

## 黃贊



職稱：教授  
學院/部門：商學院  
電郵地址：yuhuang@must.edu.mo  
電話：(853) 8897-2038  
傳真：(853) 2882-3281  
辦公室：O946  
郵寄地址：澳門氹仔偉龍馬路

### 教研領域

供應鏈管理；旅遊供應鏈管理；綠色供應鏈；庫存管理；博弈論；排序。

### 學歷

2006-2010 香港大學（中國香港）/ 物流與供應鏈管理專業 / 博士學位  
2004-2006 浙江大學（中國杭州）/ 運籌學與控制論專業 / 碩士學位  
2000-2004 東南大學（中國南京）/ 信息與計算科學專業 / 學士學位

### 教學經驗

2023–至今 澳門科技大學 / 商學院 / 教授  
2016–2023 澳門科技大學 / 商學院 / 副教授  
2011–2016 澳門科技大學 / 商學院 / 助理教授  
2010–2011 香港理工大學 / 酒店與旅遊管理學院 / 副研究員

### 學術成果

期刊文章：

#### *Journal Papers:*

**Y Huang**, Z Fang, K Wang. 2024. How to subsidize ecotourism in a tourism supply chain? An examination with a three-party evolutionary game model. *Journal of Cleaner Production*, 477, 143878.  
**Y Liu**, C Ma, **Y Huang\***. 2024. An Internet of Things-Based Production Scheduling for Distributed Two-Stage Assembly Manufacturing with Mold Sharing. *Machines*, 12(5), 310.  
S Zhang, Q Yu, S Wan, H Cao, **Y Huang\***. 2024. Digital supply chain: literature review of seven related technologies. *Manufacturing Review*. 11, 8.  
J.R. Chen, **Y. Huang\***, E. Q. Wu, R. Ip, K. Wang. 2023. How does rural tourism experience affect green consumption in terms of memorable rural-based tourism experiences, connectedness to nature and environmental awareness? *Journal of Hospitality and Tourism Management*, 54, 166-177.  
Y. Xiu, D. Li, M. Zhang, H. Deng, R. Law, **Y. Huang\***, E.Q. Wu, X. Xu. 2023. Finite-Time Sideslip Differentiator-Based LOS Guidance for Robust Path Following of Snake Robots, *IEEE/CAA Journal of Automatica Sinica*, 10(1), 1–15.

- Y. Huang**, K. Gao, K. Wang, H. Lv, F. Gao. 2022. Analytical target cascading for multi-level supply chain decisions in cloud perspective. *Industrial Management & Data Systems*. 122(6), 1480-1498.
- J. Yang, Y. Zhang, **Y. Huang\***, J. Lv, K. Wang. 2022. Multi-objective optimization of milling process: exploring trade-off among energy consumption, time consumption and surface roughness, *International Journal of Computer Integrated Manufacturing*. Manuscript. DOI: 10.1080/0951192X.2022.2078511.
- Z. Wei, **Y. Huang\***. 2022. Supply Chain Coordination under Carbon Emission Tax Regulation Considering Greening Technology Investment, *International Journal of Environmental Research and Public Health*. 19(15), 9232.
- K. Wang, Q. Hu, **Y. Huang\***, M. Luo, L. Zhou. 2021. A survey on meta-heuristics for solving disassembly line balancing, planning and scheduling problems in remanufacturing. *Omega*. 57, 100719.
- K. Gao, **Y. Huang**, A. Sadollah, L. Wang. 2020. A Review of Energy-efficient Scheduling in Intelligent Production Systems. *Complex & Intelligent Systems*. 6 (2), 237-249. (H-index)
- Y. Huang**, K. Wang, K. Gao, T. Qu, H. Liu. 2019. Jointly Optimizing Microgrid Configuration and Energy Consumption Scheduling of Smart Homes. *Swarm and Evolutionary Computation*. 48, 251-261.
- X. Zhang, Z. Li, **Y. Huang**, H. Tang. 2017. Performance Analysis of Reverse Auction Mechanisms Based on Petri Nets. *Advances in Mechanical Engineering*. 9(9), 1-17.
- Y. Huang**, K. Wang, T. Zhang, C. Pang. 2016. Green Supply Chain Coordination with Carbon Emissions Management: A Game-theoretic Approach. *Journal of Cleaner production*. 112, 2004-2014.
- K. Wang, **Y. Huang\***, H. Qin. 2016. A Fuzzy Logic-based Hybrid Estimation of Distribution Algorithm for Distributed Permutation Flowshop Scheduling Problems under Machine Breakdown. *Journal of the Operational Research Society*. 67, 68-82.
- S. Deng, R. Aydin, C.K. Kwong, **Y. Huang**. 2014. Integrated Product Line Design and Supplier Selection: A Multi-objective Optimization Paradigm. *Computers and Industrial Engineering*. 70, 150–158.
- Yun Huang**, H.Y. Song, G.Q. Huang, J. M. Lou. 2012. A Comparative Study of Tourism Supply Chains with Quantity Competition. *Journal of Travel Research*. 51, 717-729.
- K. Wang, S.H. Choi, H. Qin, **Y. Huang**. 2012. A Cluster-based Scheduling Model using SPT and SA for Dynamic Hybrid Flow Shop Problems. *International Journal of Advanced Manufacturing Technology*. 1-16, December.
- Y. Huang**, G.Q. Huang. 2011. Coordinating Pricing and Inventory Decisions in a Multi-Level Supply Chain: A Game-Theoretic Approach. *Transportation Research Part E: Logistics and Transportation Review*. 47(2), 115-129.

