

## **Ming-Feng Yang**

National Taiwan University of Science and Technology, Department of Industrial Management

Office: 02-2462-2192 # 7031

Home: 02-2462-2192 # 7031

Email: yang60429@mail.ntou.edu.tw

### **Research Interests**

---

Warehouse management, Supply chain management, System simulation, Decision support system

### **Education**

---

**PhD, National Taiwan University of Science and Technology (02/2007)**

**Master of Production System Engineering and Management, National Taipei University of Science and Technology (08/1997~06/1999)**

**Bachelor of Industrial Management, National Taiwan University of Science and Technology (08/1993~06/1995)**

### **Work Experience**

---

1. **Assistant Professor**, Department of Information Management, Yuda University of Business and Technology (08/2001~07/2010)
2. **Director of Admissions Center**, Yuda University of Commerce and Technology (08/2008~07/2009)
3. **Jingwen Middle School Teacher** (08/1999~07/2001)
4. **Full-time Secretary of Chinese Industrial Engineering Society** (08/1997~07/1998)
5. **Full-time teaching assistant at National Taipei University of Science and Technology** (02/1997~08/1997)
6. **Full-time Lecturer in Culture** (08/1995~02/1997)

### **Publications (in preparation for journal submissions)**

---

1. N. Ndraha, H.I. Hsiao\*, J. Vlajic, **M.F. Yang**, H.T. Lin(2018, Jul),” Time-temperature abuse in the food cold chain: Review of issues, challenges, and recommendations” ,*Food Control*,89,12-21.(SCI,Impact Factor = 3.667).

2. **M.F. Yang** and Y. Lin\*(2018, Mar), “Integrated Inventory Model with Backorder and Minimal Repair in a Supply Chain” ,*Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture*,232(3), 546-560.(SCI,Impact Factor = 1.445)
3. Y.L. Su , **M.F. Yang** , Mengru Tu , Yi Lin(2018, Jan),” Optimal Imperfect Preventive Maintenance Logistic Inventory Model With Backorder And Minimal Repair,” *Journal of Marine Science and Technology-Taiwan*,26(1),50-63. (SCI, Impact Factor = 0.372).
4. Mengru Tu\*, Ming K Lim, **M.F. Yang** (2018, Jan), "Internet of Things-based production logistics and supply chain system-Part 1: Modeling IoT-based manufacturing supply chain,"*Industrial Management and Data Systems*, 118(1),65-95.(SCI, Impact Factor = 2.205).
5. Mengru Tu\*, Ming K Lim, **M.F. Yang** (2018, Jan), " Internet of Things-based production logistics and supply chain system-Part 2: IoT-based cyber-physical system: A framework and evaluation,"*Industrial Management and Data Systems*, 118(1),96-124.(SCI, Impact Factor = 2.205).
6. Hsin-I Hsiao, Mengru Tu\*,**M.F. Yang**, Wei-Chung Tseng (2017, Jun), "Deteriorating inventory model for Ready-to-eat food under fuzzy environment," *International Journal of Logistics Research and Applications*,20(6),560-580. (SSCI, Impact Factor = 1.018).
7. **M.F. Yang**, Y.Y. Zou, M.C. Lo and Y.T. Chao,(2016,March) “Integrated supply chain inventory model with progressive carbon taxation” , Lecture Notes in Engineering and Computer Science, (EI)
8. M.C. Lo, **M.F. Yang\***, T.S. Hung and S.F. Wang,(2016,March) “Integrated Assembled Production Inventory Model” , Lecture Notes in Engineering and Computer Science, (EI)

