

CV

1. Personal Data:

Name: Morteza

Family name: Bagherpour

Place and date of birth: Shiraz, Iran, Feb 1981

Marital status: Married,

Email: morteza.bagherpour@antalya.edu.tr

2. Degrees

- Doctor of Philosophy (PhD.) in Industrial Engineering, Iran University of Science and Technology, Tehran, Iran, 2005-2008. (World university ranking: 430), GPA: 18.33 out of 20
- Masters of socioeconomics systems, Mazandaran University of Science and Technology, Babol, Iran, 2003-2005. (GPA: 18.68 out of 20)
- Bachelors of Industrial Engineering, Shiraz IA University, Shiraz, Iran, 1999-2003.

3. Employment

- *Current employment:* Department of Industrial engineering, Antalya University, Antalya, Turkey. (2023-Now)
- Department of project management and productivity, Iran University of Science and Technology, Tehran, Iran, 2009-2023, IUST. (Top 500 university)
- Senior lecturer, University of Pretoria, South Africa, 2015.
- Senior cost controller, Project management office, Sazeh Consultant Company, Tehran, Iran, 2006- 2008.

4. Research funding and grants

1. Principal investigator, Process management and improvement, Tehran Municipality Company, External fund, 2018- 2019.
2. Health economics, Medical Research Council (MRC), External fund for post-doc, South Africa 2015-2016.
3. Project management services, Shiraz Municipality Company, External fund, (Sep 2015 -2017),
4. Project management services, Shiraz Municipality Company, External fund, (Sep 2013 -2015),
5. Modeling of Earned value management and cost forecasting in uncertain conditions, Research deputy of Iran University of Science and Technology, Iran, 2014, internal fund.
6. Principal investigator, “Development of at completion cost of projects in deterministic and fuzzy conditions”, Research deputy of Iran University of Science and Technology, Iran, 2013, Internal fund.
7. Project management consultancy services, Cany Mes Company (Mining projects), 2011-2012.
8. Economic consultant for economics analysis of projects, Shahre raaz Consultant Company, Shiraz, 2011.
9. Principal investigator: Cost – benefit analysis of research projects, Fars power supply company, Shiraz, External fund, 2010.
10. Principal investigator: University strategic planning, Shiraz, Iran (2008).
11. Material requirements planning, Iran national science fund, (external fund for PhD. Thesis), 2007-2008.

5. Research outputs

A- International Referred Journals

2024

- 1- Sustainability assessment in construction projects: a sustainable earned value management model under uncertain and unreliable conditions, M Anbari Moghadam, M Bagherpour, SF Ghannadpour, *Environment Systems and Decisions*, Springer, 2024.
- 2- Sustainability-Driven Supplier Selection: Insights from Supplier Life Value and Z-Numbers M Tohidi, S Homayoun, A RezaHoseini, R Ehsani, M Bagherpour, *Sustainability* 16 (5), 2046

2022 & 2023

- 3- Performance evaluation of sustainable projects: a possibilistic integrated novel analytic hierarchy process data envelopment analysis approach using Z-Number information, A RezaHoseini, Z Rahmani, M BagherPour, *Environment, Development and Sustainability* 24 (3), 3198-3257, Springer, (Impact factor:4)
- 4- Healthcare sustainability evaluation using a hybrid fuzzy multi-criteria decision-making model, A Erjaee, S Hendiani, S Moradi, M Bagherpour, *International Journal of Fuzzy Systems* 24 (2), 1182-1202, Springer Impact factor:4
- 5- Fuzzy multi-objective programming: A systematic literature review, N Karimi, MR Feylizadeh, K Govindan, M Bagherpour, *Expert Systems with Applications*, 116663, (Elsevier, IF:8)
- 6- Improving estimate at completion (EAC) cost of construction projects using adaptive neuro-fuzzy inference system (ANFIS), SR Dastgheib, MR Feylizadeh, M Bagherpour, A Mahmoudi, *Canadian Journal of Civil Engineering* 49 (2), 222-232

