**CHAPTER-10**

**REFERENCE**

[1] D.-Y. Lin, C.-J. Juan, and C.-C. Chang, ‘‘Managing food safety with pricing, contracts and coordination in supply chains,’’ IEEE Access, vol. 7, pp. 150892–150909, 2019.

[2] H. Fan, ‘‘Theoretical basis and system establishment of China food safety intelligent supervision in the perspective of Internet of Things,’’ IEEE Access, vol. 7, pp. 71686–71695, 2019.

[3] M. Toledo-Hernández, T. Tscharntke, A. Tjoa, A. Anshary, B. Cyio, and T. C. Wanger, ‘‘Hand pollination, not pesticides or fertilizers, increases cocoa yields and farmer income,’’ Agricult., Ecosyst. Environ., vol. 304, Dec. 2020, Art. no. 107160.

[4] J. Himmelstein, A. Ares, D. Gallagher, and J. Myers, ‘‘A meta-analysis of intercropping in Africa: Impacts on crop yield, farmer income, and integrated pest management effects,’’ Int. J. Agricult. Sustainability, vol. 15, no. 1, pp. 1–10, Jan. 2017.

[5] Y. Dong, Z. Fu, S. Stankovski, S. Wang, and X. Li, ‘‘Nutritional quality and safety traceability system for China’s leafy vegetable supply chain based on fault tree analysis and QR code,’’ IEEE Access, vol. 8, pp. 161261–161275, 2020.

[6] C. Ganeshkumar, M. Pachayappan, and G. Madanmohan, ‘‘Agri-food supply chain management: Literature review,’’ Intell. Inf. Manage., vol. 9, no. 2, pp. 68–96, 2017.

[7] Q. Lin, H. Wang, X. Pei, and J. Wang, ‘‘Food safety traceability system based on blockchain and EPCIS,’’ IEEE Access, vol. 7, pp. 20698–20707, 2019.

[8] H. Feng, X. Wang, Y. Duan, J. Zhang, and X. Zhang, ‘‘Applying blockchain technology to improve agri-food traceability: A review of development methods, benefits and challenges,’’ J. Cleaner Prod., vol. 260, Jul. 2020, Art. no. 121031.

[9] S. Nakamoto, ‘‘Bitcoin: A peer-to-peer electronic cash system,’’ White Paper, 2008. Accessed: Jun. 26, 2020. [Online]. Available: <https://bitcoin.org/bitcoin.pdf>

[10] F. Tian, ‘‘An agri-food supply chain traceability system for China based on RFID & blockchain technology,’’ in Proc. 13th Int. Conf. Service Syst. Service Manage. (ICSSSM), Jun. 2016, pp. 1–6.

[11] F. Tian, ‘‘A supply chain traceability system for food safety based on HACCP, blockchain & Internet of Things,’’ in Proc. 14th Int. Conf. Service Syst. Service Manage. (ICSSSM), Jun. 2017, pp. 1–6.

[12] K. Toyoda, P. T. Mathiopoulos, I. Sasase, and T. Ohtsuki, ‘‘A novel blockchain-based product ownership management system (POMS) for anti-counterfeits in the post supply chain,’’ IEEE Access, vol. 5, pp. 17465–17477, 2017.

[13] M. P. Caro, M. S. Ali, M. Vecchio, and R. Giaffreda, ‘‘Blockchain-based traceability in agri-food supply chain management: A practical implementation,’’ in Proc. IoT Vertical Topical Summit Agricult. Tuscany (IOT Tuscany), May 2018, pp. 1–4.

[14] D. Mao, F. Wang, Z. Hao, and H. Li, ‘‘Credit evaluation system based on blockchain for multiple stakeholders in the food supply chain,’’ Int. J. Environ. Res. Public Health, vol. 15, no. 8, p. 1627, Aug. 2018.

[15] Y.-P. Lin, J. Petway, J. Anthony, H. Mukhtar, S.-W. Liao, C.-F. Chou, and Y.-F. Ho, ‘‘Blockchain: The evolutionary next step for ICT e-agriculture,’’ Environments, vol. 4, no. 3, p. 50, Jul. 2017.

[16] D. Tse, B. Zhang, Y. Yang, C. Cheng, and H. Mu, ‘‘Blockchain application in food supply information security,’’ in Proc. IEEE Int. Conf. Ind. Eng. Eng. Manage. (IEEM), Dec. 2017, pp. 1357–1361.

[17] S. A. Abeyratne and R. P. Monfared, ‘‘Blockchain ready manufacturing supply chain using distributed ledger,’’ Int. J. Res. Eng. Technol., vol. 5, no. 9, pp. 1–10, Sep. 2016.

[18] A. M. Ableeva, G. A. Salimova, N. T. Rafikova, I. I. Fazrahmanov, Z. A. Zalilova, T. N. Lubova, G. R. Nigmatullina, I. N. Girfanova, F. F. Farrakhova, and A. M. Hazieva, ‘‘Economic evaluation of the efficiency of supply chain management in agricultural production based on multidimensional research methods,’’ Int. J. Supply Chain Manage., vol. 8, no. 1, p. 328, 2019.

[19] J. A. O. Castro and W. A. Jaimes, ‘‘Dynamic impact of the structure of the supply chain of perishable foods on logistics performance and food security,’’ J. Ind. Eng. Manage., vol. 10, no. 4, pp. 687–710, 2017.

[20] M. I. Shongwe and C. N. Bezuidenhout, ‘‘A heuristic for the selection of appropriate diagnostic tools in large-scale sugarcane supply systems,’’ AIMS Agricult. Food, vol. 4, no. 1, pp. 1–26, 2019.

