

## **LIST OF PUBLICATIONS**

### **INTERNATIONAL JOURNALS**

1. Decision Support System for the evaluation of Enterprise Resource Planning, ***International Journal of INGENIUM***, Vol.2, pp 279-284,(2005)
2. Optimizing the vendor selection process of an automobile industry using critical value analysis – A case study, ***International Journal of INGENIUM***, Vol. 2, pp 271-278, (2005).
3. An Application Of Stochastic Model And Simulation Techniques For Call Centre, ***International journal of Applied Management and Technology***, Vol. 5, No. 2, pp.185-194, (2007)
4. Logical approach for evaluation of supply chain alternatives, ***International Journal of Management and Decision Making***, Vol. 9, No. 2, pp.204–223, (2008).
5. Supply chain architectural framework and supplier relationship model for customer facing business, ***International Journal of Electronic Customer Relationship Management***, Vol. 2, No. 4, pp.332–363, (2008).
6. Bidding Process and Integrated Fuzzy Model for Global Sourcing based on Customer Preferences, ***International Journal of Electronic Customer Relationship Management***, Vol. 3, No. 1, pp.18 -37, (2009).
7. Development and Assessment of modified VIKOR Method for Multi-Criteria Single Sourcing in Supply Chain, ***International Journal of Business and Systems Research***, Vol.4, No.1, pp.94 - 116, (2010).
8. A Framework Structure for a multi-period, multi-product, bi-echelon supply chain Improvement, ***International Journal of Information Systems and Supply chain management***, Vol.2, No.4, pp.24 - 42, (2009).
9. A comparative representation approach to modern heuristic search methods in a job shop, ***International Journal of Logistics Economics and Globalisation***, Vol. 1, Nos. 3/4, pp.396-409, (2008)
10. Multi-phase composite analytical model for integrated allocation-routing problem application of blood bank logistics, ***International Journal of Logistics Economics and Globalisation***, Vol. 1, Nos. 3/4, pp.251-281, (2008)
11. Artificial Intelligence Heuristic for Combinatorial Routing Problem, ***Journal of Information Technology Research***, Vol.2, No.1, pp 19-37, (2009)

12. An integrated model for Optimization of production-distribution inventory levels and routing Structure for a multi-period, multi-product, bi-echelon supply chain, ***International journal of Applied Management and Technology***, Vol. 6, No. 2, pp 153 – 178, (2008).
13. A Hybrid Model for Sourcing Selection with Order Quantity Allocation with Multiple Objectives under Fuzzy Environment, ***International Journal of Applied Decision Science***, Vol.2, No.3, pp 275 - 298, (2009).
14. A Model for selection of suppliers by comparison of two clustering algorithms, ***International Journal of Applied Decision Science***, Vol.2, No.4, pp 422 - 443, (2009).
15. Optimization of supply chain performance using MCDM tool – a case study, ***International Journal of Value Chain Management***, Vol.4, No.3, pp 240 - 255, (2010).
16. A Hybrid Decision model for the selection of capital equipment using AHP in Conjoint analysis, ***International Journal of Enterprise Network Management***, Vol. 3, No. 2, pp.112–129, (2009).
17. Modeling of single sourcing, multi period, multi vendor, multi buyer based VMI, ***International Journal of Enterprise Network Management***, Vol. 3, No. 2, pp.165–180, (2009).
18. A heuristics to solve vehicle routing problem with mixed delivery and pick up- Application to blood bank logistics, ***Journal of Advances in production engineering and management***, 2009, Accepted for publication.
19. Optimization of multiple vehicle routing Problems using approximation algorithms, ***International Journal of Engineering Science and Technology***, Vol.1.,No 2., pp.129-135, (2009).
20. An integrated model for a class of sourcing problem using multiple regression analysis and analytical hierarchy process, ***International Journal of Enterprise Network Management***, Vol. 3, No. 4, pp.xxx - xxx, (2009).
21. Optimization of Non-Linear Multiple Traveling Salesman Problem Using K-Means Clustering, Shrink Wrap Algorithm and Meta-Heuristics, ***International Journal of Nonlinear Science***, Vol.9, No.2, pp.171-177, (2010).
22. A heuristic to generate input sequence for Simulated Annealing to solve VRP, ***International Journal of Enterprise Network Management***, Vol.4, No.1, pp 26 - 38, (2010).
23. Balanced centroids (BC) K-means clustering algorithm to transform mTSP to TSP, ***International Journal of Logistics Economics and Globalisation***, Vol. 2, No.3, pp.187-197, (2010).

