

REFERENCES

1. Abbas, K., Afaq, M., Ahmed Khan, T., & Song, W. C. (2020, May 21). A Blockchain and Machine Learning-Based Drug Supply Chain Management and Recommendation System for Smart Pharmaceutical Industry. *Electronics*, 9(5), 852. <https://doi.org/10.3390/electronics9050852>
2. Abbasi, S., Mohajer, H., & Samouei, R. (2016). Investigation of mobile clinics and their challenges. *International Journal of Health System and Disaster Management*, 4(1), 1.
3. Akhtar, M. H., & Ramkumar, J. (2023). Primary Health Center: Can it be made mobile for efficient healthcare services for hard to reach population? A state-of-the-art review. *Discover Health Systems*, 2(1), 3.
4. Alam, A., K. Bagchi, P., Kim, B., Mitra, S., & Seabra, F. (2014). The mediating effect of logistics integration on supply chain performance: a multi-country study. *The International Journal of Logistics Management*, 25(3), 553-580.
5. Alamri, A., Alshahrani, N. A., Al Bakita, A. A., Alqahtani, A. S., Alshahrani, J. H. A., & Alshahrani, M. S. (2021, August). Public willingness to receive COVID-19 vaccine in Saudi Arabia. *World Family Medicine Journal /Middle East Journal of Family Medicine*, 19(8). <https://doi.org/10.5742/mewfm.2021.94092>
6. Albarune, A. R. B., Farhat, N., & Afzal, F. (2015). Valued supply chain for integrated hospital management: A conceptual framework. *International Journal of Supply Chain Management*, 4(3), 39-49.
7. Alkurdi, M. H., & Vázquez-Bustelo, D. (2022, January 28). A Systematic Literature Review Protocol for the analysis of practices, measurement instruments

- and contextual factors inherent to Supply Chain Agility. WPOM-Working Papers on Operations Management, 13(1), 1–34. <https://doi.org/10.4995/wpom.16096>
8. Alotaibi, Shoayee, and Rashid Mehmood. "Big data enabled healthcare supply chain management: opportunities and challenges." International Conference on Smart Cities, Infrastructure, Technologies and Applications. Springer, Cham, 2017
 9. Alshahrani, W., & Alshahrani, R. (2021, March). Assessment of blockchain technology application in the improvement of pharmaceutical industry. In *2021 international conference of women in data science At Taif University (WiDSTaif)* (pp. 1-5). IEEE.
 10. Alves, F., Alvelos, F. P., Rocha, A. M. A., Pereira, A. I., & Leitao, P. (2019). Periodic vehicle routing problem in a health unit.
 11. Alzubaidi, L., Zhang, J., Humaidi, A. J., Al-Dujaili, A., Duan, Y., Al-Shamma, O., ... & Farhan, L. (2021). Review of deep learning: Concepts, CNN architectures, challenges, applications, future directions. *Journal of big Data*, 8, 1-74.
 12. Andargoli, A. E. (2021). e-Health in Australia: A synthesis of thirty years of e-Health initiatives. *Telematics and Informatics*, 56, 101478.
 13. Archetti, C., Fernández, E., & Huerta-Muñoz, D. L. (2017). The flexible periodic vehicle routing problem. *Computers & Operations Research*, 85, 58-70.
 14. Aronsson, H., Abrahamsson, M., & Spens, K. (2011). Developing lean and agile health care supply chains. *Supply chain management: An international journal*, 16(3), 176-183.

15. Arzu Akyuz, G., & Erman Erkan, T. (2010). Supply chain performance measurement: a literature review. *International journal of production research*, 48(17), 5137-5155.
16. Attaran, M. (2012). Critical success factors and challenges of implementing RFID in supply chain management. *Journal of supply chain and operations management*, 10(1), 144-167.
17. Azaria, A., Ekblaw, A., Vieira, T., & Lippman, A. (2016, August). Medrec: Using blockchain for medical data access and permission management. In *2016 2nd international conference on open and big data (OBD)* (pp. 25-30). IEEE.
18. Baltacioglu, T., Ada, E., Kaplan, M. D., Yurt And, O., & Cem Kaplan, Y. (2007). shA new framework for service supply chains. *The service industries Journal*, 27(2), 105-124.
19. Basso, R., Kulcsár, B., & Sanchez-Diaz, I. (2021). Electric vehicle routing problem with machine learning for energy prediction. *Transportation Research Part B: Methodological*, 145, 24-55.
20. Beheshtifar, Sara, and Abbas Alimoahmmadi. "A multiobjective optimization approach for location-allocation of clinics." *International Transactions in Operational Research* 22.2 (2015): 313-328.
21. Beltrami, E. J., & Bodin, L. D. (1974). Networks and vehicle routing for municipal waste collection. *Networks*, 4(1), 65-94.
22. Belyadi, H., & Haghighat, A. (2021). *Machine Learning Guide for Oil and Gas Using Python: a step-by-step breakdown with data, algorithms, codes, and applications*. Gulf Professional Publishing.
23. Benchoufi, M., & Ravaud, P. (2017). Blockchain technology for improving clinical research quality. *Trials*, 18(1), 1-5.

