



Associate Professor Dr. Janya Chanchaichujit

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PROFILE IN BRIEF

EDUCATION

- 2015 PhD (Logistics and Supply Chain Management)
 - Curtin University, Perth, Australia
- 2010 Diploma (Management Science)
 - Japan-American Institute of Management Science (JAIMS), Hawaii, USA
- 2000 MSc (Operational Research)
 - University of Hertfordshire, Hertfordshire, UK
- 1997 BSc (Mathematics)
 - Mahidol University, Bangkok, Thailand

CERTIFICATE

- 2015 Supply Chain Analytics
 - MIT EdX -Online
- 2012 Supply Chain Management
 - Council of Supply Chain Management Professional, USA
- 2009 Logistics Management
 - The Association for Overseas Technical Training, Japan

Dr. Janya Chanchaichujit is an Associate Professor in Logistics and Supply Chain Management, Director, Center for Sustainable Logistics and Supply Chain Management in the faculty of Environmental Management and Assistant President for Promoting of Foreign Affairs at Prince of Songkla University in Thailand. She is also an Academic Advisory Board and Research Associates at Center for Supply Chain Excellence at Middlesex University, Dubai. Prior to work at Prince of Songkhla University, she was a Director of Center for International Affairs and Head, of Logistics and Business Analytics Center of Excellence at Walailak University, Thailand. Before that, Dr. Chanchaichujit was a lecturer at Curtin University, Australia and Logistics Manager at Siam Sempermed Corporation in Thailand.

Dr. Chanchaichujit holds a PhD in Logistics and Supply Chain Management from Curtin University in Australia, and MSc in Operational Research from the University of Hertfordshire in the UK, and a BSc in Mathematics from Mahidol University in Thailand. She also receives a Graduate Diploma and certificates in Management Science and Supply Chain Management from various institutions in USA and Japan.

Dr. Chanchaichujit is at the forefront of the development of operations, logistics and supply chain management research which was recognized in academic and industry. Her works has been published in leading LO&SCM international journals and she has been invited to participate in academic and industry as keynote speaker and visiting lecturer.

Dr. Chanchaichujit' s research interest focuses on incorporating various aspects of operational research applications, mathematical modelling techniques, and technologies into the design and operation of green and sustainable logistics and supply chain management.

Apart from research and teaching, Dr. Chanchaichujit is also actively providing consulting services on technology transformation, operations management, feasibility study and business model to public and private organization varies from freight and transportation, to manufacturing, retail and healthcare.

CURRENT POSITIONS

Present-2023	Assistant President for Promoting of Foreign Affairs • Prince of Songkla University, Thailand
Present-2022	Associate Professor (Logistics and Supply Chain Management) • Faculty of Environmental Management, Prince of Songkla University, Thailand
Present -2022	Director, Center for Sustainable Logistics and Supply Chain Management • Faculty of Environmental Management, Prince of Songkla University, Thailand
Present-2021	Academic Advisory Board, Center for Supply Chain Excellence • Middlesex University Dubai, UAE
Present-2021	Affiliated Members & Research Associates, Center for Supply Chain Excellence • Middlesex University Dubai, UAE

WORK EXPERIENCES

2024-2023	Deputy Dean, Graduate School • Prince of Songkla University
2021-2008	Associate Professor (Logistics and Supply Chain Management) • Walailak University, Thailand
2021-2018	Director, Center for International Affairs • Walailak University, Thailand
2021-2017	Head, Logistics and Business Analytics Center of Excellence • Walailak University, Thailand
2021-2016	Guest Speaker and Visiting Lecturer in Operations, Logistics and Supply Chain Management • Middlesex University Dubai, UAE • Reading University, Malaysia Campus • Malaysia Institute for Supply Chain Innovation (MISI)
2016-2012	Lecturer (Logistics and Supply Chain Management), School of Information Systems • Curtin University, Australia
2008-2001	Logistics Manager • Siam Sempermed Corporation, Thailand
1998-1996	Actuary • Muang Thai Life Assurance Company Limited, Thailand