2021

- 7- Performance evaluation of sustainable projects: a possibilistic integrated novel analytic hierarchy process-data envelopment analysis approach using Z-Number information, A RezaHoseini, Z Rahmani, M BagherPour, *Environment, Development and Sustainability*, 1-60
- 8- Ranking Sustainable Projects through an Innovative Hybrid DEMATEL-VIKOR Decision-Making Approach Using Z-Number, A Akhavein, A RezaHoseini, AM Ramezani, M BagherPour, *Advances in Civil Engineering*,
- 9- Appraising the triple bottom line utility of sustainable project portfolio selection using a novel multi-criteria house of portfolio, SF Ghannadpour, AR Hoseini, M Bagherpour, E Ahmadi, *Environment, Development and Sustainability* 23 (3), 3396-3437
- 10- Implementation of Building Information Modeling (BIM) Using Hybrid Z-DEMATEL-ISM Approach, A RezaHoseini, E Ahmadi, P Saremi, M BagherPour, *Advances in Civil Engineering* 2021
- 11- Directed earned value management based on ordered fuzzy numbers. STH Mortaji, S Noori, M Bagherpour, *Journal of Intelligent & Fuzzy Systems*, (ISI-indexed)1-14.

2020

- 12- Interpretive structural modeling in Earned Value Management, M Bagherpour, MK Zadeh, A Mahmoudi, X Deng, *Journal of Civil Engineering and Management* 26 (6), 524-533. **(ISI indexed)**
- 13- Improving emergency departments: Simulation-based optimization of patients waiting time and staff

allocation in an Iranian hospital, S Sasanfar, M Bagherpour, A Moatari-Kazerouni, *International Journal of Healthcare Management*, 1-8.

- 14- Appraising the triple bottom line utility of sustainable project portfolio selection using a novel multi-criteria house of portfolio, SF Ghannadpour, AR Hoseini, M Bagherpour, E Ahmadi, *Environment, Development and Sustainability*, 1-42(*ISI indexed*)
- 15- Z-number based earned value management (ZEVm): A novel pragmatic contribution towards a possibilistic cost-duration assessment, S Hendiani, M Bagherpour, A Mahmoudi, H Liao, *Computers & Industrial Engineering*, 106430(*ISI indexed*)
- 16- Analyzing the status of sustainable development in the manufacturing sector using multi-expert multi-criteria fuzzy decision-making and integrated triple bottom lines, S Hendiani, H Liao, M Bagherpour, M Tvaronavičienė, A Banaitis, *International journal of environmental research and public health* 17 (11), 3800(*ISI indexed*)

2019

- 17- Developing an integrated index to assess social sustainability in construction industry using fuzzy logic, S Hendiani*, M Bagherpour, *Journal of Cleaner Production* 230, 647-662. (Elsevier)
- 18- Grey Earned Value Management: Theory and Applications A Mahmoudi, M Bagherpour, SA Javed, *IEEE Transactions on Engineering Management* (ISI indexed)
- 19- Utility-Numbers Theory, P Liu, S Hendiani*, M Bagherpour, SF Ghannadpour, A Mahmoudi, *IEEE Access* 7, 56994-57008. (ISI indexed)
- 20- Application of fuzzy modelling to predict construction projects cash flow, SMA Tabei*, M Bagherpour, A Mahmoudi, *Periodica Polytechnica Civil Engineering* 63 (2), 647-659. (ISI indexed),
- 21- Development of sustainability index using Z-numbers: a new possibilistic hierarchical model in the context of Z-information, S Hendiani *, M Bagherpour, *Environment, Development and Sustainability*, 1-33. (ISI indexed),
- 22- Monitoring production time and cost performance by combining earned value analysis and adaptive fuzzy control, B Zohoori, A Verbraeck*, M Bagherpour, M Khakdaman, *Computers & Industrial Engineering* 127, 805-821(ISI indexed)
- 23- A multi-criteria sustainability assessment approach for energy systems using sustainability triple bottom line attributes and linguistic preferences, S Hendiani, E Sharifi, M Bagherpour, SF Ghannadpour, *Environment, Development and Sustainability*, 1-35. (ISI indexed)
- 24- Primary immunodeficiency in Africa—a review, A Erjaee, M Bagherpour, C Van Rooyen, S Van den Berg, CJ Kinnear, M Pepper, *South African Medical Journal* 109 (8, Supplement 1), S4-S12, (ISI indexed)
- 25- Developing a Hybrid Intelligent System for Optimizing Syndicated Venture Capital Portfolios, A Hasheminejad *, M Bagherpour, S Noori, S pishvae, *Journal of intelligent and fuzzy systems*, 2019, (ISI –indexed), 2018
- 26- An ex ante control chart for project monitoring using earned duration management observations, STH