24. Bhakoo, V., & Choi, T. (2013). The iron cage exposed: Institutional pressures and heterogeneity across the healthcare supply chain. *Journal of operations management*, 31(6), 432-449.
25. Bigliardi, B., and E. Bottani. "Supply chain performance measurement: a literature review and pilot study among Italian manufacturing companies." *International Journal of Engineering, Science and Technology* 6.3 (2014): 1-16
26. Bishara, R. H. (2006). Cold chain management—an essential component of the global pharmaceutical supply chain. *American Pharmaceutical Review*, 9(1), 105-109.
27. Bon, A. T., & Ng, T. K. (2017). An optimization of inventory demand forecasting in university healthcare centre. In *IOP Conference Series: Materials Science and Engineering* (Vol. 166, No. 1, p. 012035). IOP Publishing.
28. Brignall, S., & Ballantine, J. (1996). Performance measurement in service businesses revisited. *International Journal of Service Industry Management*, 7(1), 6-31.
29. Büsing, C., Comis, M., Schmidt, E., & Streicher, M. (2021). Robust strategic planning for mobile medical units with steerable and unsteerable demands. *European Journal of Operational Research*, 295(1), 34-50.
30. Cacchiani, V., Hemmelmayr, V. C., & Tricoire, F. (2014). A set-covering based heuristic algorithm for the periodic vehicle routing problem. *Discrete Applied Mathematics*, 163, 53-64.
31. Carotenuto, P., Giordani, S., Massari, S., & Vagaggini, F. (2015). Periodic capacitated vehicle routing for retail distribution of fuel oils. *Transportation Research Procedia*, 10, 735-744.

32. Chandra, C., & Kachhal, S. K. (2004, February). Managing health care supply chain: trends, issues, and solutions from a logistics perspective. In *Proceedings of the sixteenth annual society of health systems management engineering forum, February* (Vol. 20, p. 21).
33. Chao, I. M., Golden, B. L., & Wasil, E. (1995). An improved heuristic for the period vehicle routing problem. *Networks*, 26(1), 25-44.
34. Chen, J., Sohal, A. S., & Prajogo, D. I. (2013). Supply chain operational risk mitigation: a collaborative approach. *International Journal of Production Research*, 51(7), 2186-2199.
35. Christofides, N., & Beasley, J. E. (1984). The period routing problem. *Networks*, 14(2), 237-256.
36. Coffey, L., & Claudio, D. (2021, September). In defense of group fuzzy AHP: A comparison of group fuzzy AHP and group AHP with confidence intervals. *Expert Systems with Applications*, 178, 114970. <https://doi.org/10.1016/j.eswa.2021.114970>
37. Cook, J., DeBree, K., & Feroletto, A. (2001). From raw materials to customers: supply chain management in the service industry. *SAM Advanced Management Journal*.
38. Cooray, P. L. N. U., & Rupasinghe, T. D. (2017). Machine learning-based parameter tuned genetic algorithm for energy minimizing vehicle routing problem. *Journal of Industrial Engineering*, 2017.
39. Cordeau, J. F., & Maischberger, M. (2012). A parallel iterated tabu search heuristic for vehicle routing problems. *Computers & Operations Research*, 39(9), 2033-2050.

