conference, Tehran.
15. Owlia, M.S., Amin, M., Khakzar, M. (2005) Design of A Performance Appraisal System for Research Centers, Higher Education and Sustainable Development Conference, Tehran.
16. Ekhtiyari, E., Owlia, M.S., Shookuhi, S. (2005) A Model for VC Services in STPs, 2nd Iranian Conference on Science Parks and Incubators, Mashad.
17. Owlia, M.S., Modarresi, S.N. (2005) A Review of Performance Assessment Models for Universities, 2nd Performance Management Conference, Tehran.
18. Shookuhi, S., Owlia, M.S., Ekhtiyari, E. (2005) A Model for Innovation Centers in Iran, 5th Research & Development Conference, Tehran.
19. Bakhshi, M. & Owlia, M.S. (2006) Application of Six-Sigma in Software Development, International Conference on Problem Solving, Tehran.
20. Davoodi-nezhad, R. & Owlia, M.S. (2006) Implementation of Cost-Based FMEA in an Iranian Refinery Complex, International Conference on Problem Solving, Tehran.
21. Alanchari, N.; Owlia, M.S.; & Khodadadeh, Y. (2006) Study the Effects of Customer Requirements on Industrial Design- Case of Ceramics Industry, International Conference on Problem Solving, Tehran.
22. Zarei, M.; Khademi-Zare, H.; Owlia, M.S.; & Sadeghiah, A. (2007) Prioritization of Strategic Plans of Customer-oriented Organizations Using Fuzzy-QFD, 5th Iranian Industrial Engineering Conference, Tehran.
23. Dehghani Saryazdi, M; Hosseini Ezzabadi, J.; & Owlia, M.S. (2007) Evaluation and Prioritization of EFQM Improvement Projects using AHP Technique, 5th Iranian Industrial Engineering Conference, Tehran.
24. Shahvazian, S; Owlia, M.S.; Mirghafoori, S.H. (2008) Design of Performance Measurement Model Using BSC with MADM Approach, 6th International Management Conference, Tehran.
25. Dehghani-Saryazdi, M.; Owlia, M.S.; Kiani, B.; Noghondarian, K. (2008) Analysis of EFQM Excellence Model Using System Dynamics, 6th International Management Conference, Tehran.
26. Shafiei, M.; Owlia, M.S. (2009) Analysis and Application of Kano Model for Customer Satisfaction, International Marketing Management Conference, Tehran.
27. Zarei, M.; Owlia, M.S. (2009) Role of IT in Knowledge Management Implementation, 5th International ICT Management, Tehran.
28. Akhavan, A.; Owlia, M.S. (2009) Design and Implementation of Knowledge Management in Service Sector, 5th International ICT Management, Tehran.
29. Esfidani, A.; Owlia, M.S.; Zare, Y. (2009) Assessment of Critical Success Factors for TQM Using AHP, 6th International Industrial Engineering Conference, Tehran.
30. Khademi-Zare, H.; Zarei, M.; Owlia, M.S. (2009) Customer Orientation for Mobile Operators Using AHP-QFD and Fuzzy Variables, 6th International Industrial Engineering Conference, Tehran.

### **English:**

#### Journal Papers:

1. Owlia, M.S. & Aspinwall, E.M. (1996) "Quality in Higher Education, A Survey", Total Quality Management, 7(2), pp. 161-171.