24. A review of evolutionary algorithms for multi objective multi product multi modal distribution problem with a possible new approach, ***International Journal of Logistics Economics and Globalisation***, Vol. 3, No. 1, pp.01 - 16, (2011).
25. K-means clustering algorithm and meta-heuristics for multiple travelling salesman problems, ***Journal of Software Engineering***, Vol.4, No.2, pp 16 - 32, (2010).
26. An integrated model for performance management of manufacturing unit, ***Bench marking: An international journal***, Vol.18, No.2, pp 261 - 281, (2011)
27. Supplier selection through structural equation modeling and fuzzy logic, ***Expert Systems with Applications: An International Journal***, Vol.38, No.1, pp 458-474, (2011).
28. A multi-criteria decision making approach for supplier selection, *Procedia Engineering*, Vol.38, pp 2312 - 2328, (2012)
29. MASS: An Analytical Model For Assessment of Supply Chain Entity, ***International Journal of Operations Research***, Vol.18, No.3, pp 318 - 345, (2013)
30. Intelligent heuristics to Solve a Balanced Routing Problem in Supply Chain - A Case Study, ***Engineering applications of Artificial intelligence***, Under Review
31. An integrated multi-objective decision making process for the performance evaluation of the vendors, ***International Journal of Production Research***, Vol.51, No.13, pp 3836 - 3848, (2013) (SCI Journal with impact factor:1.5)
32. Vendor selection problem: a multi-criteria approach based on strategic decisions, ***International Journal of Production Research***, Vol.51, No.5, pp 1535 - 1548, (2012). (SCI Journal with impact factor:1.5)
33. Leanness evaluation in 6 manufacturing MSME's using AHP and SEM techniques, ***International journal of Mechanical and Mechatronics Engineering***, Vol.13, No.06, PP. 29 - 36, (2013)
34. Hybrid MCDM approach for vendor ranking, ***Journal of Manufacturing Technology Management***, Vol.24, No.6, pp 905 - 928, (2013).
35. Critical Success Factors for Implementation of Lean and Green in Medium Scale Manufacturing Industries, ***Applied Mechanics and Materials***, Vols. 592-594 pp 2588-2595 (2014).

36. Optimisation of process plans in reconfigurable manufacturing systems using ant colony technique, **Int. J. of Enterprise Network Management**, Vol. 6, No.2 pp. 125 - 138(2014)
37. A Comprehensive Study to Evaluate the Critical success Factors Affecting Lean concept in Indian manufacturing Industries, **Applied Mechanics and Materials**, Vols. 592-594, pp 2569-2576 (2014).
38. Evaluation of Green Supply Chain Factors using DEMATEL, **Applied Mechanics and Materials**, Vols. 592-594, pp 2619-2627 (2014).
39. Analysis of supplier selection methods through conceptual module and empirical study, **Int. J. Logistics Systems and Management**, Vol. 18, No. 1, pp.72–99 (2014).
40. Analysis of supplier selection methods through analytical approach, **Int. J. Logistics Systems and Management**, Vol. 18, No. 1, pp.100–125 (2014).
41. Evaluation of lean manufacturing systems using MADM and Fuzzy TOPSIS, **Applied Mechanics and Materials**, Vols. 592-594, pp 2628-2638 (2014).
42. Fuzzy Quantitative Approach to prioritize Green factors in Supply Chain, **Applied Mechanics and Materials**, Vols. 592-594, pp 2645-2653 (2014).
43. A Hybrid MCDM Process for the Evaluation Of The Suppliers, **International Journal for Advanced Manufacturing Technology**, Under Review
44. Vendor Ranking Paradigm: An Integrated Hierarchical Methodology under Multiple Criteria Environment, **Journal of Purchasing and Supply Management**, Under review
45. Artificial intelligence heuristics for modeling and optimizing a multi-modal distribution system, **Wulfenia Journal**, Vol.21, No.3, pp.54-76, (2014). (SCI Journal with impact factor:0.27)
46. Optimization of multiple traveling salesman problem using meta heuristic methods”, **Wulfenia Journal**, Vol.21, No.3, pp.115-132, (2014). (SCI Journal with impact factor:0.27)
47. Prolonging the Life Time of Wireless Sensor Networks Interconnected to Fixed Network using Hierarchical Energy Tree Based Routing Algorithm, **The World Scientific Journal**, Vol. 2014, pp.1-12 (2014) (SCI Journal with impact factor:1.5)
48. Application of DEMATEL in Evaluation of Criteria affecting the Performance of Suppliers of a Heavy Industry, **International Journal of Applied Engineering Research**, Vol. 10, No.50, pp.401-410 (2015).