40. Cordeau, J. F., Gendreau, M., & Laporte, G. (1997). A tabu search heuristic for periodic and multi-depot vehicle routing problems. *Networks: An International Journal*, 30(2), 105-119.
41. Coronato, A., Naeem, M., De Pietro, G., & Paragliola, G. (2020). Reinforcement learning for intelligent healthcare applications: A survey. *Artificial Intelligence in Medicine*, 109, 101964.
42. Cullen, A. J., & Taylor, M. (2009). Critical success factors for B2B e-commerce use within the UK NHS pharmaceutical supply chain. *International Journal of Operations & Production Management*, 29(11), 1156-1185.
43. Dixit, A., Mishra, A., & Shukla, A. (2018). Vehicle routing problem with time windows using meta-heuristic algorithms: a survey. In *Harmony Search and Nature Inspired Optimization Algorithms: Theory and Applications, ICHSA 2018* (pp. 539-546). Singapore: Springer Singapore.
44. Dobrzykowski, D., Deilami, V. S., Hong, P., & Kim, S. C. (2014). A structured analysis of operations and supply chain management research in healthcare (1982–2011). *International Journal of Production Economics*, 147, 514-530.
45. Doerner, K., Focke, A., & Gutjahr, W. J. (2007). Multicriteria tour planning for mobile healthcare facilities in a developing country. *European Journal of Operational Research*, 179(3), 1078-1096.
46. Euchi, J., Zidi, S., & Laouamer, L. (2020). A hybrid approach to solve the vehicle routing problem with time windows and synchronized visits in-home health care. *Arabian journal for science and engineering*, 45, 10637-10652.
47. Farazi, N. P., Zou, B., Ahamed, T., & Barua, L. (2021). Deep reinforcement learning in transportation research: A review. *Transportation research interdisciplinary perspectives*, 11, 100425.

48. Fernando, E. (2019, September). Success factor of implementation blockchain technology in pharmaceutical industry: a literature review. In *2019 6th international conference on information technology, computer and electrical engineering (ICITACEE)* (pp. 1-5). IEEE.
49. Filip, R., Gheorghita Puscaselu, R., Anchidin-Norocel, L., Dimian, M., & Savage, W. K. (2022). Global Challenges to Public Health Care Systems during the COVID-19 Pandemic: A Review of Pandemic Measures and Problems. *Journal of personalized medicine*, *12*(8), 1295. <https://doi.org/10.3390/jpm12081295>.
50. Francis, P., & Smilowitz, K. (2006). Modeling techniques for periodic vehicle routing problems. *Transportation Research Part B: Methodological*, *40*(10), 872-884.
51. Francis, P., Zhang, G., & Smilowitz, K. (2007). Improved modeling and solution methods for the multi-resource routing problem. *European Journal of Operational Research*, *180*(3), 1045-1059.
52. Gad, A. G., Mosa, D. T., Abualigah, L., & Abohany, A. A. (2022). Emerging trends in blockchain technology and applications: A review and outlook. *Journal of King Saud University-Computer and Information Sciences*, *34*(9), 6719-6742.
53. Gee, S. B., Arokiasami, W. A., Jiang, J., & Tan, K. C. (2016). Decomposition-based multi-objective evolutionary algorithm for vehicle routing problem with stochastic demands. *Soft Computing*, *20*(9), 3443-3453.
54. Goel, R., Maini, R., & Bansal, S. (2019). Vehicle routing problem with time windows having stochastic customers demands and stochastic service times: Modelling and solution. *Journal of Computational Science*, *34*, 1-10.

55. Gulczynski, D., Golden, B., & Wasil, E. (2011). The period vehicle routing problem: New heuristics and real-world variants. *Transportation Research Part E: Logistics and Transportation Review*, 47(5), 648-668.
56. Gupta, U., & Ramesh, A. (2015). Analyzing the barriers of health care supply chain in India: the contribution and interaction of factors. *Procedia-Social and Behavioral Sciences*, 189, 217-228.
57. Habib, G., Sharma, S., Ibrahim, S., Ahmad, I., Qureshi, S., & Ishfaq, M. (2022). Blockchain technology: benefits, challenges, applications, and integration of blockchain technology with cloud computing. *Future Internet*, 14(11), 341.
58. Habib, Y., & Filchenkov, A. (2022). Multi-agent reinforcement learning for multi vehicles one-commodity vehicle routing problem. *Procedia Computer Science*, 212, 418-428.
59. Hachicha, M., Hodgson, M. J., Laporte, G., & Semet, F. (2000). Heuristics for the multi-vehicle covering tour problem. *Computers & Operations Research*, 27(1), 29-42.
60. Haleem, A., Javaid, M., Singh, R. P., Suman, R., & Rab, S. (2021). Blockchain technology applications in healthcare: An overview. *International Journal of Intelligent Networks*, 2, 130-139.
61. Hassan, H., Hassan, R., & Gbashi, E. (2023, March 3). E-voting System Based on Ethereum Blockchain Technology Using Ganache and Remix Environments. *Engineering and Technology Journal*, 41(4), 1-16. <https://doi.org/10.30684/etj.2023.135464.1273>
62. Hemmelmayr, V. C. (2015). Sequential and parallel large neighborhood search algorithms for the periodic location routing problem. *European Journal of Operational Research*, 243(1), 52-60.

