

Veröffentlichungen

Peer-reviewed articles

1. I. Correia, T. **Melo**, *Integrated facility location and capacity planning under uncertainty*, Computational and Applied Mathematics 40, 175, 2021.
2. A. Aliano Filho, T. **Melo**, M. Vaz Pato, *A bi-objective mathematical model for integrated planning of sugarcane harvesting and transport operations*, Computers & Operations Research 134, article 105419, 2021.
3. C. Sauvey, T. **Melo**, I. Correia, *Heuristics for a Multi-Period Facility Location Problem with Delayed Demand Satisfaction*, Computers & Industrial Engineering 139, article 106171, 2020.
4. E.D. Güneş, T. **Melo**, S. Nickel, *Location Problems in Healthcare*. In: Location Science, G. Laporte, S. Nickel, F. Saldanha da Gama (ed.), 2nd edition, Springer, Heidelberg, ch. 23, pp. 657-686, 2019.
5. C.L. Martins, M.T. **Melo**, M.V. Pato, *Redesigning a Food Bank Supply Chain Network in a Triple Bottom Line Context*, International Journal of Production Economics 214:234-247, 2019.
6. M.J. Cortinhal, M.J. Lopes, M.T. **Melo**, *A multi-stage supply chain network design problem with in-house production and partial product outsourcing*, Applied Mathematical Modelling 70:572-594, 2019.
7. I. Correia, T. **Melo**, *A Multi-period Facility Location Problem with Modular Capacity Adjustments and Flexible Demand Fulfillment*, Computers & Industrial Engineering 110:307-321, 2017.
8. I. Correia, T. **Melo**, *Multi-period Capacitated Facility Location under Delayed Demand Satisfaction*, European Journal of Operational Research 255:729-746, 2016.
9. M.J. Cortinhal, M.J. Lopes, M.T. **Melo**, *Dynamic Design and Re-Design of Multi-Echelon, Multi-Product Logistics Networks with Outsourcing Opportunities: A Computational Study*, Computers & Industrial Engineering, 90:118-131, 2015.
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12. I. Correia, T. **Melo**, F. Saldanha da Gama, *Comparing Classical Performance Measures for a Multi-Period, Two-Echelon Supply Chain Network Design Problem with Sizing Decisions*, Computers & Industrial Engineering, 64:366-380, 2013.
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14. A. Beaudry, G. Laporte, T. **Melo**, S. Nickel, *Dynamic Transportation of Patients in Hospitals*, OR Spectrum, 32:77-107, 2010.
15. T. Hanne, T. **Melo**, S. Nickel, *Bringing Robustness to Patient Flow Management Through Optimized Patient Transports in Hospitals*, Interfaces, 39:241-255, 2009.
16. M.T. **Melo**, S. Nickel, F. Saldanha da Gama, *Facility Location and Supply Chain Management – A review*, European Journal of Operational Research, 196:401-412, 2009.
17. M.T. **Melo**, S. Nickel, F. Saldanha da Gama, *Dynamic Multi-Commodity Capacitated Facility Location: A Mathematical Modeling Framework for Strategic Supply Chain Planning*, Computers & Operations Research, 33:181-208, 2006.
18. N.P. Dellaert, M.T. **Melo**, *Approximate Solutions for a Stochastic Lot-Sizing Problem with Partial Customer-Order Information*, European Journal of Operational Research, 150:163-180, 2003.
19. T. Bender, H. Hennes, J. Kalcsics, M.T. **Melo**, S. Nickel, *Location Software and Interface with GIS and Supply Chain Management*, In: Facility Location: Applications and Theory, Z. Drezner, H. W. Hamacher (ed.), ch. 8, pp. 233-274, Springer, Heidelberg, 2002.

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32. T. Bousonville, A. Hartmann, T. **Melo**, H. Kopfer, *Vehicle Routing and Refueling: The Impact of Price Variations on Tour Length*, Proceedings of the Logistics Management Conference (LM 11), University of Bamberg, vol. 2, pp. 83-101, Germany, 2011.
33. M.T. **Melo**, S. Nickel, F. Saldanha da Gama, *Network Design Decisions in Supply Chain Planning*, Optimization of Logistics Systems – Models and Experiences, Symposium of the Collaborative Research Center 559 „Modelling of Large Logistics Networks“, P. Buchholz, A. Kuhn (ed.), pp. 1-19, Verlag Praxiswissen, Dortmund, Germany, 2008.
34. R. Velásquez, M.T. **Melo**, K.-H. Küfer, *Tactical Operating Theatre Scheduling: Efficient Appointment Assignment*, Operations Research Proceedings 2007, Selected Papers of the Annual International Conference of the German Operations Research Society, Saarbrücken, September 7-9, 2007, J. Kalcsics, S. Nickel (ed.), pp. 303-308, Springer, Berlin, 2008.
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39. J. Kalcsics, M.T. **Melo**, S. Nickel, *Mathematical Programming Models for Strategic Supply Chain Planning and Design*, Operations Research Proceedings 2002, U. Leopold-Wildburger, F. Rendl, G. Wäscher (ed.), pp. 108-113, Springer, Berlin, 2003.
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50. A. Aliano Filho, T. Melo, M. Vaz Pato, *Tactical planning of sugarcane harvest and transport operations*, Working Paper 18, Technical Reports on Logistics of the Saarland Business School, Saarland University of Applied Sciences, <http://www.htwsaar.de/wiwi/Forschung%20und%20>

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