



Dr Seyed Amin Badri

Assistant Professor
Department of Industrial Engineering
Faculty of Technology and Engineering- East of Guilan
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EDUCATION

PH.D.

Doctor of Philosophy in Industrial Engineering, [Iran University of Science and Technology](#), 2015.

M.SC.

Master of Science in Industrial Engineering, [Iran University of Science and Technology](#), 2008.

B.SC.

Bachelor of Science in Industrial Engineering, [Isfahan University of Technology](#), 2006.

EMPLOYMENT

DECEMBER, 2017 - PRESENT

Head of the Department of Industrial Engineering, Faculty of Technology and Engineering- East of Guilan, University of Guilan.

MARCH, 2015 - PRESENT

Faculty Member (Assistant Prof.), Department of Industrial Engineering, Faculty of Technology and Engineering- East of Guilan, University of Guilan.

RESEARCH INTERESTS

Applied Operations Research

Production Planning and Scheduling, especially the Application of Theory of Constraints (TOC)

Project Management, especially Critical Chain Project Management (CCPM)

Optimization and Meta-heuristic Algorithms

Multiple Criteria Decision Making (MCDM)

Decision Making under Uncertainty

TEACHING EXPERIENCES

UNDER GRADUATED

Operations Research I, Operations Research II, Inventory Control I, Inventory Control II, Project Management & Control, Motion & Time Study, Transportation Planning, Engineering Economy, Human Factor Engineering, Facilities Planning, Computer Application in Industrial Engineering.

GRADUATED

Advanced Production Planning, Sequencing and Scheduling, Advanced Linear Programming, Scheduling and Optimization Models in Transportation, Methodology & Research Method.

JOURNAL PUBLICATIONS

Badri, S. A., Ghazanfari, M., & Shahanaghi, K. (2014). "A multi-criteria decision-making approach to solve the product mix problem with interval parameters based on the theory of constraints". *The International Journal of Advanced Manufacturing Technology*, 70(5-8), 1073-1080.

Badri, S. A., Ghazanfari, M., & Makui, A. (2014). "An integrated model for product mix problem and scheduling considering overlapped operations". *Decision Science Letters*, 3(4), 523-534.

Kivanbehjoo, K., **Badri, S. A.**, & Haleh, H. (2013). "Determining the combination of the production in the several lines of bottleneck by using fuzzy vikor method". *Journal of Industrial Management*, 8(23), 97-108.

Badri, S. A., & Aryanezhad, M. B. (2011). "A mathematical method for managing the system constraint". *International Journal of Engineering-Transactions A: Basics*, 24, 37-47.

Aryanezhad, M. B., **Badri, S. A.**, & Rashidi Komijan, A. (2010). "Threshold-based method for elevating the system's constraint under theory of constraints". *International Journal of Production Research*, 48(17), 5075-5087.

CONFERENCE PAPERS

Badri, S. A., Daghbandan, A., & Fallahi, E. (2017). "Modeling and solution method for the multi-mode resource-constrained project scheduling problem", *The 1st International Conference on Soft Computing*, Rudsar, Iran. (In Persian)

Badri, S. A., & Nikpeyma, R. (2017). "A mathematical model for job-shop scheduling with maintenance constraints based on TOC", *The 1st International Conference on System Optimization and Business Management*, Babol, Iran. (In Persian)

Badri, S. A., Daghbandan, A., & Fallahi, E. (2017). "A proposed method for resource-constrained project scheduling under interval uncertainty", *The 10th International Conference of Iranian Operations Research Society*, Mazandaran, Iran. (In Persian)

Badri, S. A., Amin-Tahmasbi, H., & Jafari, Gh. (2017). "A mathematical model for job shop scheduling problem with overlapping operations to minimize the sum of weighted TVD and IVD", *The 10th International Conference of Iranian Operations Research Society*, Mazandaran, Iran. (In Persian)

Badri, S. A., Amin-Tahmasbi, H., & Alizadeh, M. (2017). "A goal programming model for nurse shift scheduling problem (Case study: Shahid Ansari Hospital in Rudsar)", *The 4th National Industrial Mathematics Conference*, Tabriz, Iran. (In Persian)

Badri, S. A., & Badri, S. A. (2016). "Determining the production priority considering late delivery cost and interval parameters based on borda method", *The 1st International Conference on Industrial Engineering, Management and Accounting*, Tehran, Iran. (In Persian)

Badri, S. A., & Badri, S. A. (2016). "Product-mix determination in multi-bottleneck environments considering inseparable costs", *The 1st International Conference on Industrial Engineering, Management and Accounting*, tehran, Iran. (In Persian)

Badri, S. A. (2015). "A new buffer sizing method in order to control the uncertainties in the project", *The 1st National Conference on Soft Computing*, Rudsar, Iran. (In Persian)

Badri, S. A., & Ghazanfari, M. (2012). "A bi-level mathematical model for job-shop scheduling with maintenance constraints", *The 5th International Conference of Iranian Operations Research Society*, Tabriz, Iran. (In Persian)

Badri, S. A., & Ghazanfari, M. (2012). "Determine a policy for use of the left capacity of a non-bottleneck resource to elevate the system throughput", *The 5th International Conference of Iranian Operations Research Society*, Tabriz, Iran. (In Persian)

Badri, S. A., & Ghazanfari, M. (2011). "Solving the product mix problem using the harmony search algorithm", *The 4th International Conference of Iranian Operations Research Society*, Rasht, Iran.