63. Hemmelmayr, V. C., Doerner, K. F., & Hartl, R. F. (2009). A variable neighborhood search heuristic for periodic routing problems. *European Journal of Operational Research*, 195(3), 791-802.
64. Hemmelmayr, V., Smilowitz, K., & de la Torre, L. (2017). A periodic location routing problem for collaborative recycling. *IIE Transactions*, 49(4), 414-428.
65. Hodgson, M. J., Laporte, G., & Semet, F. (1998). A covering tour model for planning mobile health care facilities in SuhumDistrict, Ghama. *Journal of Regional Science*, 38(4), 621-638.
66. Hottung, A., & Tierney, K. (2019). Neural large neighborhood search for the capacitated vehicle routing problem. *arXiv preprint arXiv:1911.09539*.
67. <https://nhm.gov.in/index1.php?lang=1&level=2&sublinkid=1221&lid=188>
(Accessed on April 27, 2022)
68. <https://www.scopus.com/sources?zone=TopNavBar&origin=sbrowse>
69. Imran, M., Kang, C., & Ramzan, M. B. (2018). Medicine supply chain model for an integrated healthcare system with uncertain product complaints. *Journal of manufacturing systems*, 46, 13-28.
70. Ishii, L., Demski, R., Lee, K. K., Mustafa, Z., Frank, S., Wolinsky, J. P., ... & Pronovost, P. (2017, March). Improving healthcare value through clinical community and supply chain collaboration. In *Healthcare* (Vol. 5, No. 1-2, pp. 1-5). Elsevier.
71. Jayatilake, S. M. D. A. C., & Ganegoda, G. U. (2021). Involvement of machine learning tools in healthcare decision making. *Journal of Healthcare Engineering*, 2021.
72. Kalakanti, A. K., Verma, S., Paul, T., & Yoshida, T. (2019, September). RL SolVeR pro: Reinforcement learning for solving vehicle routing problem. In *2019*

1st international conference on artificial intelligence and data sciences (AiDAS) (pp. 94-99). IEEE.

73. Kelle, P., Woosley, J., & Schneider, H. (2012). Pharmaceutical supply chain specifics and inventory solutions for a hospital case. *Operations research for health care*, 1(2-3), 54-63.
74. Khanna, A. B., & Narula, S. A. (2016). Mobile health units: Mobilizing healthcare to reach unreachable. *International Journal of Healthcare Management*, 9(1), 58-66.
75. Khanna, A. B., & Narula, S. A. (2017). Mobile Medical Units—Can They Improve the Quality of Health Services in Developing Countries?. *Journal of Health Management*, 19(3), 508-521.
76. Kim, B. I., Kim, S., & Sahoo, S. (2006). Waste collection vehicle routing problem with time windows. *Computers & Operations Research*, 33(12), 3624-3642.
77. Kitsiou, S., Matopoulos, A., Manthou, V., & Vlachopoulou, M. (2007). Evaluation of integration technology approaches in the healthcare supply chain. *International Journal of Value Chain Management*, 1(4), 325-343.
78. Koc, W. (2016). The analytical design method of railway route's main directions intersection area. *Open Engineering*, 6(1).
79. Kochak, Ashvin, and Suman Sharma. "Demand forecasting using neural network for supply chain management." *International journal of mechanical engineering and robotics research* 4.1 (2015): 96-104.
80. Kogan, K., Leu, J., & Chernonog, T. (2014). Healthcare supply chain operations: Why are doctors reluctant to consolidate?. *Operations Research for Health Care*, 3(3), 101-115.

