CURRICULUM VITAE

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Education

1. Doctor of Philosophy in Manufacturing Systems Engineering, 2016, Universiti Putra Malaysia.
2. Master of Industrial Engineering, 2007, Islamic Azad University.
3. Bachelor of Industrial Engineering, 2004, Islamic Azad University.

Areas of Interest

1. Manufacturing Systems
2. Production Planning
3. Scheduling
4. Supply Chain Management
5. Sustainability
6. Mathematical Modelling
7. Medical-grade Air purifiers

Professional Qualification/Membership/Affiliation

1. IEEE Senior Member: 97846733, IEEE Computational Intelligence Society Senior Member
2. Technical Committee Panel Membership, Conference Technical Program Committee Member: 7th North American Industrial Engineering and Operations Management Conference in Orlando, USA, June 12-14, 2022 http://ieomsociety.org/orlando2022/committee/
3. Technical Committee Panel Membership,5th North American International Conference on Industrial Engineering and Operations Management, Detroit, USA, 10-14, August 2020 http://ieomsociety.org/detroit2020/committee/
4. Technical Committee Panel Membership,Conference Technical Program Committee Member: 4th North American International Conference on Industrial engineering and Operations Management, which was held in Toronto, Canada, 23-25 October 2019 http://ieomsociety.org/toronto2019/committee/
5. Technical Committee Panel Membership,Conference Technical Committee Member: 7th International Conference of Supply Chain and Logistics, Iran, 26-27 February 2020. www.lscm2019.com
6. Technical Committee Panel Membership,4th European Conference on Industrial Engineering and Operations Management, Rome, Italy, 2-5, August 2021 http://www.ieomsociety.org/rome2020/committee/
7. Technical Committee Panel Membership,6th North American Industrial Engineering and Operations Management Conference, Monterrey, Mexico, 3-5, November 2021 http://www.ieomsociety.org/monterrey2020/committee/

Appointments

Position	Duration
Universiti Putra Malaysia	
1. Senior Lecturer	May 2022 to date
Kharazmi University	
1. Postdoctoral Research Fellow	May 2018 – December 2019
2. Lecturer	September 2018 – December 2019
Islamic Azad University	
1. Lecturer	September 2017 – June 2018

Administrative Works

Position	Date Appointed
1. Head of Laboratory in Mechanical Department	May 2022 – Present

Publications

Journals

1. Delgoshaei, A., Gomes, C. (2016). A Multi-Layer Perceptron for Scheduling Cellular Manufacturing Systems in the Presence of Unreliable machines and Uncertain Cost, Applied Soft Computing, 49, 22-57. http://dx.doi.org/10.1016/j.asoc.2016.06.025

2. Delgoshaei, A., Ariffin, M. K. A., & Ali, A. (2017). A multi-period scheduling method for trading-off between skilled-workers allocation and outsource service usage in dynamic CMS. International Journal of Production Research, 55(4), 997-1039.https://doi.org/10.1080/00207543.2016.1213445

3. Delgoshaei, A., Ahad, A., Ariffin, MKA (2016). A Multi-period Scheduling of Dynamic Cellular Manufacturing Systems in the Presence of Cost Uncertainty. Computers and Industrial Engineering, 100, 110-132. http://dx.doi.org/10.1016/j.cie.2016.08.010

4. Delgoshaei, A., Rabczuk, T., Ahad, A., Ariffin, MKA (2016). An applicable Method for Modifying Over-allocated Multi-mode Resource Constraint Schedules in the Presence of Preemptive Resources. Annals of Operations Research. 259, 85-117. http://link.springer.com/article/10.1007/s10479-016-2336-8

5. Delgoshaei, A., Ariffin, MKA M., Leman, Z., Baharudin, B. H. T. B., & Gomes, C. (2016). Review of evolution of cellular manufacturing system's approaches: Material Transferring models. International Journal of Precision Engineering and Manufacturing, 17(1), 131-149. https://doi.org/10.1007/s12541-016-0017-9

6. Delgoshaei, A., Norozi, H., Mirzazadeh, A., Farhadi, M., Pakdel, G. H., & Aram, A. K. (2021). A new model for logistics and transportation of fashion goods in the presence of stochastic market demands considering restricted retailers capacity. RAIRO-Operations Research, 55, S523-S547. https://doi.org/10.1051/ro/2019061

7. Delgoshaei, A., & Gomes, C. (2019). A new method for minimizing cell underutilization in the process of dynamic cell forming and scheduling using artificial neural networks. Journal of Advanced Mechanical Design, Systems, and Manufacturing, 13(1), 1-12. https://doi.org/10.1299/jamdsm.2019jamdsm0021

