REFERENCES

Alfa, A. S., S. S. Heragu and M. Chen, 1991, A 3-opt based simulated annealing algorithm for vehicle routing problems. *Computers & Industrial Engineering*, vol. 21(1), pp. 635-639.

Alvarenga, G. B., G. R. Mateus and G. de Tomi , 2007, A genetic and set partitioning two-phase approach for the vehicle routing problem with time windows, *Computers & Operations Research*, vol. 34(6), pp. 1561-1584.

American-Association-of-Blood-Banks, 2007, The 2007 National Blood Collection And Utilization Survey.

Amorim, P. and B. Almada-Lobo,2014, The impact of food perishability issues in the vehicle routing problem, *Computers & Industrial Engineering*, vol. 67, pp. 223-233.

Breedam, A. V.,1995, Improvement heuristics for the Vehicle Routing Problem based on Simulated Annealing, *European Journal of Operational Research*, vol. 86, pp. 480-490.

Chen, H.-K., C.-F. Hsueh and M.-S. Chang, 2009, Production scheduling and vehicle routing with time windows for perishable food products, *Computers & Operations Research*, vol. 36(7), pp. 2311-2319.

Cordeau, J. F., M. Gendreau, G. Laporte, J. Y. Potvin and F. Semet , 2002, A guide to vehicle routing heuristics, *Journal of the Operational Research Society*, vol. 53(5), pp. 512-522.

Coy, S. P., B. L. Golden, G. C. Runger and E. A. Wasil, 2000, Using Experimental Design to Find Effective Parameter Settings for Heuristics, *Journal of Heuristics*, vol. 7, pp.77-97.

Dantzig, G. B. and J. H. Ramser, 1959, The Truck Dispatching Problem, *Management Science*, vol. 6(1), pp. 80-91.

Doerner, K. F., M. Gronalt, R. F. Hartl, G. Kiechle and M. Reimann, 2008, Exact and heuristic algorithms for the vehicle routing problem with multiple interdependent time windows, *Computers & Operations Research*, vol. 35(9), pp. 3034-3048.

Dumas, M. B. and M. Rabinowitz, 1977, Policies for Reducing Blood Wastage in Hospital Blood Banks, *Management Science*, vol. 23(10), pp. 1124-1132.

Farahani, P., M. Grunow and H. O. Günther, 2011, Integrated production and distribution planning for perishable food products, *Flexible Services and Manufacturing Journal*, vol. 24(1), pp. 28-51.

Gong, W. and Z. Fu, 2010, ABC-ACO for Perishable Food Vehicle Routing Problem with Time Windows, *Computational and and Information Sciences*, pp. 1261-1264.

Gunpinar, S. and G. Centeno, 2015, Stochastic integer programming models for reducing wastages and shortages of blood products at hospitals, *Computers & Operations Research*, vol. 54, pp. 129-141.

Gunpinar, S. and G. Centeno, 2016, An integer programming approach to the bloodmobile routing problem, *Transportation Research Part E: Logistics and Transportation Review* , vol. 86, pp. 94-115.

Hsu, C.-I., S.-F. Hung and H.-C. Li, 2007, Vehicle routing problem with time-windows for perishable food delivery, *Journal of Food Engineering*, vol. 80(2), pp. 465-475.

Kirkpatrick, S., C. D. Gelatt and M. P. Vecchi, 1983, Optimization by Simulated Annealing, *Science*, vol. 220, pp. 671-680.

Kuo, Y. ,2010,Using simulated annealing to minimize fuel consumption for the time-dependent vehicle routing problem, *Computers & Industrial Engineering* , vol. 59(1), pp. 157-165.

Laporte, G. ,1992, The Vehicle Routing Problem: An overview of exact and approximate algorithms, *European Journal of Operational Research* , vol. 59(3), pp. 345-358.