81. Koh, S., Zhou, B., Fang, H., Yang, P., Yang, Z., Yang, Q., ... & Ji, Z. (2020). Real-time deep reinforcement learning based vehicle navigation. *Applied Soft Computing*, 96, 106694.
82. Kool, W., van Hoof, H., Gromicho, J., & Welling, M. (2022, June). Deep policy dynamic programming for vehicle routing problems. In International conference on integration of constraint programming, *artificial intelligence, and operations research* (pp. 190-213). Cham: Springer International Publishing.
83. Kritchanchai, D., Krichanchai, S., Hoeur, S., & Tan, A. (2019). Healthcare supply chain management: macro and micro perspectives. *Logforum*, 15(4).
84. Kritchanchai, D., Tan, A. W. K., & Hosie, P. (2010). An empirical investigation of third party logistics providers in Thailand: barriers, motivation and usage of information technologies. *International Journal of Information Systems and Supply Chain Management (IJISSCM)*, 3(2), 68-83.
85. Kruk, M. E., Gage, A. D., Arsenault, C., Jordan, K., Leslie, H. H., Roder-DeWan, S., ... & Pate, M. (2018). High-quality health systems in the Sustainable Development Goals era: time for a revolution. *The Lancet global health*, 6(11), e1196-e1252.
86. Kumar, A., Khattar, P., Tiwari, V. K., Shivdasani, J. P., Dhar, N., & Nandan, D. (2009). An assessment of functioning of mobile medical units in Jharkhand. *Indian journal of public health*, 53(3), 157-160.
87. Kumar, A., Ozdamar, L., & Ning Zhang, C. (2008). Supply chain redesign in the healthcare industry of Singapore. *Supply chain management: an international journal*, 13(2), 95-103.

88. Kumar, R. (2012). Academic institutionalization of community health services: Way ahead in medical education reforms. *Journal of family medicine and primary care*, 1(1), 10.
89. Kumar, S., Swanson, E., & Tran, T. (2009). RFID in the healthcare supply chain: usage and application. *International journal of health care quality assurance*, 22(1), 67-81.
90. Kwon, I. W. G., Kim, S. H., & Martin, D. G. (2016). Healthcare supply chain management; strategic areas for quality and financial improvement. *Technological forecasting and social change*, 113, 422-428.
91. Langabeer, J. (2005). The evolving role of supply chain management technology in healthcare. *Journal of Healthcare Information Management: JHIM*, 19(2), 27-33.
92. Laquanda Leaven, Kamal Ahmmad, and Deemesha Peebles. "Inventory Management Applications for Healthcare Supply Chains." *International Journal of Supply Chain Management* (2017): 1-7
93. Lau, Henry CW, Li Zhao, and Dilupa Nakandala. "An intelligent approach for optimizing supply chain operations." *Journal of Economics, Business and Management* 3.6 (2015): 571-575.
94. Liu, R., Xie, X., & Garaix, T. (2014). Hybridization of tabu search with feasible and infeasible local searches for periodic home health care logistics. *Omega*, 47, 17-32.
95. Lu, H., Zhang, X., & Yang, S. (2019, September). A learning-based iterative method for solving vehicle routing problems. In *International conference on learning representations*.

96. Marikyan, D., Papagiannidis, S., Rana, O. F., & Ranjan, R. (2022). Blockchain: A business model innovation analysis. *Digital Business*, 2(2), 100033.
97. Maya, P., Sørensen, K., & Goos, P. (2012). A metaheuristic for a teaching assistant assignment-routing problem. *Computers & operations research*, 39(2), 249-258.
98. McKone-Sweet, K. E., Hamilton, P., & Willis, S. B. (2005). The ailing healthcare supply chain: a prescription for change. *Journal of Supply Chain Management*, 41(1), 4-17.
99. Meijboom, B., Schmidt-Bakx, S., & Westert, G. (2011). Supply chain management practices for improving patient-oriented care. *Supply Chain Management: An International Journal*, 16(3), 166-175.
100. Mettler, M. (2016, September). Blockchain technology in healthcare: The revolution starts here. In *2016 IEEE 18th international conference on e-health networking, applications and services (Healthcom)* (pp. 1-3). IEEE.
101. Min, Hokey. "Artificial intelligence in supply chain management: theory and applications." *International Journal of Logistics: Research and Applications* 13.1 (2010): 13-39.
102. Mobile Medical Unit (MMUs) :: National Health Mission (nhm.gov.in) (Accessed on December 05, 2022)
103. Mobile_Medical_Units.pdf (nhm.gov.in)
104. Monaghesh, E., & Hajizadeh, A. (2020). The role of telehealth during COVID-19 outbreak: a systematic review based on current evidence. *BMC public health*, 20, 1-9.

