



Dr. TIAN, Yihui



Position: Associate Dean/Associate Professor
Faculty: Faculty of Business
Email Address: yhtian@cityu.edu.mo
Telephone: +853 8590 2678
Office: 4th Floor, Luso-Chinese Building

Links

- ORCID: <https://orcid.org/0000-0002-3667-1215>
- Google Scholar:
<https://scholar.google.com.hk/citations?user=GbPcy3gAAAAJ&hl=zh-CN>
- ResearchGate: <https://www.researchgate.net/profile/Yihui-Tian>

Research Areas:

Sustainable Supply Chain Management

Digital Operations Management

Carbon Neutrality

Industry Data Analysis

Teaching Areas:

Management Information System

Operations Management

Research Methods

International Operations Management Strategy

Education:

Ph.D. in Business Management, Dalian University of Technology

Major: Business Management (Environmental Management)

BA in Management, Dalian University of Technology

Major: Information Management and Information Systems

Academic Appointments:

Faculty of Business, City University of Macau, Macau, China

Associate Dean/Associate Professor

2021-present

The Hong Kong Polytechnic University, Hong Kong, China

“Hong Kong Scholars Program” Postdoctoral Research Fellow
2016-2018

School of Economics and Management, Dalian University of Technology, China

Director of Institute of Tourism and Environmental Management 2019-2021

Assistant Professor, Associate Professor 2013-2021

Representative Publications:

Publications in Refereed Journals

- (1) **Yihui Tian***, Qinyuan Zhang, Tiffany C. H. Leung (2025). Multi-factor Driving Paths of Green Supply Chain Management Implementation in Leading Manufacturers: A Fuzzy-set Qualitative Comparative Analysis. *International Journal of Production and Economics*, 287, 109689. (SSCI Q1, **ABDC-A**, **ABS-3**)
- (2) **Yihui Tian***, Enyi Lai, Yuxi Fu, Yanchen Li (2025). Exploring the Impacts of ESG Disclosure on Corporate Financing Constraints: A Perspective of Classifying Corporate Carbon Emissions. *Corporate Social Responsibility and Environmental Management*, 1-28. (SSCI Q1, **ABS-1**)
- (3) **Yihui Tian**, Lingjun Ou, Jingwei Guo, Zhen-Song Chen*, Zhaoxi Chen (2025). A Configuration of Green and Low-Carbon Strategy in Clean Energy Economy: A Perspective of Supply Chain Management. *Energy*, 135642. (SCI Q1)
- (4) **Yihui Tian***, Qinyuan Zhang, Enyi Lai, Kevin Hannam (2025). How to improve the sustainability of end-of-life vehicles (ELVs): Exploring extended producer responsibility in the Chinese automobile industry. *Transportation Journal*, 64(4), e70012. (SSCI, **ABDC-B**)
- (5) Lingjun Ou, **Yihui Tian*** (2025). Decoding Enterprise Digital Transformation: A Multi-Theoretical Exploration. *Information Development*, 02666669251315838. (SSCI Q2)
- (6) **Yihui Tian***, Lingjun Ou (2024). Exploring the influencing mechanisms of different digital transformation stages: an industry perspective. *Enterprise Information Systems*, 18(2), 2417407. (SCI Q1, **ABDC-A**, **ABS-2**)
- (7) Jingwei Guo, Xiang Guo, **Yihui Tian**, Hao Zhan, Zhen-Song Chen, Muhammet Deveci* (2024). Making data classification more effective: An automated deep forest model. *Journal of Industrial Information Integration*, 42, 100738. (SCI Q1)
- (8) Qi Chang, **Yihui Tian***, Nan Xia, Lingyun Gao (2024). Challenges and countermeasures for China's centralized volume-based procurement policy in healthcare. *International Journal of Health Planning and Management*, 39(5), 1-20. (SSCI)
- (9) **Yihui Tian***, Lingjun Ou (2023). How do personality traits of college students affect their learning flow experience? *Learning and Motivation*, 83, 101917. (SSCI)