RESEARCH PROJECTS

2025-2024	Decarbonizing SCGJWD Logistics Office of National Higher Education Science Research and Innovation Policy Council (NXPO) on Program Management Unit for Competitiveness and Co-Funding by SCGJWD Logistics (Grant 4.2 Million Baht)
2024-2023	The development of Net Zero Emissions execution roadmap and tools for sustainable logistics and parcel delivery service: Thailand Post Company Limited Office of National Higher Education Science Research and Innovation Policy Council (NXPO) on Program Management Unit for Competitiveness and Co-Funding by Thailand Post Company Limited (Grant 6.5 Million Baht)
2023-2023	The development of a monitoring and evaluation data management system for Medical use of Artificial Intelligence Thailand Center of Excellence for Life Science (TCELS) (Grant 1 Million Baht)
2021-2020	Queue management for air cargo terminal operations The National Research Council of Thailand funding (Grant 2.25 Million Baht)
2020-2019	The development of transportation management technology at Suvarnabhumi airport The Thai Research Fund (Grant 3.92 Million Baht)
2019-2018	An implementation of smartbackhaul system at Donmueng airport and Bangkok port The Thai Research Fund (Grant 1.9 Million Baht)
2018-2018	How Big Data analytics is transforming Healthcare supply chain? A Lesson from Singapore National Health Group Walailak University Institute of Research and Innovation research fund (Grant 0.24 Million Baht)
2019-2018	A Traffic Management System in Suvarnbhumi Airport Free Zone The Thai Research Fund (Grant 2.2 Million Baht)
2018-2017	Feasibility study and gap analysis of holistic elderly care Thailand Center of Excellence for Life Sciences funding (Grant 0.85 Million Baht)
2018-2017	A Smart backhaul trucking system The Thai Research Fund (Grant 4.98 Million Baht)
2017-2017	Tungsong ICD feasibility study (Phase I) Tungsong municipality research fund (Grant 2.2 Million Baht)
2016-2016	Using Simulation Tools to model Renewable Resources: The case of the Thai Rubber Industry Curtin University ORS research grant (Grant AUD 6,000)

CONSULTANT SERVICES

Present-2021	Consultant (Project: Country Situation Study on Smart Logistics Technology Readiness for Agricultural Supply Chains in Five Mekong Countries namely Cambodia, Lao PDR, Myanmar, Thailand and Vietnam) • Mekong Institute, Thailand
Present-2021	Consultant (Project: Research on Status Prospects of Digital Connectivity in Micro, Small and Medium Enterprise (MSMEs) in the Lancang-Mekong Countries) • Mekong Institute, Thailand and People's Government of the People's Republic of China, China
2021-2020	Consultant (Project: Integrating Human Mobility into Cross Border Trade, Trade Facilitation, and Border Management in the Greater Mekong subregion during COVID-19) • Mekong Institute, Thailand and International Office of Migration, UK
2021-2020	Consultant (Project: Green Freight and Logistics Development in Mekong Countries) • Mekong Institute, Thailand in collaborated with Mekong – Korea Cooperation
2021-2020	Consultant (Project: Feasibility study of Porcine Epidemic Diarrhea Vaccine (PEDV)) • National Science and Technology Development Agency, Thailand
2021-2020	Consultant (Feasibility study for the Interactive wireless endoscope) • National Science and Technology Development Agency, Thailand
2021-2020	Consultant (Queue management for air cargo terminal operations) • Thai Airways International (Cargo Business), Thailand
2021-2020	Consultant (Tungsong ICD Feasibility Study) • Tungsong Municipality, Thailand
2019-2017	Consultant (The development of transportation management technology for airfreight) • Airport of Thailand (AOT), Thailand
2019-2017	Consultant (A Traffic Management Systems at Donmuang Airport) • Airport of Thailand (AOT), Thailand
2018-2017	Consultant (Feasibility study, business plan and concept design for factory of rubber serum extract) • Thailand Center of Excellence for Life Science, Thailand

RESEARCH AWARD

2020

- The highest number of publications researcher of the year (Research productivity: Scopus/ISI), Walailak University

2019

- Bronze Award: Best Innovation Research, National Research Council of Thailand
- Best Research Award for commercialization research, Institute of Research and Innovation, Walailak University

BOOK

- **Chanchaichujit, J.**, Tan, A. Meng, F. and Eaimkong, S. (2019), "Health4.0- Next Generation Processes With The Latest Technologies", *Palgrave Macmillan imprint published by Springer Nature*, Singapore (ISBN 978-981-13-8113-3, ISBN 978-981-13-8114-0 eBook)
- **Chanchaichujit, J.**, and Saavedra-Rosas, J. (2018). "Using Simulation Tools to Model Renewable Resources: The case of the Thai Rubber Industry", *Palgrave Macmillan imprint published by Springer International*, Switzerland (ISBN 978-3-319-55815-8, ISBN 978-3-319-55816-5 eBook)