105. Moons, K., Waeyenbergh, G., & Pintelon, L. (2019). Measuring the logistics performance of internal hospital supply chains—a literature study. *Omega*, 82, 205-217.
106. Moosivand, A., Ghatari, A. R., & Rasekh, H. R. (2019). Supply chain challenges in pharmaceutical manufacturing companies: using qualitative system dynamics methodology. *Iranian journal of pharmaceutical research: IJPR*, 18(2), 1103.
107. Mosadeghrad, A. M. (2014). Factors affecting medical service quality. *Iranian journal of public health*, 43(2), 210.
108. Mourgaya, M., & Vanderbeck, F. (2007). Column generation based heuristic for tactical planning in multi-period vehicle routing. *European Journal of Operational Research*, 183(3), 1028-1041.
109. Moyimane, M. B., Matlala, S. F., & Kekana, M. P. (2017). Experiences of nurses on the critical shortage of medical equipment at a rural district hospital in South Africa: a qualitative study. *Pan African Medical Journal*, 28(1), 157-157.
110. Murshid, A. M., & Ahmad, S. N. (2011, December 28). VLSI Architecture for Fuzzy Inference Processor using Triangular-Shaped Membership Function. *Computer and Information Science*, 5(1). <https://doi.org/10.5539/cis.v5n1p113>
111. Nair, D. J., Grzybowska, H., Fu, Y., & Dixit, V. V. (2018). Scheduling and routing models for food rescue and delivery operations. *Socio-Economic Planning Sciences*, 63, 18-32.
112. Narayana, S. A., Pati, R. K., & Vrat, P. (2014). Managerial research on the pharmaceutical supply chain—A critical review and some insights for future directions. *Journal of purchasing and supply management*, 20(1), 18-40.

113. Nasir, J. A., & Kuo, Y. H. (2020). A decision support framework for home health care transportation with simultaneous multi-vehicle routing and staff scheduling synchronization. *Decision Support Systems, 138*, 113361.
114. National Academies of Sciences, Engineering, and Medicine. (2018). Factors that affect health-care utilization. In *Health-care utilization as a proxy in disability determination*. National Academies Press (US).
115. Neely, A., Mills, J., Platts, K., Richards, H., Gregory, M., Bourne, M., & Kennerley, M. (2000). Performance measurement system design: developing and testing a process-based approach. *International journal of operations & production management, 20*(10), 1119-1145.
116. Neumann, P. J., & Weinstein, M. C. (1991). The diffusion of new technology: costs and benefits to health care. *The changing economics of medical technology, 2*, 21-34.
117. Ozbaygin, G., Yaman, H., & Karasan, O. E. (2016). Time constrained maximal covering salesman problem with weighted demands and partial coverage. *Computers & Operations Research, 76*, 226-237.
118. Perlman, Y., & Levner, I. (2014). Perishable inventory management in healthcare. *Journal of Service Science and Management, 2014*.
119. Post PA. Mobile Health Care for Homeless People: Using vehicles to extend care. National Health Care for the Homeless Council. 2007; <https://www.nhchc.org/wp-content/uploads/2012/02/mobilehealth.pdf>. (Accessed 26 Mar 2022)
120. Prodhon, C. (2009). An elsxpath relinking hybrid for the periodic location-routing problem. In *Hybrid Metaheuristics: 6th International Workshop, HM*

- 2009, Udine, Italy, October 16-17, 2009. *Proceedings 6* (pp. 15-29). Springer Berlin Heidelberg.
121. Prodhon, C. (2011). A hybrid evolutionary algorithm for the periodic location-routing problem. *European Journal of Operational Research*, 210(2), 204-212.
122. Prodhon, C., & Prins, C. (2008). A memetic algorithm with population management (MA| PM) for the periodic location-routing problem. In *Hybrid Metaheuristics: 5th International Workshop, HM 2008, Málaga, Spain, October 8-9, 2008. Proceedings 5* (pp. 43-57). Springer Berlin Heidelberg.
123. Rachmania, I. N., & Basri, M. H. (2013). Pharmaceutical inventory management issues in hospital supply chains. *Management*, 3(1), 1-5.
124. Rahimnia, F., & Moghadasian, M. (2010). Supply chain leagility in professional services: how to apply decoupling point concept in healthcare delivery system. *Supply Chain Management: An International Journal*, 15(1), 80-91.
125. Raikwar, A. A., Dogra, V., Giri, A., Rathnam, N., & Hegde, S. K. (2021). Cost analysis of a mobile medical unit programme in Andhra Pradesh: a microcosting study protocol. *BMJ open*, 11(2), e038191.
126. Raikwar, A. A., Dogra, V., Giri, A., Rathnam, N., & Hegde, S. K. (2021). Cost analysis of a mobile medical unit programme in Andhra Pradesh: a microcosting study protocol. *BMJ open*, 11(2), e038191.
127. Rodríguez-Martín, I., Salazar-González, J. J., & Yaman, H. (2019). The periodic vehicle routing problem with driver consistency. *European Journal of Operational Research*, 273(2), 575-584.

