

TANG HUAJUN



Position : Associate Professor
Faculty : School of Business
Email Address : hjtang@must.edu.mo
Telephone : (853) 8897-2874
Fax No. : (853) 2882-3281
Office : A412
Mailing Address : Avenida Wai Long, Taipa, Macau

Teaching and Research Areas :

Decision and Modeling, Transportation Optimization,
Supply Chain Financing, Supply Chain Management

Academic Qualifications

2005 - 2008 Ph.D / Management Science / The Hong Kong Polytechnic University
2002 - 2005 Master / Operations Research / Nanjing University
1998 - 2002 Bachelor / Applied Mathematics / Zhejiang Normal University

Teaching Experiences

2014.7 – present Associate Professor /MSB / Macau University of Science and Technology
2009.2 – 2014.6 Assistant Professor / FM / Macau University of Science and Technology
2009.2 – 2009.8 Assistant Researcher / Sino-US Global Logistics Institute / Shanghai Jiaotong University
2008.9 – 2009.1 Research Associate / Faculty of Business / The Hong Kong Polytechnic University

Representative Publications

Journal Articles:

1. H.J. Tang, A. Elalouf, E. Levner, & T.C.E. Cheng, Efficient computation of evacuation routes on a three-dimensional, forthcoming in Computers & IE (SCI).
2. H.J. Tang, C. Pang & C.T. Ng, Optimization of vehicle population and reduction of CO₂ emission, International Journal of Shipping and Transport Logistics(SSCI), 2014, 6(4): 412-421.
3. E. Amir, L. Eugene, H.J. Tang, An improved FPTAS for maximizing the weighted number of just-in-time jobs in a two-machine flow shop problem, Journal of Scheduling (SCI), 2013, 16, 429–435.
4. H.J. Tang, T. Ding, S.Y. Du, X.Z. Meng & M.L. Xu, Study on Macau flight catering based on ARIMA and newsvendor models, Journal of Macau University of Science and Technology, 2013, 7(1), 16-22.
5. H.J. Tang, Z.C. Sun & X.L. Xu, The influence of perceived reward for creation, exploitative learning and creative performs to job performance, Advances in Information Science and Service Science (EI), 2013, 5(3): 340-346.

6. H.J. Tang, A note on the nestedness property for ordered median problems in tree networks, *Journal of Systems Science and Complexity (SCI)*, 2013, 26: 335-340
7. A. Elalouf, E. Levner, H. Tang, Multi-agent scheduling model for maximizing agent satisfaction. - *Multi-disciplinary Trends in Artificial Intelligence, Lecture Notes in Computer Science*, 2012, 7694: 90-100.
8. H.J. Tang, T.C.E, Cheng & C.T. Ng, A note on the sub-tree ordered median problem in networks based on nestedness property, *Journal of Industrial Management and Optimization (SCI)*, 2012, 8(1): 41-49.
9. H.J. Tang, S.Y. Liu, L.Z. Chen & S.K. Fu, Study on the inventory management of oil products in Macau, *Journal of Macau University of Science and Technology*, 2012, 6(1), 8-15.
10. H.J. Tang, T.C.E, Cheng & C.T. Ng, Multi-facility ordered median problems in directed networks, *Journal of Systems Science and Complexity(SCI)*, 2011, 24: 1-7.
11. Y.D. Shi & H.J. Tang, Study on the optimal operation of free shuttle buses in Macau, *Journal of Macau University and Technology*, 2010, 4: 37-46.
12. H.J. Tang, T.C.E, Cheng & C.T. Ng, Multi-facility convex ordered median problems in networks, *Computers & IE (SCI)*, 2009, 57: 707-712.
13. H.J. Tang & Y.J. Chen, Upper signed domination number, *Discrete Mathematics (SCI)*, 2008, 308: 3416-3419.
14. H.J. Tang & Y.J. Chen, Acyclic domination number and minimum degree in 2-diameter-critical graphs, *Ars Combinatoria (SCI)*, 2008, 86: 51-56.

Academic Books / Monographs:

Book Chapters:

H.J. Tang, *Mathematical Modeling with Multidisciplinary Applications (Ch10, Decision Modeling in Supply Chain Management)*, John Wiley & Sons, Inc., 2013.

Conference Proceedings:

1. H.J. Tang & B. Huang, Analysis of an EOQ model in non-instantaneous deteriorating items, ***Proceedings of 2013 International Conference on Computers and Industrial Engineering***, CIE, v1, p 278-290, Hong Kong, 2013.
2. H.J. Tang & B. Huang, Study of EOQ model in deteriorating items with price reduction sale and permissible shortage, forthcoming in ***the Proceedings- 2013 International Conference on Engineering, Management Science and Innovation***.
3. H.J. Tang & Eugene Levner, Exact and approximation algorithms of scheduling in evacuation and recovery service, forthcoming in ***the Proceedings- 2013 International Conference on Engineering, Management Science and Innovation***.
4. H.J. Tang, X.L. Xu, B. Huang, Evaluation on Bus Rapid Transit in Macau Based on

Congestion and Emission Reduction, forthcoming in *the proceedings of 2012 International Conference on Low-carbon Transportation and Logistics, and Green Buildings*, Beijing, China, 2012.

5. X.L. Xu, H.J. Tang, C. Pang, Optimizing the population of free shuttle buses in Macau”, *Proceedings-4th International Joint Conference on Computational Sciences and Optimization*, pp: 1300-1303, Kunming, China, 2011.

Research Projects

2012 – 2013 Study of Evacuation Scheduling in Macau

2010 – 2011 Study on the Optimal Operation of Free Bus Shuttles in Macau

Membership of Academic Associations and community service

Membership of Macau Economic Association,

Membership of Macao Association for Promotion of Science and Technology

Professional Qualifications and Awards

CSO Conference (2011) Best Paper Finalist