Lee, W. C. and B. W. Cheng ,2011,An Intelligent System for Improving Performance of Blood Donation, *Journal of Quality* , vol.18(2), pp. 173-185.

Lin, S.-W., K.-C. Ying, Z.-J. Lee and F.-H. His, 2006, Applying Simulated Annealing Approach for Capacitated Vehicle Routing Problems, *2006 IEEE International Conference on Systems, Man, and Cybernetics*, pp.639-644.

Lin, S.-W., V. F. Yu and S. Y. Chou, 2011, A simulated annealing heuristic for the truck and trailer routing problem with time windows, *Expert Systems with Applications* , vol. 38(12), pp. 15244-15252.

Metropolis, N., A. W. Rosenbluth, M. N. Rosenbluth, A. H. Teller and E. Teller ,1953, Equation of State Calculations by Fast Computing Machines, *The Journal of Chemical Physics*, vol. 21(6), pp. 1087.

Global Logistic Laboratory, 2015, Blood VRP, *A Three-year Research Proposal for NSC.* Dept of Industrial Management NTUST.

Oliveira, H. C. B., G. C. Vasconcelos and G. B. Alvarenga , 2006, A Multi-Start Simulated Annealing Algorithm for the Vehicle Routing Problem with Time Windows, *Proceedings of the Ninth Brazilian Symposium on Neural Networks.*

Osvald, A. and L. Z. Stirn , 2008, A vehicle routing algorithm for the distribution of fresh vegetables and similar perishable food, *Journal of Food Engineering* , vol. 85(2), pp. 285-295.

Ozener, O. O. and A. Ekici, 2011, Vehicle Routing for Blood Collection, *Proceedings of the 2011 Industrial Engineering Research Conference*.

Polacek, M., R. F. Hartl and K. Doerner, 2004, A Variable Neighborhood Search for the Multi Depot Vehicle Routing Problem with Time Windows, *Journal of Heuristics*, vol. 10, pp. 613-627.

Pop, P. C., C. P. Sitar, I. Zelina, V. Lupse and C. Chira, 2011, Heuristic algorithms for solving the generalized vehicle routing problem, *International Journal of Computers Communications & Control*, vol. 6(1), pp. 158-165.

Rabbani, M., M. J. Ramezankhani, H. Farrokhi-Aslb and A.-F. Geranmayeh , 2015, Vehicle routing with time windows and customer selection for perishable goods, *International Journal of Supply and Operations Management*, vol. 2(2), pp. 700-719.

Şahinyazan, F. G., B. Y. Kara and M. R. Taner , 2015, Selective vehicle routing for a mobile blood donation system, *European Journal of Operational Research* , vol 245(1), pp. 22-34.

Solomon, M. M. and J. Desrosiers, 1988, Survey Paper—Time Window Constrained Routing and Scheduling Problems, *Transportation Science*, vol. 22(1): 1-13.

Song, B. D. and Y. D. Ko, 2016, A vehicle routing problem of both refrigerated-and general-type vehicles for perishable food products delivery, *Journal of Food Engineering* , vol. 169, pp. 61-71.

Xiao, Y., Q. Zhao, I. Kaku and Y. Xu, 2012, Development of a fuel consumption optimization model for the capacitated vehicle routing problem, *Computers & Operations Research*, vol. 39(7), pp. 1419-1431.

Yi, J., 2003, Vehicle Routing with Time Windows and Time-Dependent Rewards: A Problem from the American Red Cross, *Manufacturing & Service Operations Management*, vol. 5(1), pp. 74-77.

Yu, V. F. and S.-W. Lin, 2014, Multi-start simulated annealing heuristic for the location routing problem with simultaneous pickup and delivery, *Applied Soft Computing*, vol. 24, pp. 284-290.

Yu, V. F., S.-W. Lin, W. Lee and C.-J. Ting, 2010, A simulated annealing heuristic for the capacitated location routing problem, *Computers & Industrial Engineering*, vol. 58(2), pp. 288-299.