9. **M.F. Yang**, Y. Lin\*, W.F. Kao and L.H. Ho(2016, Mar).An Integrated Multi-echelon Logistics Model with Uncertain Delivery Lead Time and Quality Unreliability, *Mathematical Problems in Engineering* (Accepted).(SCI)
10. **M.F. Yang\***, M.C. Lo and W.H. Chen(2015, Nov).Optimal Strategy for the Three-echelon Inventory System with Defective Product, Rework and Fuzzy Demand under Credit Period, *Engineering Letters*, Vol.23(2015),No.4,312-317. (EI)
11. **M.F. Yang\*** and Y. Lin (2015, Jul). Process is unreliable and quantity discounts supply chain integration inventory model.*American Journal of Engineering and Applied Sciences*, Vol.8(2015),No.4,602-610. (EI)
12. **M. F. Yang\***and W.C. Tseng(2015, Apr).Deteriorating Inventory Model for Chilled Food. *Mathematical Problems in Engineering*, Volume 2015, Article ID 816876, 10 pages.(SCI, 23/90 ,ENGINEERING, MULTIDISCIPLINARY).
13. **M.F. Yang\***, Wei Hao Chen, Jun Yuan Kuo and Yi Lin (2015, Apr). Integrated supply chain cooperative inventory model with payment period being dependent on purchasing price under defective rate condition. *Mathematical Problems in Engineering*, Volume 2015, Article ID 816876, 10 pages.(SCI, 23/90 ,ENGINEERING, MULTIDISCIPLINARY).
14. **M.F. Yang\***, Y.T. Chou, M.C. Lo, andWei Hao Chen,(2015, Mar).Three-echelon Inventory Model with DefectiveProduct and Rework Considerations under CreditPeriod,Lecture Notes in Engineering and Computer Science, 2015(2),883-887.(EI)
15. **M.F. Yang** (2014, Sep). An Integrated Inventory Model for Deteriorating Product under Inflationary Condition. *The Scientific World Journal*, (Accepted). (SCI, 16/55,MULTIDISCIPLINARY SCIENCES).
16. C.Y. Chiu, Y. Lin, and **M.F. Yang** (2014, Jul). Applying Fuzzy Multi objective Integrated Logistics Model to Green Supply Chain Problems. *Journal of Applied Mathematics*, Volume 2014, Article ID 767095, 12 pages. (SCI, 104/247,MATHEMATICS, APPLIED ). NSC 100-2410-H-019-004.
17. **M. F. Yang**and W.C. Tseng (2014, May). Three-Echelon Inventory Model with Permissible Delay in Payments under Controllable Lead Time and Backorder Consideration. *Mathematical Problems in Engineering*, Volume

2014, Article ID 809149, 16 pages. (SCI, 23/90 ,ENGINEERING, MULTIDISCIPLINARY).

18. **M.F. Yang**, Y.T. Chou, M.C. Lo, and W.C. Tseng (2014, Mar). Applying Fuzzy Time Distribution in PERT Model. Lecture Notes in Engineering and Computer Science, 2210,1084-1087.(EI).

### **Publications (in refereed conference proceedings)**

1. M. F. Yang, Mengru Tu, Ying-Yi Lai (2017), "Integrated Inventory Model Considering Carbon Tax in Green Environment," Proceedings of the 2017 IEEE 4th International Conference on Industrial Engineering and Applications, 95-99, Nagoya, Japan. (EI)
2. J.S. Hu, P. F. Tsai and M. F. Yang, (2013, July) "A robust policy for the integrated single-vendor single-buyer inventory system in a supply chain", The Institute of Industrial Engineers Asian Conference 2013.(EI)
3. M. F. Yang, Ming-Cheng Lo\*, Chun-Ying Huang (2012, Jul) Decision support system for periodic review inventory model with backorder price discounts under controllable lead time. The 2012 International Conference on Business and Information (BAI2012) Sapporo, Japan.
4. M.F. Yang, M.C. Lo, Y. Lin and Y.K. Chung, "A study of integrated inventory models with varying demand and quality improvement", The 2010 International Conference on Business and Information (BAI2010), (Accepted on 27-02-2010). (NSC 98-2410-H-412-002)
5. H.J. Tu and M.F. Yang," An integrated model for the assessment of collaboration in the supply chain" 2010 IEEE International Conference on Advanced Management Science (IEEE ICAMS 2010), (Accepted on 01-04-2010) (EI).

### **Professional Services**

Supply Chain Management Lab

### **Languages**

English, Chinese