128. Rossetti, C. L., Handfield, R., & Dooley, K. J. (2011). Forces, trends, and decisions in pharmaceutical supply chain management. *International journal of physical distribution & logistics management*, 41(6), 601-622.
129. Roy, A., Mitra, A., & Soman, B. (2023). Public health in India: Leveraging technology for a brighter future. *OPINIONS IN Medical Sciences, Technology and Health*, 1(2), e23014-e23014.
130. Russell, R. A., & Gribbin, D. (1991). A multiphase approach to the period routing problem. *Networks*, 21(7), 747-765.
131. Russell, R., & Igo, W. (1979). An assignment routing problem. *Networks*, 9(1), 1-17.
132. Saadi, I., Mustafa, A., Teller, J., & Cools, M. (2016). Forecasting travel behavior using Markov Chains-based approaches. *Transportation Research Part C: Emerging Technologies*, 69, 402-417.
133. Sahoo, M., Singhar, S. S., & Sahoo, S. S. (2020). A blockchain based model to eliminate drug counterfeiting. In *Machine Learning and Information Processing: Proceedings of ICMLIP 2019* (pp. 213-222). Springer Singapore.
134. Sarker, I. H. (2021). Machine learning: Algorithms, real-world applications and research directions. *SN Computer Science*, 2(3), 1-21.
135. Savaşer, S. (2017). *Periodic location routing problem: an application of mobile health services in rural area* (Doctoral dissertation, Bilkent Universitesi (Turkey)).
136. Secinaro, S., Calandra, D., Secinaro, A., Muthurangu, V., & Biancone, P. (2021). The role of artificial intelligence in healthcare: a structured literature review. *BMC Medical Informatics and Decision Making*, 21(1), 1-23.

137. Settanni, E., Harrington, T. S., & Srari, J. S. (2017). Pharmaceutical supply chain models: A synthesis from a systems view of operations research. *Operations research perspectives*, 4, 74-95.
138. Shah, R., Goldstein, S. M., Unger, B. T., & Henry, T. D. (2008). Explaining anomalous high performance in a health care supply chain. *Decision Sciences*, 39(4), 759-789.
139. Shih, L. H., & Chang, H. C. (2001). A routing and scheduling system for infectious waste collection. *Environmental Modeling & Assessment*, 6, 261-269.
140. Singh, P., Kamthane, A. R., & Tanksale, A. N. (2021). Metaheuristics for the distance constrained generalized covering traveling salesman problem. *OPSEARCH*, 58(3), 575-609.
141. Singh, S., & Badaya, S. (2014). Health care in rural India: A lack between need and feed. *South Asian journal of cancer*, 3(02), 143-144.
142. Singh, V., Chen, S. S., Singhania, M., Nanavati, B., & Gupta, A. (2022). How are reinforcement learning and deep learning algorithms used for big data based decision making in financial industries—A review and research agenda. *International Journal of Information Management Data Insights*, 2(2), 100094.
143. Sinha, K. K., & Kohnke, E. J. (2009). Health care supply chain design: toward linking the development and delivery of care globally. *Decision Sciences*, 40(2), 197-212.
144. Sousa, R. T., Liu, S., Papageorgiou, L. G., & Shah, N. (2011). Global supply chain planning for pharmaceuticals. *Chemical engineering research and design*, 89(11), 2396-2409.