2. Owlia, M.S.& Aspinwall, E.M. (1996) "A Framework for the Dimensions of Quality in Higher Education", *Quality Assurance in Education*, 4(2), pp. 12-20.
3. Owlia, M.S.& Aspinwall, E.M.(1997), "TQM in Higher Education, A Review" *International Journal of Quality and Reliability Management*, 14(5), pp. 527-543.
4. Owlia, M.S. & Aspinwall, E.M.(1998), Application of QFD for the Improvement of Quality in an Engineering Department, *European Journal of Engineering Education*, 23(1), pp. 105-115.
5. Owlia, M.S.& Aspinwall, E.M.(1998), A Framework for Measuring Quality in Engineering Education, *Total Quality Management*, 9(6), pp. 501-518.
6. Owlia M.S., Shookuhi, S. & Ekhtiyari E. (2008) Innovation Center: A Climate for Attracting and Developing Creativity, *Journal of Asia Entrepreneurship and Sustainability*, 4(1), pp. 38-54.
7. Dastkhan, H. & Owlia, M.S.(2009) Study of Trends and Perspectives of Industrial Engineering Research, *South African Journal of Industrial Engineering*, 20(1), pp. 1-12.
8. Fallah-Nezhad,S. & Owlia, M.S. (2010) A Cumulative Binomial Chart for Uni-Variate Process Control, *Scientia Iranica*, 17(2), pp. 111-119.
9. Owlia, M.S. (2010) A Framework for Quality Dimensions of Knowledge Management Systems, *Total Quality Management & Buisness Excellence*, 21(11), pp. 1215 - 1228.
10. Khademi-Zare, H.; Zarei, M.; Sadeghieh, A. & Owlia, M.S. (2010) Ranking the Strategic Actions of Iran Mobile Cellular Telecommunication Using Two Models Of Fuzzy QFD, *Telecommunications Policy*, 34, pp. 747–759.
11. Abooie, M. H.;Owlia, M. S.& Dehestani Ardakani, F.(2010) Investigation on Effectiveness of Suggestion System Settlement in Yazd Gas Companyand Method Offered for Developing Improvement, *Australian Journal of Basic and Applied Sciences*, 4(12), pp. 6424-6432.
12. Oliya, E., Owlia, M.S., Dehdashti Shahrokh, Z. and Olfat, L. (2012), Improving marketing process using Six Sigma techniques (case of Saman Bank), *International Journal of Lean Six Sigma*, 3(1), pp. 59 – 73.
13. Kabiri Naeini, M.;Owlia, M.S.& Fallahnezhad, M.S.(2012) A Bayesian Approach for Recognition of Control Chart Patterns, *International Journal of Industrial Engineering & Production Research*, 23(3), pp. 223-230.
14. Dastkhan, H. & Owlia, M.S. (2014) What Are the Right Policies for Electricity Supply in Middle East? A Regional Dynamic Integrated Electricity Model for the Province of Yazd in Iran, *Renewable & Sustainable Energy Reviews*, 33, pp. 254–267.
15. Rahimi, S.; Fallahnezhad, M.S.; Owlia, M.S. & Abooie, M.H. (2014) Investigation of Customer Priorities for Machine Made Carpet Through Conjoint and Cluster Analysis (Case Study in Yazd, Iran), *International Journal of Business and Development Studies*, 6(1), pp.83-98.
16. Abdoli Yazdi, N.; Ganjouyi, F.A.; Pouyanfard, A.; Owlia, M.S. (2014) Designing Model of Educational Services Quality in Physical Education Faculties, *International Journal of Sport Studies*, 4 (10), pp. 1223-1229.
17. Owlia , M.S., Fallah Nezhad , M.S., & Sheikh Sajadiieh , M. (2015) A New Method for Process Control based on Goodness of Fit Tests, *International Journal of Quality & Reliability Management*, 32(2), pp.132-143.
18. Sorayanezhad Morabi, Z., Owlia, M.S., Bashiri, M., & Doroudyan, M.H. (2015) Multi-objective design of X-bar control charts with fuzzy process parameters using the hybrid epsilon constraint PSO, *Applied Soft Computing*, 30, pp. 390–399.
19. Kabiri naeini, M., Owlia, M.S., & Fallahnejad, M.S. (2015) A New Statistical Approach for Recognizing and Classifying Patterns of X-bar Control Charts, *International Journal of Engineering (TRANSACTIONS A: Basics)*, 28(7), pp. 1051-1060.
20. Fallah-Nezhad, M.S., Yousefi-Babadi, A., Owlia, M.S. & Mostafaiepour, A. (2015) A Recursive Approach for lot Sentencing Problem in the Presence of Inspection Errors, *Communications in Statistics - Simulation and Computation*, Accepted for Publication.
21. Hosseini, M. & Owlia, M.S. (2016) Designing a Model for Measuring and Analyzing the Relational Capital using Factor Analysis. Case Study: Ansar Bank, *Journal of Intellectual Capital*, 17 (4), 734-757.
22. Zahmatkesh Saredorahi, F, Owlia, M.S., Vahdat Zad, M.A. & Fallah Nezhad, M.S. (2016) Design of economically and statistically optimal sampling plans, *Hacettepe University Bulletin of Natural Sciences and Engineering Series B: Mathematics and Statistics*, 46(140):1-1.
23. Fallah-Nezhad, M.S., Yousefi-Babadi, A., Owlia, M.S. & Mostafaiepour, A. (2017) A Recursive Approach for lot Sentencing Problem in the Presence of Inspection Errors, *Communications in Statistics - Simulation and Computation*, 46(3), pp. 2376-2392.