Mortaji *, S Noori, R Noorossana, M Bagherpour, *Journal of Industrial Engineering International* 14 (4), 793-806. (Springer), (*Mortaji: PhD. Student)

- 27- Project crashing using a fuzzy multi-objective model considering time, cost, quality and risk under fast tracking technique: A case study, MR Feylizadeh, A Mahmoudi, M Bagherpour, DF Li*, *Journal of Intelligent & Fuzzy Systems*, 1-19 (ISI indexed), (*DF Li: A professor in China)
- 28- Manufacturing performance measurement using fuzzy multi-attribute utility theory and Z-number, MR Feylizadeh, M Bagherpour, *Transactions of FAMENA* 42 (1), 37-49. (ISI indexed)
- 29- A Comprehensive Decision Support System for Pediatrics Immunization, MH Reihani, M Bagherpour, A Erjaee, *Iranian journal of public health* 47 (2), 303, (ISI indexed)

2017

- 30- Resource Pool Location for Periodic Services in Decentralized Multi-Project Scheduling Problems, M Rostami*, M Bagherpour, MM Mazdeh, A Makui, *Journal of Computing in Civil Engineering* 31 (5), 04017022. (ISI indexed),
- 31- A lagrangian relaxation algorithm for facility location of resource-constrained decentralized multi-project scheduling problems, M Rostami *, M Bagherpour, *Operational Research*, 1-41. (ISI indexed)
- 32- Developing a fuzzy inference approach to evaluate the static complexity of construction projects, A Makui, P Moeinzadeh *, M Bagherpour, *Journal of Intelligent & Fuzzy Systems* 32 (3), 2233-2249, (ISI indexed),
- 33- The Role of Project Management Office in Public Health: A New Approach for Establishment in Iran, M Bagherpour, A Erjaee, *Iranian journal of public health* 46 (3), 433, ISI indexed

2016

- 34- Developing a Fuzzy Group Decision-Making Approach for Project Manager Selection Considering the Static Complexity of Construction Projects. A Makui, P Moeinzadeh*, M Bagherpour, *International Journal of Engineering Science* (2008-4870) 27 (3),
- 35- Applying mechanical equilibrium rules in project cost management. M Bagherpour, M Safari *, M Mohammad Sharifi, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of engineering manufacture*. (ISI indexed)
- 36- A probabilistic portfolio budget allocation problem with CPI index under risk, A Noroozi, H Mokhtari, M Bagherpour, SJ Sadjadi *, *Journal of Industrial and Production Engineering* 33 (4), 236-246.
- 37- Optimizing Cash-Flow-at-Risk in Construction Projects: A Cost Reduction Approach, MM Sharifi *, M Bagherpour, *Periodica Polytechnica Civil Engineering* 60 (3), 337-344. (ISI indexed),
- 38- Applying utility theory in uncertain project environments with multiple goals, M Safari, M Bagherpour, J Wang *, *International Journal of Applied Decision Sciences* 9 (2), 196-211
- 39- Finding optimum resource allocation to optimizing construction project Time/Cost through combination of artificial agents CPM and GA, M Khanzadi, AM Attar *, M Bagherpour, *Periodica Polytechnica Civil Engineering* 60 (2), 169-180. (ISI indexed),

2015

- 40- A time-cost trade-off model by incorporating fuzzy earned value management: A statistical based approach, M Salari *, M Bagherpour, MH Reihani, *Journal of Intelligent & Fuzzy Systems* 28 (4), 1909-1919 (ISI indexed),
- 41- Risky Time Driven Activity Based Costing in a Medical center: A Development, implementation and simulation , based optimization approach, M Bagherpour, *The Journal of Accounting and Management* 5 (2)

