

- Simangunson, E., Hendry, L., Stevenson, M. Supply chain uncertainty: a review and theoretical foundation for future research, *International Journal of Production Research*, vol. 50, no. 16, pp. 4493-4523, 2012.
- Singh, B., Garg, S., Sharma, S. Value stream mapping: Literature review and implications for Indian industry, *International Journal of Advanced Manufacturing Technology*, vol. 53, no. 5-8, pp. 799-809, 2011.
- Standridge, C., Marvel, J. Why Lean Needs Simulation, Winter Simulation Conference, pp. 1907-1913, 2006.
- Tegner, M. et al. Lean office e BPM: proposition and application of the method to reduce waste in administrative areas, *Produção Online*, vol. 16, no. 3, pp. 1007-1032, 2016 (in Portuguese).
- Tortorella, G., Fogliatto, F., Anzanello, M., Marodin, G., Garcia, M., Reis Esteves, R. Making the value flow: application of value stream mapping in a Brazilian public healthcare organisation, *Total Quality Management & Business Excellence*, vol. 28, no.13-14, pp. 1544-1558, 2017.
- Tyagi, S. et al. Value stream mapping to reduce the lead-time of a product development process, *International Journal of Production Economics*, vol. 160, pp. 202-212, 2015.
- Van Der Vorst, J., Beulens, A. Identifying sources of uncertainty to generate supply chain redesign strategies, *International Journal of Physical Distribution & Logistics Management*, vol. 32, no. 6, pp. 409-430, 2002.
- Wee, H., Wu, S. Lean supply chain and its effect on product cost and quality: a case study on Ford Motor Company, *Supply Chain Management: An International Journal*, vol. 14, no. 5, pp. 335-341, 2009.
- Woehrle, S., Abou-Shady, L. Using dynamic value stream mapping and lean accounting box scores to support lean implementation, *American Journal of Business Education*, vol. 3, no. 8, pp. 67-76, 2010.
- Womack, J., Jones, D. *Lean thinking: banish waste and create wealth in your corporation*. Simon and Schuster, New York, 2010.
- Wong, C., Boon-Itt, S., Wong, C. The contingency effects of environmental uncertainty on the relationship between supply chain integration and operational performance, *Journal of Operations Management*, vol. 29, no. 6, pp. 604-615, 2011.
- Wu, T., Blackhurst, J., Chidambaram, V. A model for inbound supply risk analysis, *Computers in Industry*, vol. 57, no. 4, pp. 350-365, 2006.

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