24. Doroudyan, Owlia, Sadeghi, Amiri (2017) Monitoring financial processes with ARMA-GARCH model based on Shewhart control chart (Case study: Tehran Stock Exchange), *International Journal of engineering*, 30(2), pp. 270-280.
25. FallahNezhad, JafariNodoushan, Owlia, Abooie (2017) Designing an Economic Repetitive Sampling Plan in the Presence of Two Markets, *International Journal of Engineering*, 30 (7), pp. 1017-1028.
26. Doroudyan, Owlia, Amiri, Sadeghi (2017) The effect of parameter estimation on Phase II control chart performance in monitoring financial GARCH processes with contaminated data, *Journal of Industrial and Systems Engineering (JISE)*, Vol. 10, special issue on Quality Control and Reliability, pp. 93-108.
27. Khosravi, Owlia, Fallahnezhad, Amiri (2018) Phase I risk-adjusted control chart for surgical data with ordinal outputs, *Communications in Statistics – Theory and Methods*, 47 (18), pp. 4422-4432.
28. Zare, Vahdatzad, Owlia, Lotfi (2018) Ranking Iranian Universities: An Interpretative Structural Modeling Approach, *Scientometrics*, 117, pp. 1493–1512.
29. YazdiMoghaddam, Owlia, Bandarian (2018) Developing a Fuzzy Expert System to Predict Technology Commercialization Success, *Journal of Industrial and Systems Engineering*, 11(2), pp. 228-250.
30. YazdiMoghaddam, Owlia, Bandarian (2019) Development of a model for assessing technology commercialisation success, *International Journal of Business Innovation and Research*, 19(3), pp. 324-357.
31. Roshani, Owlia, Abooie (2019) A research note on the article of “Quality framework in education through application of interpretive structural modeling”, *The TQM Journal*, 31(1), pp. 3-10.
32. Moosavi, Owlia, Khalifeh (2019) A new method for phase II monitoring of multivariate simple linear profiles, *arXiv preprint arXiv:1911.03971*.
33. Roshani, Mojallal, Owlia (2020) A content analysis approach toward the human capital components: the state-of-the-art, *Int. J. Modelling in Operations Management*, 8(2), pp. 127-160.
34. Owlia, Roshani, Abooie (2020) Interpretive Structural Modeling (ISM) of Intellectual Capital Components, *Journal of Industrial Engineering, International*, 16(4), pp. 41-56.
35. Mostafaiepour, A., Shakeriravesh, M., Naderpour, M. and Owlia, M.S. (2020) A new conceptual model for CO2 reduction in hot and dry urban areas: a case study of Mashhad in Iran, *Int. J. Global Warming*, 21 (4), pp.325–355.
36. Mojallal, Owlia, Roshani (2020) The development and validation of human capital measurement model using factor analysis, case study: Agriculture Bank, *International Journal of Learning and Intellectual Capital*, 2020, 17 (4), pp.346 – 366.
37. Motalebi, Owlia, Amiri, Fallahnezhad (2021) Monitoring social networks based on Zero-inflated Poisson regression model, *Communications in Statistics - Theory and Methods*, DOI: 10.1080/03610926.2021.1945103.
38. Owlia, M., Roshani, K., Abooie, M. (2021) Analysis of interaction among the intellectual capital components using interpretive structural modeling and MICMAC approach, *Journal of Industrial Engineering and Management Studies*, (), pp. 1-26.
39. Alikhani, Vahdat, Owlia (2021) Efficacy of energy consumption policy in Iranian National Gas Company: System dynamics approach, *Energy & Environment*, doi:10.1177/0958305X211038650.
40. Bidgoli, Seyed Danial; Owlia, Mohammad Saleh; Isaai, Mohammad Taghi (2021) The Impact of Customer Knowledge on the Organizational Performance- A System Dynamics Approach, *Kybernetes*, doi.org/10.1108/K-01-2021-0084.