2014

- 42- Project completion time and cost prediction using change point analysis, STH Mortaji *, R Noorossana, M Bagherpour, *Journal of Management in Engineering* 31 (5), 04014086. (ISI indexed, ABS indexed),
- 43- Fuzzy extended earned value management: A novel perspective, M Salari, M Bagherpour, A Kamyabniya, *Journal of Intelligent & Fuzzy Systems* 27 (3), 1393-1406. (ISI indexed),
- 44- A novel earned value management model using Z-number, M Salari, M Bagherpour, J Wang, *International Journal of Applied Decision Sciences* 7 (1), 97-119

2013

- 45- Fuzzy time-driven activity-based costing, STH Mortaji *, M Bagherpour, MM Mazdeh, *Engineering Management Journal* 25 (3), 63-73. (ISI indexed)
- 46- Application of risk analysis within value management: A case study in dam engineering, M Rohaninejad, M Bagherpour, *Journal of Civil Engineering and Management* 19 (3), 364-374. (ISI indexed)
- 47- Fuzzy earned value management using LR fuzzy numbers, STH Mortaji, M Bagherpour, S Noori, *Journal of Intelligent & Fuzzy Systems* 24 (2), 323-332. (ISI indexed)
- 48- Efficiency measurement of clinical units using integrated independent component analysis-DEA Model under Fuzzy conditions, A Afsharinia, M Bagherpour, K Farahmand, *International Journal of Hospital Research* 2 (3), 109-118
- 49- Time-driven activity-based costing in a production planning environment, M Bagherpour, AK Nia, M Sharifian, MM Mazdeh, Proceedings of the Institution of Mechanical Engineers, Part B: *Journal of engineering manufacture*, ISI indexed

2012

- 50- Time, cost, and quality trade-offs in material requirements planning using fuzzy multi-objective programming, M Bagherpour, MR Feylizadeh, DF Cioffi *, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of engineering manufacture*. (ISI indexed)
- 51- Cost management system within a production environment: a performance-based approach, M

Bagherpour, S Noori, *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of engineering manufacture*. (ISI indexed)

- 52- A fuzzy neural network to estimate at completion costs of construction projects, M Feylizadeh, A Hendalianpour, M Bagherpour, *International Journal of Industrial Engineering Computations* 3 (3), 477-484.
- 53- Modelling of multi-period multi-product production planning considering production routes, I Mahdavi, K Taghizadeh, M Bagherpour, M Solimanpur, *International Journal of Production Research* 50 (6), 1749-1766 (ISI indexed),
- 54- A multi-criteria decision making model for treatment of Helicobacter pylori infection in children, A Erjaee, M Bagherpour, S Razeghi, SM Deghani, MH Imanieh, *Hong Kong J Paediatr* 17 (4), 237-42, ISI indexed

2011

- 55- Resource allocation in multi-server dynamic PERT networks using multi-objective programming and Markov process, S Yaghoubi, S Noori, M Bagherpour, *Iranian Journal of Science and Technology (Sciences)* 35 (2), 131-147. (ISI indexed)
- 56- The Use of Earned Value Analysis in Production Control with Uncertainty Conditions, A Zareei, M Bagherpour, S Noori, *Journal of Uncertain Systems* 5 (1), 21-32.,
- 57- An extension to earned value management, M Bagherpour, *Cost Management* 25 (3), 41.
- 58- A new approach for solving fuzzy critical path problem using analysis of events, A Zareei, F Zaerpour, M Bagherpour, AA Noora, AH Vencheh, *Expert Systems with Applications* 38 (1), 87-93. (ISI indexed)
- 59- An interactive fuzzy goal programming approach for multi-period multi-product production planning problem, K Taghizadeh, M Bagherpour, I Mahdavi, *Fuzzy Information and Engineering* 3 (4), 393-410
- 60- Application of optimization techniques in production planning context: A review and extension, Feyliadeh, M Bagherpour, 1 (1), 1-8
- 61- Application of fuzzy multi-objective linear programming model in a multi-period multi-product production planning problem, K Taghizadeh, M Bagherpour, I Mahdavi, *International Journal of Computational Intelligence Systems* 4 (2), 228-243, ISI indexed

2010

- 62- A successful project cost management system: Basic requirements, challenges, and obstacles to implementation, M Bagherpour, *Cost Management* 24 (5), 15.