[21] A. Dwivedi, A. Jha, D. Prajapati, N. Sreenu, and S. Pratap, ‘‘Meta-heuristic algorithms for solving the sustainable agro-food grain supply chain network design problem,’’ Modern Supply Chain Res. Appl., vol. 2, no. 3, pp. 161–177, Nov. 2020.

[22] Y. Kocaoglu, E. Cakmak, B. Kocaoglu, and A. T. Gumus, ‘‘A novel approach for optimizing the supply chain: A heuristic-based hybrid algorithm,’’ Math. Problems Eng., vol. 2020, pp. 1–24, Feb. 2020.

[23] D. Battini, A. Gunasekaran, M. Faccio, A. Persona, and F. Sgarbossa, ‘‘Consignment stock inventory model in an integrated supply chain,’’ Int. J. Prod. Res., vol. 48, no. 2, pp. 477–500, Jan. 2010.

[24] A. Samadi, N. Mehranfar, A. M. F. Fard, and M. Hajiaghaei-Keshteli, ‘‘Heuristic-based metaheuristics to address a sustainable supply chain network design problem,’’ J. Ind. Prod. Eng., vol. 35, no. 2, pp. 102–117, Feb. 2018.

[25] M. A. N. Agi, S. Faramarzi-Oghani, and Ö. Hazır, ‘‘Game theory-based models in green supply chain management: A review of the literature,’’ Int. J. Prod. Res., pp. 1–20, Jun. 2020, doi: 10.1080/00207543.2020.1770893.

[26] A. Raj, I. Biswas, and S. K. Srivastava, ‘‘Designing supply contracts for the sustainable supply chain using game theory,’’ J. Cleaner Prod., vol. 185, pp. 275–284, Jun. 2018.

[27] K. Halat and A. Hafezalkotob, ‘‘Modeling carbon regulation policies in inventory decisions of a multi-stage green supply chain: A game theory approach,’’ Comput. Ind. Eng., vol. 128, pp. 807–830, Feb. 2019.

[28] N. N. Vasnani, F. L. S. Chua, L. A. Ocampo, and L. B. M. Pacio, ‘‘Game theory in supply chain management: Current trends and applications,’’ Int. J. Appl. Decis. Sci., vol. 12, no. 1, pp. 56–97, 2019.

[29] D. Ivanov, S. Sethi, A. Dolgui, and B. Sokolov, ‘‘A survey on control theory applications to operational systems, supply chain management, and industry 4.0,’’ Annu. Rev. Control, vol. 46, pp. 134–147, Jan. 2018.

[30] Z. Wu and D. Chen, ‘‘New optimal-control-based advertising strategies and coordination of a supply chain with differentiated products under consignment contract,’’ IEEE Access, vol. 7, pp. 170703–170714, 2019.

[31] W. Zhao and D. Wang, ‘‘Simulation-based optimization on control strategies of three-echelon inventory in hybrid supply chain with order uncertainty,’’ IEEE Access, vol. 6, pp. 54215–54223, 2018.

[32] V. L. M. Spiegler, A. T. Potter, M. M. Naim, and D. R. Towill, ‘‘The value of nonlinear control theory in investigating the underlying dynamics and resilience of a grocery supply chain,’’ Int. J. Prod. Res., vol. 54, no. 1, pp. 265–286, Jan. 2016.

[33] R. S. Sutton and A. G. Barto, Reinforcement Learning: An Introduction. Cambridge, MA, USA: MIT Press, 2018.

[34] P. Jinqi, P. Taiyang, and R. Lei, ‘‘The supply chain network on cloud manufacturing environment based on COIN model with Q-learning algorithm,’’ in Proc. 5th Int. Conf. Enterprise Syst. (ES), Sep. 2017, pp. 52–57.

[35] L. Kemmer, H. von Kleist, D. de Rochebouët, N. Tziortziotis, and J. Read, ‘‘Reinforcement learning for supply chain optimization,’’ in Proc. Eur. Workshop Reinforcement Learn., 2018, pp. 1–9.

[36] A. Habib, M. I. Khan, and J. Uddin, ‘‘Optimal route selection in complex multi-stage supply chain networks using SARSA(λ),’’ in Proc. 19th Int. Conf. Comput. Inf. Technol. (ICCIT), Dec. 2016, pp. 170–175.

[37] V. Mnih, K. Kavukcuoglu, D. Silver, A. Rusu, J. Veness, M. Bellemare, A. Graves, M. Riedmiller, A. Fidjeland, G. Ostrovski, and S. Petersen, ‘‘Human-level control through deep reinforcement learning,’’ Nature, vol. 518, no. 7540, p. 529, 2015.

[38] I. Goodfellow, Y. Bengio, and A. Courville, Deep Learning. Cambridge, MA, USA: MIT Press, 2016.

[39] H. Gilbert and H. Handschuh, ‘‘Security analysis of SHA-256 and sisters,’’ in Proc. 10th Int. Workshop Sel. Areas Cryptogr. (SAC). Berlin, Germany: Springer, 2003, pp. 175–193.

[40] National Bureau of Statistics of China, China Statistical Yearbook, China Statist. Press, Beijing, China, 2019.

[41] K. J. O’Dwyer and D. Malone, ‘‘Bitcoin mining and its energy footprint,’’ in Proc. 25th IET Irish Signals Syst. Conf. China-Ireland Int. Conf. Inf. Communities Technol. (ISSC /CIICT). Edison, NJ, USA: IET, 2014, pp. 280–285.

[42] M. Abadi, P. Barham, J. Chen, Z. Chen, A. Davis, J. Dean, M. Devin, S. Ghemawat, G. Irving, M. Isard, and M. Kudlur, ‘‘TensorFlow: A system for large-scale machine learning,’’ in Proc. 12th USENIX Symp. Operating Syst. Design Implement. (OSDI), vol. 16, 2016, pp. 265–283.