BOOK CHAPTERS

- **Chanchaichujit, J.**, Balasubramanian, S., Sreejith, Sony. (2025), A Roadmap for Industry 5.0 Adoption in the Agricultural Sector: A case study of Thailand. In: K E K, V., Rajak, S., Kumar, V., Mor, R.S., Assayed, A (eds) *Emerging Digitalization Trends in Business and Management: A Roadmap to Industry 5.0*. Apple Academic Press (On Press) (ISBN 9781774917046, ISBN 9781003503354 eBook)
- **Chanchaichujit, J.**, Balasubramanian, S., Shukla, V., Upadhyay, A., Kumar, A. (2024), Enablers and Benefits of Supply Chain Digitalization: An Empirical Study of Thai MSMEs. In: K E K, V., Rajak, S., Kumar, V., Mor, R.S., Assayed, A (eds) *Industry 4.0 Technologies: Sustainable Manufacturing Supply Chains . Environmental Footprints and Eco-design of Products and Processes*. Springer, Singapore. (https://doi.org/10.1007/978-981-99-4894-9_8) (ISBN 978-981-99-4893-2, ISBN 978-981-99-4894-9 eBook)

PUBLICATIONS IN REFEREED JOURNALS

- **Chanchaichujit, J.**, Balasubramanian, S., Kaitheri, S.K., Sreejith, S., Chanchaichujit, K. (2025). "Modelling the enablers of Industry 4.0 technology adoption in agricultural supply chains in emerging economies", *Journal of Agribusiness in Developing and Emerging Economies*, Vol. ahead-of-print No. ahead-of-print
- **Chanchaichujit, J.**, Balasubramanian, S., Wong, W.P., Jomthanachai, S. (2025), "The Development of GHG Emissions Calculation Platform for Postal Supply Chain", *Procedia Computer Science*, 2025, 253, pp. 2186–2195