- 63- Designing a control mechanism using earned value analysis: an application to production environment, M Bagherpour, A Zareei, S Noori, M Heydari, *The International Journal of Advanced Manufacturing Technology* 49 (5-8), 419-429. (ISI indexed)

- 64- A new project scheduling approach for improving multi-product multi-period production planning problems, S Noori, M Bagherpour, F Zorriassatine, A Makui, R Parkin, Proceedings of the Institution of Mechanical Engineers, Part B: *Journal of engineering manufacture*, (ISI indexed)

- 65- Optimization of material requirement planning by fuzzy multi-objective linear programming, S Noori, MR Feylizadeh, M Bagherpour, F Zorriassatine, RM Parkin, Proceedings of the Institution of Mechanical Engineers, Part B: *Journal of engineering manufacture*, (ISI indexed)

1 Papers published in conference proceedings

- 1- Bagherpour M., A closed loop cost control system, International Conference on Economics and Finance Management, Dubai, UAE, 92-96, 2014

- 2- Bagherpour M., Risk cost reduction through quantity surveying simulation, 7th conference on quantity surveying, Pretoria, South Africa, 2014

- 3- Bagherpour M, Computer Aided Cost Control: An integrated dashboard, International conference on computer engineering and computer sciences, Malaysia, 2015

- 4- Feylizadeh. MR, Arya Nezhad MB , Bagherpour. M, A fuzzy multi objective linear programming application to crashing flow shop scheduling problems, Second international conference on simulation, modeling and applied optimization, Abu Dahbi University of petroleum, March 2007, UAE

- 5- Tavakoli Mogaddam. R , Bagherpour. M, Noora A, Sasani, Fuzzy lead time in a material requirement planning system, 8th international conference of fuzzy sets and system, University of British Columbia, Canada

- 6- Bagherpour. M , S.M.Ebrahimi, Project weight calculation using AHP analysis with fuzzy criteria, Proceedings of first International conference on simulation, modeling and applied optimization, (2005), Feb.1-3, No.50,PP 1-4 ,Sharjeh, UAE.

- 7- Iraj Mahdavi, Bagherpour.M, , A.K.Mittlas, A method to solve flow shop scheduling with due date using crashing of critical path, Proceedings of fifth international conference on operations and quantitative management, Vol.2,PP 221-226, Hanyang university, S.Korea,2005

- 8- M.H.Bagherpour, Bagherpour. M, Artificial neural network application to revise plan in project management, Proceedings of first international conference on simulation, modeling and applied optimization, (2005), Feb.1-3, No.52,PP 1-4 ,Sharjeh, UAE.

- 9- S.M.H Hojatti, Bagherpour.M., F. Soliemani, Minimizing make span subject to budget limitation in flow shop scheduling, 35th international conference of computer & industrial engineering, Istanbul, Turkey.

- 10- The application of data sciences in industrial engineering, Review and extension, IEOM 2024, Dubai, UAE.

2 Book chapter/ books published

- 1- Morteza Bagherpour, Siamak Noori, S. Jafar Sadjadi, Cost – Time Trade Off Models Application to Crashing Flow Shop Scheduling Problems, Part of the Lecture Notes in Computer Science (springer), book series (LNCS, volume 3982)
- 2- Bagherpour M, Erjaee S., Rasekh A., Dehghani SM., Data Mining Applications in a Medical System, Chapter 55, Encyclopedia of business analytics and optimization, IGI Global, USA.
- 3- Morteza Bagherpour and Pardis Ferasat, MSP training Book, Simaye Danesh Publication, The Second Edition, 2010 (In persian).
- 4- Morteza Bagherpour and Saeed Razeghi, Project planning and control, Simaye Danesh Pulication, 2010. In persian
- 5- Morteza Bagherpour, Payam abbas zadeh, economics evaluation, Center of financial study, Sharif university, in Persian, The second edition
- 6- Morteza Bagherpour, S. Taha Mortaji, Cost estimation and control, center of financial study, Sharif university,