8. Delgoshaei, A., MohammadAzari, M., Hanjani, S. E., Fard, F., Beigizadeh, R., & Aram, A. K. (2020). A FUZZY LOGIC-BASED MACHINE LEARNING ALGORITHM FOR PRODUCT DISTRIBUTION IN SUPPLY CHAINS CONSIDERING RIVAL'S STRATEGIC DECISIONS. International Journal of Industrial Engineering, 27(6). https://doi.org/10.23055/ijietap.2020.27.6.5883

9. Delgoshaei, A., Ariffin, M. K. A., & Baharudin, B. T. (2016). Pre-emptive resource-constrained multimode project scheduling using genetic algorithm: A dynamic forward approach. Journal of Industrial Engineering and Management (JIEM), 9(3), 732-785. http://dx.doi.org/10.3926/jiem.1522

10. Delgoshaei, A., & Ali, A. (2017). An applicable method for scheduling temporary and skilled-workers in dynamic cellular manufacturing systems using hybrid ant colony optimization and Tabu search algorithms. Journal of Industrial and Production Engineering, 34(6), 425-449. https://doi.org/10.1080/21681015.2017.1360405

11. Delgoshaei, A., & Ali, A. (2019). Evolution of clustering techniques in designing cellular manufacturing systems: A state-of-art review. International Journal of Industrial Engineering Computations, 10(2), 177-198.
DOI: 10.5267/j.ijiec.2018.8.002

12. Delgoshaei, A., Mirzazadeh, A., & Ali, A. (2018). A hybrid ant colony system and tabu search algorithm for the production planning of dynamic cellular manufacturing systems while confronting uncertain costs. Brazilian Journal of Operations & Production Management, 15(4), 499-516.
https://doi: 10.14488/BJOPM.2018.v15.n4.a4

13. Delgoshaei, A., & Naserbakht, F. (2019). A sustainable method for scheduling maintenance services of an airline with the aims of minimizing awaiting times and maximizing flights performance. International Journal of Sustainable Aviation, 5(2), 119-157.
https://doi.org/10.1504/IJSA.2019.101747

14. Delgoshaei, A., Ariffin, M., Baharudin, B., & Leman, Z. (2016). A new method for decreasing cell-load variation in dynamic cellular manufacturing systems. International Journal of Industrial Engineering Computations, 7(1), 83-110.
http://10.5267/j.ijiec.2015.7.004

15. Delgoshaei, A., Ariffin, M., Baharudin, B. H. T. B., & Leman, Z. (2015). Minimizing makespan of a resource-constrained scheduling problem: A hybrid greedy and genetic algorithms. International Journal of Industrial Engineering Computations, 6(4), 503-520.
DOI: 10.5267/j.ijiec.2015.5.002

16. Delgoshaei, A., Ali, A., (2020). A Hybrid Ant Colony Optimization and Simulated Annealing Algorithm for Multi-Objective Scheduling of Cellular Manufacturing Systems, International journal of Metaheuristic Computing, 11(3), 1-40.
DOI: 10.4018/IJAMC.2020070101

17. Delgoshaei, A., Farhadi, Hanjani, S., M., Mirzazadeh, A., (2019). A New Method for Distributing and Transporting of Fashion Goods in a Closed-Loop Supply Chain in the Presence of Market Uncertainty, Industrial Engineering & Management Systems, 18 (4), 825-844.
DOI : 10.7232/iems.2019.18.4.825

18. Delgoshaei, A., Aram, A. K., Ehsani, S., Rezanoori, A., Hanjani, S. E., Pakdel, G. H., & Shirmohamdi, F. (2021). A supervised method for scheduling multi-objective job shop systems in the presence of market uncertainties. RAIRO-Operations Research, 55, S1165-S1193.
DOI: https://doi.org/10.1051/ro/2020082

19. Delgoshaei, A., Ariffin, M.K.A, Baharudin, B. H. T. B., & Leman, Z. (2014). A Backward Approach for Maximizing Net Present Value of Multi-mode Pre-emptive Resource-Constrained Project Scheduling Problem with Discounted Cash Flows Using Simulated Annealing Algorithm. International Journal of Industrial Engineering and Management, 5(3), 151-158.
http://ijiemjournal.uns.ac.rs/previousissues/38-volume-5-2014?start=10

20. Delgoshaei, A., Parvin, M., & Ariffin, M. (2016). Evaluating impact of market changes on increasing cell-load variation in dynamic cellular manufacturing systems using a hybrid Tabu search and simulated annealing algorithms. Decision Science Letters, 5(2), 219-244.
DOI: 10.5267/j.dsl.2015.12.002

21. Delgoshaei, A., Al-Mudhafar, A., & Ariffin, M. K. A. (2016). Developing a new method for modifying over-allocated multi-mode resource constraint schedules in the presence of preemptive resources. Decision Science Letters, 5(4), 499-518. DOI: 10.5267/j.dsl.2016.5.002