- (10) Kangye Tan, **Yihui Tian**, Fang Xu and Chunsheng Li* (2023), Research on Multi-Objective Optimal Scheduling for Power Battery Reverse Supply Chain, *Mathematics*, 11(4), 901. (SCI Q1)
- (11) Haifen Lin*, Tingchen Qu, Li Li, **Yihui Tian** (2020). The paradox of stability and change: a case study, *Chinese Management Studies*, 14(1), 185-21. (SSCI)
- (12) Wenhua Wang, **Yihui Tian**, Qinghua Zhu* (2017). Barriers for household e-waste collection in China: Perspectives from formal collecting enterprises in Liaoning Province, *Journal of Cleaner Production*. 153, 299-308. (SCI Q1, **ABDC-A**)
- (13) Peijia Huang, Juan Zhao, Yong Geng, **Yihui Tian**, Ping Jiang (2017). Energy-related GHG emissions of the textile industry in China, *Resources, Conservation and Recycling*, 119, 69-77. (SCI Q1)
- (14) Qinghua Zhu, **Yihui Tian** (2016). Developing a remanufacturing supply chain management system: A case of a successful truck engine remanufacturer in China, *Production Planning & Control*, 27(9), 708-716. (SCI Q1, **ABDC-A, ABS-3**)
- (15) Martin Agyemang, Qinghua Zhu, **Yihui Tian** (2016). Analysis of Opportunities for Greenhouse Emission Reduction in the Global Supply Chains of Cashew Industry in West Africa, *Journal of Cleaner Production*, 115, 149-161. (SCI Q1, **ABDC-A**)
- (16) Yunting Feng, **Yihui Tian**, Qinghua Zhu (2016). A combined input-output/Decision Making Trial and Evaluation Laboratory method for evaluating effect of the remanufacturing sector development, *Journal of Cleaner Production*, 114, 103-113. (SCI Q1, **ABDC-A**)
- (17) **Yihui Tian**, Qinghua Zhu (2015). Greenhouse Gas Emission Assessment of Chinese Container Terminals: A Hybrid Approach of IPCC method and Input-Output Analysis, *International Journal of Shipping and Transport Logistics*, 7(6), 758-779. (SSCI)
- (18) **Yihui Tian**, Kannan Govindan, Qinghua Zhu (2014). A system dynamics model based on evolutionary game theory for green supply chain management diffusion among manufactures, *Journal of Cleaner Production*, 80, 96-105. (SCI Q1, **ABDC-A**)
- (19) **Yihui Tian**, Qinghua Zhu, Kee-hung Lai, Y.H. Venus Lun (2014). Analysis of greenhouse gas emissions of freight transport sector in China, *Journal of Transport Geography*, 40, 43-52. (SSCI Q1, **ABDC-A, ABS-2**)
- (20) **Yihui Tian**, Qinghua Zhu, Yong Geng (2013). An analysis of energy-related greenhouse gas emissions in the Chinese iron and steel industry, *Energy Policy*, 56: 352-361. (SSCI Q1, **ABDC-A, ABS-2**)
- (21) Qinghua Zhu, **Yihui Tian**, Joseph Sarkis (2012). Diffusion of selected green supply chain management practices: an assessment of Chinese enterprises, *Production Planning & Control*, 23(10-11): 837-850. (SCI Q1, **ABDC-A, ABS-3**)

Book/Chapter

Zhen Liu, **Yihui Tian**, Enyi Lai (2024) Theory and Practice of Corporate Social Responsibility, Modern Press, Beijign. ISBN 978-7-5231-1101-7.

Azevedo, S., Cruz-Machado, V., Hofstetter, J., Cudney, E., **Yihui Tian**. (2013), Chapter title: 'Importance of green and resilient SCM practices for the competitiveness of the automotive industry', *Reverse supply Chains issues and analysis*, CRC Press, Boca Raton. ISBN 978-1-439-89902-1, 229-252.

Commissioned Research Projects

Principal Investigator and Co-Principal Investigator

- (1) Principal Investigator. **Macau Foundation** (2023, Jan 2023 - Jun 2024): Research on the Configuration of Driving Factors for the Implementation of Green Supply Chain Management in Hotel Industry in Guangdong Hong Kong Macao Greater Bay Area.
- (2) Co-Principal Investigator. **Higher Education Fund of the Macao SAR Government** (HSS-MUST-2021-10, Jan 2022-Dec 2023): Implementation and Weight Determination of Supply Chain Resilience Practices.
- (3) Principal Investigator. **Hong Kong Scholars Program** (2015-136, Jun 2016 - Jun 2018): Environmental supply chain resilience.
- (4) Principal Investigator. **National Natural Science Foundation of China** (71402016, Jan 2015 - Dec 2017): A study on green supply chain management diffusion mechanism among manufacturing enterprises.
- (5) Principal Investigator. **The Fundamental Research Funds for the Central Universities** (Jun 2016-Jun 2017) : Research on the influence of government on the competition among remanufacturing enterprises
- (6) Principal Investigator. **The Fundamental Research Funds for the Central Universities** (Jan 2014-Dec 2015) : Research on Simulation of Remanufacturing Closed Supply Chain Based on GIS

Co-Investigator

- (1) Co-Investigator. **National Key Basic Research Development Plan (973)** (2011CB013406, Nov 2011 – Oct 2016): Decision support and comprehensive evaluation theory of remanufacturing process.
- (2) Co-Investigator. **National Science Fund for Distinguished Young Scholars** (71025002, Jan 2011 - Dec 2014): Logistics and supply chain management.
- (3) Co-Investigator. **The Major Research Plan of National Social Science Fund of China** (13&ZD147 , Jan 2014 - Jun 2016): Research on Basic Theoretical Issues in EPR Implementation.
- (4) Co-Investigator. **National Natural Science Foundation of China** (71602181 , Jan 2017 - Dec 2019): Research on the Evaluation Method and Performance Realization Mechanism of Social Responsibility Management Practice of SOE Extended Supply Chain.
- (5) Co-Investigator. **National Natural Science Foundation of China** (71473029, Jan 2015 - Dec 2018): Research on Measurement and Evaluation of Urban Sustainable Consumption.