#### Conference Papers:

1. Owlia, M.S. & Aspinwall, E.M. (1996), A Customer - Oriented Approach to Quality in Higher Education, Re-engineering for World -Class Manufacturing Conference, Ireland.
2. Owlia, M.S. & Aspinwall, E.M. (1996), A Model for the Measurement and Improvement of Quality in Engineering Education, *Advances in Industrial Engineering Applications and Practice Conference*, US.
3. Owlia, M.S. & Mojtahed-zadeh, M.T. (2000) In Search for the Improvement of the Efficiency of University Graduates in Iran, 18th International System Dynamics Conference, Norway.
4. Kalantar S.M., Owlia M.S., & Ekhtiyari E. (2004) Introducing a Network Model for Creating Business Incubators, IASP XXI World Conference, Italy.

5. Owlia M.S., Shookuhi, S. & Ekhtiyari E. (2006) A Model for Venture Capital Services to Iranian Technology-based SMEs, Asia Conference on Technology Transfer, Korea.
6. Khodadadeh, Y, Alanchari, N. & Owlia, M.S. (2007) Study of the Effect of Customer Requirements and Preferences: Case study of Ceramics Tea Pot, IASDR 2007 Emerging Trends in Design Research Conference, Hong Kong.
7. Poursarrajian, D., Owlia, M.S., Hassan Rezaean, M., & Ghavidel M. (2007) The Role of STP's in Performing Financial Policies of Governments to Support Innovation Clusters, Asian Alliance for Technological Innovation and Regional Development (ASPA-IASP Joint Conference), Korea.
8. Shahvazian, S. & Owlia, M.S. (2008) Designing Strategy Map with Interpretive Structural Modeling Case Study – Yazd Baspar Manufacturing Group, Integrating for Excellence 4th International Conference, UK.
9. Sharafat, H.R. & Owlia, M.S. (2008) Application Of Taguchi Method In Improvement Of Sizing Composition, International Textile Clothing & Design Conference, Dubrovnik –Croatia.
10. Akhbari Varkani, M. & Owlia, M.S. (2009) Using A Supply And Demand Model To Analyze The Current Situation Of Knowledge Management Programs In Iran, The 6th International Conference on Knowledge Management, Hong Kong.
11. Shookuhi, Poursarajian, Owlia, Zakerzadeh (2009), Implementing QFD in STPs, ASPA-IASP Conference, Taiwan.
12. Vafaei, Owlia, Vahdat, Vafaei (2010) Procurement Management Challenges in Gas Projects of Iran, International Conference on Industrial Engineering and Operations Management (IEOM2010), Bangladesh.
13. Owlia, M.S., Moobed, M. (2010) A KM-based Model for Innovation Management, 7th International Industrial Engineering Conference, October 6-7, Isfahan, Iran.
14. Owlia, M.S., Moobed, M.; Shokoohi, S. (2010) A KM-based Model for Innovation Management in STPs, IASP- ASPA Joint Conference, 24th-26th November, Perth, Australia.
15. Vahdat, M.A.; Owlia, M.S.; Khosravi, S.; Kamali, K.; Shakhsi Niaei, M. (2010) The mutual role of Universities and Technology Parks in Technology Development, IASP- ASPA Joint Conference, 24th-26th November, Perth, Australia.
16. Vafaei, M.; Fatemeh Shakeri, F.; and Owlia, M.S. (2011) Study of innovativeness factors in Iranian automotive industry, International Conference on Industrial Engineering and Operations Management, Kuala Lumpur, Malaysia, 22 – 24 January.
17. Zare Mehrjerdi, Y.; Owlia, M. S.; Behmanesh, R.; and Taheri, M. (2011) Prioritizing Improvable Human Resources Management Processes Based Upon the Process Classification Framework Using IPA Approach, IEEE International Conference on Quality and Reliability, 14-17 September, Bangkok, Thailand.
18. Kabiri Naeini, M.; Owlia, M. S.; and Fallahnezhad, M. S. (2011) A New Statistical Method for Recognition of Control Chart Patterns, IEEE International Conference on Quality and Reliability, 14-17 September, Bangkok, Thailand.
19. Akhavan, A.; Owlia, M.S.; Jafari, M.; and Zare, Y. (2011) A Model for Linking Knowledge Management Strategies, Critical Success Factors, Knowledge Management Practices and Organizational Performance; the case of Iranian Universities, The IEEE International Conference on Industrial Engineering and Engineering Management, 6-9 December, Singapore.
20. Montazeri, M., Owlia, M.S., Kamalzadeh, M. (2011) Optimal Selection of Location for Distributed Generations to Ensure a Competitive Advantage Using Fuzzy Analytical Network Process, The IEEE International Conference on Industrial Engineering and Engineering Management, 6-9 December, Singapore.
21. Dehghani Saryazdi, M., Noghondarian, K., Owlia, M.S., and Hosseini Azabadi, J. (2011) System Dynamics Modeling for EFQM Excellence Model: Case Study of a Regional Electricity Company in Iran, The IEEE International Conference on Industrial Engineering and Engineering Management, 6-9 December, Singapore.
22. Hosseini Azabadi, J; Noorossana, R; Jafari, M; Owlia, M.S.; and Dehghani Saryazdi, M., Knowledge Management Analysis: A System Dynamics Approach, International Conference on Innovation and Information Management (ICIIM 2012), January 7-8, 2012, Chengdu, China.
23. Owlia, M.S. & Dastkhan, H., An Application of System Dynamics in Electricity Supply Systems: Case of Yazd Regional Electricity Company in Iran, 30 th International Conference of the System Dynamics Society, July 22-26 2012, St. Gallen, Switzerland.
24. Dehghani Saryazdi, M.; Owlia, M.S.; and Hosseini Azabadi, J.; A System Dynamics Approach for Knowledge Management and Business Excellence: An Application in Iran, 30 th International Conference of the System Dynamics Society, July 22-26 2012, St. Gallen, Switzerland.