- Chanchaichujit, J., Balasubramanian, S. and Shukla, V. (2024), "Barriers to Industry 4.0 technology adoption in agricultural supply chains: a Fuzzy Delphi-ISM approach", *International Journal of Quality & Reliability Management*. Vol. 41 No. 7. pp.1942-1978 <https://doi.org/10.1108/IJQRM-07-2023-0222>
- Sunmola, F., Burgess, P., Tan, A., **Chanchaichujit, J.**, Balasubramanian, S. and Mahmud, M. (2023), "Prioritising Visibility Influencing Factors in Supply Chain for Resilience". *Procedia Computer Science*, 217(2023), pp. 1589-1598 (DOI: 10.1016/j.procs.2022.12.359)
- Sarabdeen, J., Balasubramanian, S., Lindsay, V., **Chanchaichujit, J.*** and Sreejith, S. (2023), "Employer Branding: Confirmation of a measurement model and its implication for Managing the workforce", *Journal of General Management*, Vol.48 (2), pp.153-170 (DOI: 10.1177/03063070221079574)
- Habib, MA., Balasubramanian*, S., Shukla, V., Chitakunye, D., and **Chanchaichujit, J.** (2022). "Practices and performance outcomes of green supply chain management initiatives in the garment industry", *Management of Environmental Quality*, vol 33 (4), pp 882-912
- Sehgal, R., Balasubramanian, S., Sreejith, S. and **Chanchaichujit, J.*** (2021), "Transformational Leadership and Employee Innovation: Examining the Congruence of Leader and Follower Perceptions". *Journal of General Management*, Vol.47(1), pp.18-30 (DOI:10.1179/03063070211013337)
- Rao, P., Balasubramanian, S., Vihari, N., Jabeen, S., Shukla, V. and **Chanchaichujit, J.*** (2021), "The E-commerce Supply Chain and Environmental Sustainability: An Empirical Investigation on the Online Retail Sector", *Cogent Business & Management*
- Balasubramanian, S., Shukla, V., Mangla, S., and **Chanchaichujit, J.** (2021), "Do firm characteristics affect environmental sustainability?: A literature review -based assessment", *Business Strategy and The Environment*, Vol,30, Iss.2, pp. 1389-1416. (DOI: doi.org/10.1002/bse.2692)
- Chamchang, P. and **Chanchaichujit, J.** (2020), "Performance analysis in managing truck handling export cargo at Suvarnabhumi airport free zone using a simulation model. *Journal of Business, Economics and Communications* 15(2), 27-42. (<http://soo2.tci-thaijo.org/index.php/BECJournal/article/view/213455>).
- **Chanchaichujit, J*.**, Balasubramanian, S. & Ng. C. (2020). A systematic literature review on the benefit-drivers of RFID implementation in supply chains and its impact on organizational competitive advantage. *Cogent Business & Management*, 7:1, 1818408 (DOI: doi.org/10.1080/23311975.2020.1818408)
- **Chanchaichujit, J*.**, Balasubramanian, S., Shukla, V. and Saavedra-Rosas, J. (2020), "Multi-objective Decision Model for Green Supply Chain Management", *Cogent Business & Management*, Vol.7, Iss.1, 1783177. (DOI: doi.org/10.1080/23311975.2020.1783177)
- Balasubramanian, S., Shukla, V. and **Chanchaichujit, J.** (2020), "Firm Size implications for environmental sustainability of supply chains: Evidence from the UAE", *Management of Environmental Quality*, Vol.31, Iss.5, pp.1375-1406 (DOI: doi.org/10.1108/MEQ-01-2020-0004)
- **Chanchaichujit, J*.**, Pham Q.C. and Tan, A. (2019), "Sustainable Supply Chain Management: A literature review of recent mathematical modelling approaches", *International Journal of Logistics Systems and Management*, Vol.33, No.4, pp 467-496. (DOI: doi.org/10.1504/ijlsm.2019.10013981)
- **Chanchaichujit*, J.**, Saavedra-Rosas, J. and Kaur, A. (2016) "Analyzing impact of restructuring transportation, production and distribution on costs and environment- A case from the Thai Rubber industry", *International Journal of Logistics Research and Applications*, Vol.20, Iss.3 pp: 237-253. (DOI: doi.org/10.1080/13675567.2016.1217317)
- Tan, A., **Chanchaichujit, J.** (2016). "A Decision-Making Framework for Reverse Logistics Network Design", *MIT Global Scale Network*, Online, Iss.16-05, pp: 1-14.

- **Chanchaichujit, J*.,** Saavedra-Rosas, J., Quaddus, M., and West, M. (2016), "The use of an optimisation model to design a green supply chain: A Case Study of the Thai rubber industry", *International Journal of Logistics Management*, Vol.27, Iss.2. pp: 595-618. (DOI:doi.org/10.1108/ijlm.10.2013.0121)
- **Chanchaichujit, J*.,** Quaddus, M.A., West, M., and Saavedra-Rosas, J. (2012). "An optimization based decision support model for Thai Rubber industry supply chain". IEEE International Conference on Industrial Engineering and Engineering Management.