22. Delgoshaei, A., & Ali, A. (2019). Review evolution of cellular manufacturing system's approaches: Human resource planning method. Journal of Project Management, 4(1), 31-42.
DOI: http://dx.doi.org/10.5267/j.jpm.2018.7.001

23. Delgoshaei, A., Aram, A., & Ali, A. (2019). A robust optimization approach for scheduling a supply chain system considering preventive maintenance and emergency services using a hybrid ant colony optimization and simulated annealing algorithm. Uncertain Supply Chain Management, 7(2), 251-274.
DOI: 10.5267/j.uscm.2018.10.001

24. Delgoshaei, M., Parvin, A., Ali, A., & M Ghoreishi (2018). An Applicable Heuristic for Scheduling Multi-mode Resource Constraint Projects Using PERT Technique in the Presence of Uncertain Duration of Activities. International Journal of Supply and Operations Management, 5(4), 338-360.
DOI: 10.22034/2018.4.4

25. Delgoshaei, A., Hanjani, S., & Nasiri. A., (2019). A genetic algorithm for scheduling multimode resource-constrained project problem in the presence of preemptive resources. Journal of Project Management, 4.3: 195-212.
DOI: 10.5267/j.jpm.2019.3.005

26. Rezanoori, A., Ariffin, M., Delgoshaei, A., Jalil, N., & Zulkefli, Z. (2019). A new method to improve passenger vehicle safety using intelligent functions in active suspension system. Engineering Solid Mechanics, 7(4), 313-330.
DOI: 10.5267/j.esm.2019.6.005

27. Delgoshaei, A., & Ali, A. (2020). A Hybrid Genetic and Simulated Annealing Algorithms for Scheduling Fashion Goods Supply Chains. International Journal of Advanced Heuristic and Meta-heuristic Algorithms, 1(1), 30-37.

28. Delgoshaei, A., Aram, A., & Mantegh, Z, V., (2019). A Multi-Objectives Weighting Genetic Algorithm for Scheduling Resource-Constraint Project Problem in the Presence of Resource Uncertainty. International Journal of Supply and Operations Management, (3), 213-230
DOI: 10.22034/2019.3.3

29. Delgoshaei, A. (2020). Does Maintenance Have Positive Impacts On Improving Sustainability Factors?, International Journal of Advanced Heuristic and Meta-heuristic Algorithms, 1(2), 1-26.

30. Afshari, M., Delgoshaei, A., & Ali, A. (2020). An Applicable Multi-Objective Scheduling Method for Job-shop Manufacturing Systems using a Hybrid NSGAII and Simulated Annealing Algorithms. International Journal of Advanced Heuristic and Meta-heuristic Algorithms, 1(2), 27-53.

31. Kasaei, A., Aziz, N. A., Delgoshaei, A., Tahir, S. M., & Rezanoori, A. (2021). Optimum gas tank locating in van vehicle-front and side crash analysis consideration for passenger safety. Engineering Solid Mechanics, 9(2), 177-220.
DOI: 10.5267/j.esm.2020.12.002

32. Mehrdad, P., Delgoshaei, A., & Ali, A. (2021). A Multi-Objective Scheduling Algorithm for Multi-Mode Resource Constrained Projects in the Presence of Uncertain Resource Availability. Brazilian Journal of Operations & Production Management, 18(1), 1-26.

33. Delgoshaei, A. (2016). Scheduling dynamic cellular manufacturing systems in the presence of cost uncertainty using heuristic method.

Conference Proceedings

1. **Delgoshaei. A., K, Michael and Ali, A.,** (2020), "A New Method For Transportation Of In-Process Products Between Factories Of A Supply Chain Using A Hybrid Ant Colony Optimization And Simulated Annealing Algorithms". 7th International Conference of Logistics and Supply Chain Management, Tehran, Iran (Springer).
2. **Delgoshaei, A., Aram, A. K., & Nasiri, A. H.** (2020). The Effects of Individual and Organizational Factors on Creativity in Sustainable Supply Chains). 7th International Conference of Logistics and Supply Chain Management, Tehran, Iran (Springer).

Chapter in Books

1. Delgoshaei, A., Aram, A. K., & Nasiri, A. H. (2020, December). The Effects of Individual and Organizational Factors on Creativity in Sustainable Supply Chains. In International Conference on Logistics and Supply Chain Management (pp. 303-318). Springer, Cham.

Research Grants/Consultations

No.	Title	Position	Year	Source of Fund
1.	-	-	-	-

Awards and Recognitions

No.	Name of award	Title	Award Authority	Award type	Year
1.	Elite researcher	Elite researcher	National Elite Foundation	Grant	2018