49. Analysis of Divers Affecting Supply Chain Using DEMATEL, ***International Journal of Applied Engineering Research***, Vol. 10, No.50, pp.790-795 (2015).
50. Evaluating lean implementation performance in Indian MSMEs using ISM and AHP models, [\*\*\*Int. J. of Services and Operations Management\*\*\*, Vol. 22, No.1 pp. 21 - 39](#)(2015)
51. Applying Interpretive Structural Modelling to Rank the Influencing Factor of Blood Bank Supply Chain, ***International Journal of Applied Engineering Research***, Vol. 10, No.50, pp.1277-1286 (2015).
52. Use Of Topsis Techniques for Selection of Best Alternatives of Blood Bank Supply Chain, ***International Journal of Applied Engineering Research***, Vol. 10, No.50, pp.1287-1296 (2015).
53. A Fuzzy Quantitative Approach to Prioritize the Green factors in Supply Chain, ***International Journal of Applied Engineering Research***, Vol. 10, No.50, pp.1044-1049 (2015).
54. R.Dhanalakshmi, T.Arunkumar and P.Parthiban, Nature Inspired heuristic approach to balance the resource in the multiple distribution centers, ***Journal of Scientific and Industrial research***, Vol.74, pp.77-81, (Feb 2015).(SCI Journal with impact factor:0.5)
55. R.Dhanalakshmi and P.Parthiban, Applying ANP in Logistics Service Provider Selection, ***International Journal of Applied Engineering Research***, Vol. 10, No.50, pp.617-623 (2015).
56. R.Dhanalakshmi and P.Parthiban, Evaluating the efficiency of 3PL logistics operations using DEA, ***International Journal of Applied Engineering Research***, Vol.10, No.50, pp.924-928 (2015).
57. Dharun Prashanth. K., Parthiban. P., Application of DEMATEL in Evaluation of Criteria Affecting the Performance of Suppliers of Heavy Industry, ***International Journal of Applied Engineering Research –IJAER*** Vol No.50 pp. 401-410 (2015).
58. P.Mathiyalagan P.Parthiban K.Tamil Mannan, Applying Interpretive Structural Modelling(ISM) to Rank the Influencing Factor of Blood Bank Supply Chain, ***International Journal of Applied Engineering Research***, ISSN 0973-4562 Vol. 10 No.50 (2015).
59. Multi Objective Optimization in Drilling of Al/SiC Composites using Desirability Functions, ***Asian Journal of Research in Social Sciences and Humanities*** Vol. 6, No. 6, pp. 1499-1506(2016).