INVITED SPEAKER

- Invited Speaker topic "Empowering Sustainable Futures: Education's Role in driving Decarbonization and Global Collaborations" at the International Conference on Business Sustainability and Innovative Management Organized by National Pingtung University, Taiwan, 25 October 2024
- Invited Speaker topic "Driving Low-Carbon Transformation in Freight Transport: Measuring, Reducing and Optimizing Emissions" at the LogiMAT-LogiSYM 2024 Cold Chain Thailand 2024, BITEC Bangkok Thailand, 16-17 October 2024
- Invited Speaker topic "The Key Drivers for Inclusive Green Transition" at ESG Symposium 2024 Driving Inclusive Green Transition, 30 September 2024
- Invited Speaker topic "Empowering sustainable futures: The Logistics Academy's role in driving decarbonization and global collaboration" at Global Sustainable Development Congress (GSDC) 2024, 11 July 2024 Organized by Times Higher Education and MHESI Thailand
- Invited Speaker topic "Reducing carbon footprint in freight transportation: perspectives from ASEAN" at the National capacity building workshop on "Enhancing energy efficiency of the freight transport sector in Asia and the Pacific", organized by UNESCAP and National Polytechnic University of Armenia at Yerevan Armenia, 29 May 2024
- Invited Speaker topic "Decarbonize Logistics and Transportation Sector in Thailand" Webinar series "Toward Just Energy Transition in Thailand Logistics and Transportation Sectors" Virtual, Organized by SDG Move Thailand, Thammasat University and Center for Sustainable Logistics and Supply Chain Management, 12 Jan 2024.
- Invited Speaker topic "Transforming to Net Zero Emissions in Transport and Logistics" at the National Capacity Building Workshop on Supporting the policies on green and resilient transport infrastructure along the ASIAN Highway Network, organized by UNESCAP and Ministry of Digital Development and Transport of Azerbaijan at Baku Azerbaijan, 30 November 2023
- Invited Speaker topic "The development of Net Zero Emissions Roadmap and Tools for Sustainable Parcel Delivery Service" at 2023 Asia-Pacific Solution Forum (APSF) organized by UN Sustainable Development Solution Network at Sunway Resort Hotel, Kuala Lumpur Malaysia, 2 November 2023
- Invited Speaker topic "Net Zero Emissions: New Challenges for Thai Logistics Sector in Global Supply Chain" at TiLog Logistix 2023, Bangkok Thailand, 18 August 2023
- Invited Speaker topic "Green Parcel: University Actions Towards Net Zero Emissions- University Industry Partnership" at The International Conference on Technology, Innovation, and Sustainability in Business Management (ICTIS 2023), Middlesex University Dubai, 4 May 2023
- Invited Speaker topic "Green Parcels: University Actions towards Zero Emission" Sustainable University Network Thailand at Prince of Songkla University (Pattani campus) 21 April 2023
- Panel discussion "A Sustainable and resilient Asian Highway Network to Support SDG Implementation in Asia and the Pacific 10th Asia-Pacific Forum on Sustainable Development

- (APFSD)", Virtual, Hosted by United Nations Development Programme (UNDP) and Economic and Social Commission for Asia and the Pacific (ESCAP), 27 March 2023
- Panel Discussion "Connectivity and Supply Chain Resilience", 7th Roundtable of ASEAN-India Network of Think-Tanks (AINTT), ASEAN-India Center , 12-13 May, 2022
 - Panel Discussion "The Role of Woman Leaders in Building Resilient Supply Chains", Centre for Supply Chain Excellence, Middlesex University and Help Logistics, Feb 25,2022
 - Special track conference chair "Sixth International Conference on Emerging Research Paradigms in Business and Social Sciences" Middlesex University, Dubai, 24-26 February 2022
 - Invited Speaker topic "Current Situation on Digital Connectivity for MSMEs in the Lancang-Mekong Countries", Online Workshop on Digital Connectivity in the Lancang-Mekong Countries, Online Event, Dec20-22, 2021
 - Conference Chair and Symposium Committee "Student Research Symposium", Walailak University and Middlesex University Joint Student Research Symposium, Online Event, Sep, 2021
 - Conference Chair and Symposium Committee "Supply Chain Disruption, Digitization and Rise of E-Commerce", Walailak University and Middlesex University Joint Supply Chain Research Symposium, Online Event, Sep, 2021
 - Invited Speaker topic "Green Supply Chain Management Model for the Thai Rubber Industry" MDX Research Workshop, Middlesex University, Dubai, UAE
 - Panel Discussion "Technology Solutions in Transport and Logistics Sector", GMS Logistics Forum 2021: Seizing Opportunities-Logistics and Infrastructure Potential in the Eastern Economic Corridor, Thailand
 - Invited Speaker topic "Backhauling in Thailand: Practical Implementation, Challenges and Benefits" at 5th International Conference on Emerging Research Paradigms in Business and Social Science in Middlesex University, Dubai, UAE
 - Invited Panelist "Mobility: The smarter, more efficient movement of knowledge, idea people and goods" at 5th International Conference on Emerging Research Paradigms in Business and Social Science in Middlesex University, Dubai, UAE
 - Invited Speaker "Backhauling in Thailand: Practical Implementation, Challenges and Benefits" at Research Seminar - Ajman University, UAE
 - Invited Speaker at Research Workshop series theme "Applying Big Data analytics and technologies to build an exploratory model" University of Reading, Malaysia campus, Malaysia
 - Conference Chair "Blockchain Technology in Supply Chain Management": The 8th International Conference on Operations and Supply Chain Management (OSCM); 9-12 September 2018, Cranfield UK
 - Conference Co-Chair, Workshop Chair of Sustainability and Smart technology, 26th International World Wide Web Conference 2017: 3-7 April, Perth Australia