**Y. Huang**, G.Q. Huang. 2010. Price Coordination in a Three-Level Supply Chain with Different Channel Structures Using Game-Theoretic Approach. International Journal of Management Science and Engineering Management (MSEM). 5(2), 83-94.

**Y. Huang**, G.Q. Huang. 2010. Joint Pricing and Inventory Replenishment Decisions in a Multi-level Supply Chain. Engineering letter. 18(4), EL\_18\_4\_09.

**Y. Huang**, G.Q. Huang. 2010. Price Competition and Coordination in a Multi-echelon Supply Chain. IAENG Engineering letter. 18(4), EL\_18\_4\_10.

專著章節:

**Y. Huang**, G.Q. Huang. Integrated Supplier Selection, Pricing and Inventory Decisions in a Multi-level Supply Chain, Decision-Making for Supply Chain Integration, Chapter 3, 2012.

**Y. Huang**, G.Q. Huang. Nash Game-Theoretic Model for Optimizing Pricing and Inventory Policies in a Three-Level Supply Chain. Electrical Engineering and Applied Computing. LectureNotes in Electrical Engineering. 2011.

會議論文:

F. Gao, R. Ip, **Y. Huang**, H.M. Jiang. 2022. Evolutionary Game between the crowdfunding Initiators and Crowdfunding Investors. Proceedings of IEEE 9th International Conference on Industrial Engineering and Applications (ICIEA).

**Y. Huang**, K.F. Ip, W. Liang. 2019. Game Model for Optimizing Microgrid PPP Project. Proceedings of IEEE 6th International Conference on Industrial Engineering and Applications (ICIEA).

**Y. Huang**, S.Y. Wang. 2016. Multi-level Green Supply Chain Coordination with Different Power structures and Channel Structures Using Game-theoretic Approach. Proceedings of the World Congress on Engineering and Computer Science. 1, 1100-1106.

**Y. Huang**. 2013. Decentralized Configuration, Pricing and Remanufacturing Decisions in a Multi-level Green Supply Chain. Proceedings of the World Congress on Engineering and Computer Science. 2, 1127-1136.

**Y. Huang**. 2013. Coordinating Pricing and Replenishment Strategies in a Three-level Supply Chain. Proceeding of the International Conference on Computers and Industrial Engineering (CIE43). 1, 132-136.

**Y. Huang**. 2012. Price Competition in Tourism Supply Chain with Hotels and Travel Agency. Proceeding of the International Conference on Low-carbon Transportation and Logistics, and Green Buildings. 1, 419-424.

**Y. Huang**, G.Q. Huang, X.N. Liu. 2012. Cooperative Game-theoretic Approach for Supplier Selection, Pricing and Inventory Decisions in a Multi-level Supply Chain. Proceeding of the International Multiconference of Engineers and Computer Scientists. 2, 1402-1406.

**Y. Huang**, G.Q. Huang. 2010. Game-theoretic Coordination of Marketing and Inventory Policies in a Multi-Level Supply Chain (Best student paper award). Proceedings of the World Congress on Engineering.

**Y. Huang**, G.Q. Huang. 2010. Game-theoretic Price Coordination in a Three-Level Supply Chain with Different Channel Structures. Proceedings of International Conference of Manufacturing Engineering and Engineering Management.

**Y. Huang**, G.Q. Huang. 2009. Game Theory Approach for Coordinating Marketing and Inventory Policies in a Two-Echelon Supply Chain with Retailers Competition. Proceedings of INFORMS International Conference on Service Science.

**Y. Huang**, G.Q. Huang. 2008. Optimal Pricing for a Three-Level Supply Chain with Different Channel Structures Using Game-theoretic Approach. Proceedings of Hamburg International Conference of Logistics.

### 研究項目

2012 – 2013	Comparative Studies of Tourism Supply Chains with Price Competition/ Project Investigator/Funded by Macau University of Science and Technology
2012 – 2013	Development of Macau Tourism Supply Chain / Project Investigator/Funded by Macau Foundation
2014–2017	Petri-net Based Discrete Events System Asymptotic Stability Controller Synthesis and Optimization/Project Co-Investigator/Funded by Macau Science and Technology Development Foundation
2016-2019	Studies on the joint planning and scheduling of multiple hospital operating rooms under unconventional emergencies / Project Co-Investigator / The National Natural Science Foundation of China
2018–2020	Jointly Optimization for Coordinated Microgrid Configuration and Energy Consumption Scheduling of Smart Homes by a Stackelberg Game/ Project Investigator/Funded by Macau University of Science and Technology
2023-2024	Mode Sharing and Distributed Assembly Flow-shop Scheduling Problem with Internet of Things/ Project Investigator/Funded by Macau University of Science and Technology

### 科普項目

2013	Supply Chain Management and Logistics Information System Summer Camp/ Project Investigator/Funded by Macau Science and Technology Development Foundation
------	--

### 專業資格認證及獎項

CILT Chartered Member, 中國運籌學會理事

ICIEA – committee member

MSIE – Committee member