145. Stecca, G., Baffo, I., & Kaihara, T. (2016). Design and operation of strategic inventory control system for drug delivery in healthcare industry. *IFAC-PapersOnLine*, 49(12), 904-909.
146. Supeekit, T., Somboonwivat, T., & Kritchanchai, D. (2016). DEMATEL-modified ANP to evaluate internal hospital supply chain performance. *Computers & Industrial Engineering*, 102, 318-330.
147. Syahrir, I., & Vanany, I. (2015). Healthcare and disaster supply chain: literature review and future research. *Procedia manufacturing*, 4, 2-9.
148. Tan, C. C. R., & Beasley, J. E. (1984). A heuristic algorithm for the period vehicle routing problem. *Omega*, 12(5), 497-504.
149. Thilakarathna, R. H., Dharmawardana, M. N., & Rupasinghe, T. (2015, December). The supply chain operations reference (SCOR) model: a systematic review of literature from the apparel industry. In *12th International Conference on Business Management (ICBM)*.
150. Uddin, M. A., Stranieri, A., Gondal, I., & Balasubramanian, V. (2021). A survey on the adoption of blockchain in iot: Challenges and solutions. *Blockchain: Research and Applications*, 2(2), 100006.
151. Uthayakumar, R., & Priyan, S. (2013). Pharmaceutical supply chain and inventory management strategies: Optimization for a pharmaceutical company and a hospital. *Operations Research for Health Care*, 2(3), 52-64.
152. Vidrova, Z. (2020). Supply chain management in the aspect of globalization. In *SHS Web of Conferences* (Vol. 74, p. 04031). EDP Sciences.
153. Walker, H., Di Sisto, L., & McBain, D. (2008). Drivers and barriers to environmental supply chain management practices: Lessons from the public and private sectors. *Journal of purchasing and supply management*, 14(1), 69-85.

154. Wang, S. P., & Lee, W. (2013). A joint economic lot-sizing model for the hospital's supplier with capacitated warehouse constraint. *Journal of Industrial and Production Engineering*, 30(3), 202-210.
155. Wang, Y., Chen, J., & Shen, Y. (2019, October). A multi-objective optimization model for vrp and vfp based on an improved ant colony algorithm. In 2019 IEEE 3rd Advanced Information Mbuangement, Communicates, Electronic and Automation Control Conference (IMCEC) (pp. 777-780). IEEE.
156. Whitney, P., White, A., Walsh, S., Dalton, A., & Brothers, A. (2011). Bayesian networks for social modeling. In *Social Computing, Behavioral-Cultural Modeling and Prediction: 4th International Conference, SBP 2011, College Park, MD, USA, March 29-31, 2011. Proceedings 4* (pp. 227-235). Springer Berlin Heidelberg.
157. Xia, Y., Fu, Z., Pan, L., & Duan, F. (2018). Tabu search algorithm for the distance-constrained vehicle routing problem with split deliveries by order. *PloS one*, 13(5), e0195457.
158. Yan, Y., Chow, A. H., Ho, C. P., Kuo, Y. H., Wu, Q., & Ying, C. (2022). Reinforcement learning for logistics and supply chain management: Methodologies, state of the art, and future opportunities. *Transportation Research Part E: Logistics and Transportation Review*, 162, 102712.
159. Yu, H. (2014). *Optimization of vehicle routing and scheduling with travel time variability-application in winter road maintenance*. New Jersey Institute of Technology.
160. Yu, S. W., Hill, C., Ricks, M. L., Bennet, J., & Oriol, N. E. (2017). The scope and impact of mobile health clinics in the United States: a literature review. *International journal for equity in health*, 16(1), 1-12.

161. Yu, S. W., Hill, C., Ricks, M. L., Bennet, J., & Oriol, N. E. (2017). The scope and impact of mobile health clinics in the United States: a literature review. *International journal for equity in health*, 16(1), 1-12.
162. Yücel, E., Salman, F. S., Bozkaya, B., & Gökalp, C. (2020). A data-driven optimization framework for routing mobile medical facilities. *Annals of Operations Research*, 291(1), 1077-1102.
163. Zepeda, E. D., Nyaga, G. N., & Young, G. J. (2016). Supply chain risk management and hospital inventory: Effects of system affiliation. *Journal of operations management*, 44, 30-47.
164. Zhang, H., Liu, Y., Zhang, Q., Cui, Y., & Xu, S. (2020). A Bayesian network model for the reliability control of fresh food e-commerce logistics systems. *Soft Computing*, 24, 6499-6519.
165. Zheng, J., Bakker, E., Knight, L., Gilhespy, H., Harland, C., & Walker, H. (2006). A strategic case for e-adoption in healthcare supply chains. *International Journal of Information Management*, 26(4), 290-301.