6. Research supervision and leadership experience

A- Research supervision

PhD. Thesis / dissertation:

- Principal Supervisor, Department of project management and productivity, Iran university of Science and Technology, Tehran, Iran (2 thesis were successfully completed.)
- Co-Supervisor, department of construction management, Iran university of Science and Technology, Tehran, Iran (2 thesis were successfully completed.)
- Supervisor, DBA program, South industrial management institute, Shiraz, Iran (one thesis)

+ Master thesis:

- Principal Supervisor (more than 30 thesis), Department of project management and productivity, Iran

University of science and Technology, Tehran, Iran.

- Co-Supervisor (more than 5 thesis), department of construction management, Iran university of Science and Technology, Tehran, Iran.
- Co-supervisor of two master thesis, University of Technology Malaysia (UTM), Malaysia.
- Supervisor, MBA program, south industrial management institute, Shiraz.

+ **Bachelor Level:**

More than 20 thesis supervised.

B- Research leaderships

1. Examiner for “economic evaluations” course, PhD. Comprehensive exam, Iran University of science and Technology, 2014 and 2015.
2. Examiner for “performance measurement systems” course, PhD. Comprehensive exam, Iran University of science and Technology, 2014.
3. Examiner for “project management” course, PhD. Comprehensive exam, Iran University of science and Technology, 2012.
4. Member of examiners committee, entrance exam for admission of master students in industrial engineering, Iran, (2010)
5. External examiner for a MSc. Thesis, Hamedan University, Hamedan, Iran ,2010
6. Member of supervisory committee, External member for a PhD. Student, University of Putra Malaysia (UPM), Malaysia, Feb, 2012.
7. Referee for selection of “the best book writer award”, Tehran, 2012.
8. External examiner for a Msc. Student in industrial engineering, Amir Kabir university of technology, 2013
9. External examiner for a PhD. Student in industrial engineering, Isfahan University of Technology, Iran, 2015.
10. Library and computer center manager, faculty of industrial engineering, Iran University of science

and technology, 2014 – 2016.

11. Library manager, faculty of industrial engineering, Iran University of science and technology, 2016 – 2018.

7. Teaching experience

A- Teaching at university (15 years)

- Courses taught at graduate level:

Project management, advanced project management, project cost control and financial management, project risk analysis and management, performance measurement systems, E-commerce.

- Courses taught at undergraduate level:

Project planning and control, production planning and control, engineering economics, engineering management

B-Corporate trainings/continuing education

50 workshops in project cost estimation and control, project management, project claims and contract management, risk management, business plan, lean production.

C- Pedagogical courses attended

1. “Curriculum development” course, 8 hours training, (Points: 94 out of 100), Teacher in Training program, Shiraz IA university,
2. “Transformation Psychology” course, 8 hours, Teacher in Training program, Shiraz IA university,
3. “educational Psychology” course, 20 hours, Teacher in Training program, Shiraz IA university,
4. “Psychology of education and training” courses, 12 hours, Teacher in Training program, Shiraz IA University, Shiraz.

8. Awards and honors

Best researcher at University level, Shiraz, 2008

Patent, Iranian patent organization, 2007

Session chair, International Conference on Economics and Finance Management, Dubai, UAE, 92-96, 2014

Editorial board: International journal of data sciences, Inderscience publication, ongoing

International advisory board: International of information technology project management, IGI global

Editorial Board: Journal of project management (Growing science)

Second rank: The second rank in “Earned value management” in terms of number of publications, (Scopus report),

Guest editor: in area of earned value project management, IGI global publication, USA

9- Services (as a reviewer):

- Computers and Industrial Engineering (Elsevier)
- International journal of production research (Taylor and Francis)
- Construction management and economics (Taylor and Francis)
- IEEE transactions: part A
- Journal of project management
- International journal of information technology project management
- International journal of data sciences
- Cost engineering journal
- Engineering management journal (Taylor and Francis)
- Journal of the franklin institute (Elsevier)