60. Evaluating lean execution performance in Indian MSMEs using SEM and TOPSIS models, [\*Int. J. of Operational Research\*, Vol. 26, No.1 pp. 104 - 125](#) (2016).
61. R.Dhanalakshmi, T.Arunkumar and P.Parthiban, Three Phase Genetic Algorithm for Shortest Path Routing in Solar Powered WSNs, ***Journal of Scientific and Industrial research***, Accepted for publication, Vol.74, pp.xx-xx, (May 2016).(SCI Journal with impact factor:0.5)
62. P.Parthiban, R.Dhanalakshmi, Sustainable transportation systems performance evaluation using fuzzy logic, ***Ecological Indicators***, Vol.71, No.03, pp.503–513 (2016) (SCI Journal with impact factor: 3.190)
63. R.Dhanalakshmi and A.Vadivel, Ant Mobility Model in Wireless Networks Using Network Simulator, ***Journal of Scientific and Industrial research***, 2016, Accepted for publication, (May 2017).(SCI Journal with impact factor:0.5)
64. R.Dhanalakshmi, A.Vadivel and P.Parthiban, Shortest Path Routing in Solar powered WSNs using Soft computing techniques, ***Journal of Scientific and Industrial research***, 2016, Accepted for publication, (May 2017).(SCI Journal with impact factor:0.5)
65. R.Dhanalakshmi, A.Vadivel and P.Parthiban, Fuzzy Quantitative Approach to Prioritize Green Factors in Supply Chain, ***Journal of Scientific and Industrial research***, 2016, Accepted for publication, (May 2017).(SCI Journal with impact factor:0.5)
66. Pongen, Rosang, P.Parthiban, "7, Optimization of Die Casting Process parameters of A713 alloy by using Genetic Algorithm Approach, ***Revista de la Facultad de Agronomia de la Universidad del Zulia*** 34, no. 1 (2017).
67. P.Parthiban, S.Amalhasan and R.Dhanalakshmi Analysis and prioritization of Eco Drivers in Supply Chain, ***International Journal of Logistics Systems and Management***, 31(3) (2018) pp. 336–362
68. P.Parthiban, S.Amalhasan and R.Dhanalakshmi, Green Supply Chain Performance Evaluation Model for Automotive Manufacturing Industries by Using Eco Balanced Scorecard, ***International Journal of Services and Operations Management***,
69. Sonu Rajak, P.Parthiban and R.Dhanalakshmi, Multi-Depot Vehicle Routing Problem Based on Customer Satisfaction, ***International Journal of Services Technology and Management***, ISSN No.- 1741-525X ESCI, Scopus H-Index-20
70. Sonu Rajak, P.Parthiban and R.Dhanalakshmi, Selection of Transportation Channels in Closed-Loop Supply Chain using Meta-Heuristic Algorithm,

***International Journal of Information Systems and Supply Chain Management***, Accepted for publication.

71. Sonu Rajak, P. Parthiban, R. Dhanalakshmi, Sujith. S, Multi-Objective Optimization for the Vehicle Routing Problem using Meta heuristics, ***International Journal of Enterprise Network Management (IJENM)***, Vol. 09, No. 2, 117-128, ISSN No.- 1748-1260 Scopus H-Index- 8 (2018).
72. Dharun Prashanth. K., P. Parthiban, R. Dhanalakshmi, Evaluation and Ranking of Criteria affecting the Supplier's Performance of a Heavy Industry by Fuzzy AHP Method. ***Journal of Scientific & Industrial Research*** Vol 77, (May 2018).
73. Dharun Prashanth. K., P. Parthiban., R. Dhanalakshmi, Evaluation of the Performance and Ranking of Suppliers of a Heavy Industry by TOPSIS Method, ***Journal of Scientific & Industrial Research*** (2018).
74. Niranjan T, P. Parthiban, Karthik Sundaram, and Pravin Nath Jeyaganesan, Designing an Omni channel closed loop green supply chain network adapting preferences of rational customers. ***Sādhanā***, Vol.44, no. 3: 60. **(SCIE indexed)** (2019).
75. Niranjan T and P. Parthiban, Modelling and Analyzing an Integrated Multi channel Food supply chain Distribution of an Indian Dairy Firm using Modified TLBO Algorithm. ***Journal of Scientific & Industrial Research***, Vol.78 (01), 31-34 **(SCIE indexed)** (2019).
76. Pongen, Rosang, Anil Kumar Birru, and P. Parthiban, Study of microstructure and mechanical properties of A713 aluminium alloy having an addition of grain refiners Al-3.5 Ti-1.5 C and Al-3Cobalt. ***Results in Physics*** **13**:102105 (2019).