25. Owlia, M.S. and Moslemini A.; Analysis of Effectiveness Factors for Engineering Graduates in Iran Using System Dynamics Approach: Case of Industrial Engineering, International Conference on Industrial Engineering and Operations Management, July 3 – 6, 2012, Istanbul, Turkey.
26. Hoboubati, M., Vahdatzad, M.A., Owlia, M.S. and Hoseininasab, H.; Performance Evaluation of Digital Strategy in IRIB-Yazd using the Balanced Scorecard Model, International Conference on Industrial Engineering and Operations Management, July 3 – 6 2012, Istanbul, Turkey.
27. Dastkhan, H. and Owlia, M.S.; The Analysis of Environmental Policies in Electricity Generation: An Empirical Study from Yazd Regional Electricity Company in Iran, International Conference on Industrial Engineering and Operations Management, July 3 – 6 2012, Istanbul, Turkey.
28. Abbosedgh, S., Owlia, M.S. & Zare M.R.; Text Mining Application in the Survey of Industrial Engineering Literature, 10th International Management Conference, 29 Nov. 2012, Tehran.
29. Shakouhi, F. & Owlia, M.S., Design for the House of Competitiveness: The Marriage of Agile Manufacturing, Design for Six Sigma, Robust Design and Lean Manufacturing with Quality Considerations, First International Quality Engineering Conference, Dec 3-4 2012, Tehran.
30. Moslemini, A., Owlia, M.S., & Gholami, K.; Applying System Dynamics to Simulate Iran's Engineering Post Graduates Employment Status, 31st International Conference of the System Dynamics Society, July 21-25 2013, Cambridge, Massachusetts, USA.
31. Bidgoli, Owlia, The impact of customer knowledge on corporation performance, Thirty-sixth International System Dynamics Conference, Reykjavík, Iceland, August 6-10, 2018.

### **7. Workshops presented:**

- Statistical Quality Control
- Total Quality Management
- Quality Costing
- Productivity Measurement and Improvement
- Problem Solving Techniques
- Research Methods
- Participative Management and Suggestion System

### **8. Editorial Board Memberships:**

- Journal of Industrial Engineering Research in Production Systems
- Journal of Production and Operations Management
- New Marketing Research Journal
- Technology Development (Roshd-e-Fanavari)