Kongkidakhon Worasan, Ph.D.
Assistant Professor
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Qualification: Scholarly Academic (SA)

Academic Background

Ph.D. Khon Kaen University.

M.Eng Khon Kaen University.

B.Eng Khon Kaen University.

Work Experience

Teaching

Courses Taught

Bachelor Degree

Statistics for Management

Production Management and Service

Business Project Management

Logistics and Supply Chain Management

Quantitative Analysis for Management

Seminar in Management I

Master' s Degree

Supply Chain Management

Transportation Management

Logistics Management

Seminar in Logistics Management

Doctoral Degree

Dissertation

Advanced optimization for business

Seminar in Logistics and Supply Chain

Intellectual Contributions

Refereed Articles

Basic or Discovery Scholarship

Rapeepan, P., Kanchana, S., Worasan, K., & Golinska-Dawson, P. (in press, 2024). Utilization of data and information flows for enhancing a chambermaid scheduling decision making in a smart hospitality supply chain. *Annals of Operations Research*.

Phengsuk, T., Worasan, K., & Saenchaiyathon, K. (2023). The Influence of Supply Chain Strategy and Supply Chain Design on Supply Chain Resilience under Uncertain Circumstances: A Review of the Literature. *E3S Web of Conferences, 440*, 1-10.

Worasan, K., Moonsri, K., & Saenchaiyathon, K. (2023). The Novel Strategy of Differential Evolution for Multi-Fleet Size and Vehicle Routing Problem in Logistics Service Providers. *E3S Web of Conferences, 440*, 1-10.

Worasan, K., Sethanan, K., Pitakaso, R., Jamrus, T., Moonsri, K., Paulina Golinska-Dawson (2023). A hybridization of PSO and VNS to solve the machinery allocation and scheduling problem under a machinery sharing arrangement.

Intelligent Systems with Applications, 18.

Moonsri, K., Sethanan, K., & Worasan, K. (2022). A Novel Enhanced Differential Evolution Algorithm for Outbound Logistics of the Poultry Industry in Thailand. *Journal of Open Innovation: Technology, Market, and Complexity, 8 (1)*, 15.

Moonsri, K., Sethanan, K., Worasan, K., & Nitisiri, K. (2022). A Hybrid and Self-Adaptive Differential Evolution Algorithm for the Multi-Depot Vehicle Routing Problem in Egg Distribution. *Applied Sciences, 12 (1)*, 35.

Worasan, K., Sethanan, K., Moonsri, K., & Golinska-Dawson, P. (2022). The multi-product vehicle routing problem with cross-docking: a novel strategy hybrid bat algorithm for Industry 3.5 in Thailand's food industry. *International Journal of Logistics Research and Applications*.

Srichok, T., Pitakaso, R., Sethanan, K., Kumphon, O., Worasan, K., Pattanapairoj, S (2021). Novel approach to find the optimal parameters of a tractor disc plough used for land preparation. *Engineering Optimization*, 1-17.

Worasan, K., Sethanan, K., Pitakaso, R., Moonsri, K., & Nitisiri, K. (2020). Hybrid particle swarm optimization and neighborhood strategy search for scheduling machines and equipment and routing of tractors in sugarcane field preparation*Computers and Electronics in Agriculture, 178*, 105733.

Worasan, K., Sethanan, K., & Moonsri, K. (2018). Hybrid Differential Evolution and Particle Swarm Optimization Algorithm for the Sugarcane Cultivation Scheduling Problem. *Chiang Mai University Journal of Natural Sciences, 17 (3)*, 241-258.

Refereed Proceedings

Basic or Discovery Scholarship

Seehamart, M., Moonsri, K., & Worasan, K. (2021). "The location-allocation model of Nakhon Ratchasima Bus Terminal". *International Conference on ECTI-CARD 2021, 28-30 April,2021 , Fortune River View Hotel Nakhon Phanom, Thailand*

Moonsri, K., Worasan, K., & Sethanan, K. (2021). Vehicle routing problem with cross docking: A hybrid Particle Swarm Optimization algorithm. *International Conference on 15th International Congress on Logistics and SCM Systems (ICLS),1-3 July 2021, Poznan, Poland*.

Thumrongvut, P., Sethanan, K., Worasan, K., & Jamrus, T. (2021). "Modified Differential Evolution for Solving Tourist Route Planning with Tourism Service Provider Eligibility Constraints". *International Conference on 15th International Congress on Logistics and SCM Systems (ICLS),1-3 July 2021, Poznan, Poland*.

Worasan, K., Sethanan, K., & Moonsri, K. (2019). "Differential Evolution Algorithm for flexible flow shop scheduling with blocking constraint on the Sugarcane planting Problem". *International Conference on International Ph.D. Symposium on Industrail Engineering 2019, Nov 8, 2019. Khonkaen University Science Park, Khon Kaen University,Thailand*

Service

Last updated by member on 07-Apr-23 (05:42 PM)