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International Journal Publications: 61

LIST OF PUBLICATIONS

1. Aadithya, B. G., Asokan, P., & Vinodh, S. (2020). Application of interpretive structural modelling for analysis of lean adoption barriers in heavy industry. International Journal of Lean Six Sigma.
2. Vinodh, S. (2020). Sustainable Manufacturing: Concepts, Tools, Methods and Case Studies. CRC Press.
3. Agrawal, R., & **Vinodh, S**. (2020). Life Cycle Assessment of an Additive Manufactured Automotive Component. In *Advances in Additive Manufacturing and Joining* (pp. 219-228). Springer, Singapore.
4. **Vinodh, S**., & Agrawal, R. (2019). Application of Interpretive Structural Modelling for analysis of factors influencing Sustainability in Higher Education. In *Higher Education and Sustainability* (pp. 117-131). CRC Press.
5. Kumar, S. S., & **Vinodh, S**. (2019). Application of interpretive structural modelling for analysis of factors influencing composite fabrication using additive manufacturing. *International Journal of Materials Engineering Innovation*, *10*(3), 218-245.
6. Agrawal, R., & **Vinodh, S**. (2019). State of art review on sustainable additive manufacturing. *Rapid Prototyping Journal*.
7. Agrawal, R., & **Vinodh, S**. (2019). Application of total interpretive structural modelling (TISM) for analysis of factors influencing sustainable additive manufacturing: a case study. *Rapid Prototyping Journal*.
8. Ruben, R. B., **Vinodh, S**., & Asokan, P. (2019). Application of multi-grade fuzzy and ANFIS approaches for performance analysis of Lean Six Sigma system with sustainable considerations. *International Journal of Services and Operations Management*, *33*(2), 239-261.
9. **Vinodh, S**., & Asokan, P. (2019). State of art perspectives of lean and sustainable manufacturing. *International Journal of Lean Six Sigma*.
10. Thirupathi, R. M., **Vinodh, S**., Ben Ruben, R., & Antony, J. (2019). Application of environmentally conscious manufacturing strategies for an automotive component. *International Journal of Sustainable Engineering*, *12*(2), 95-107.
11. **Vinodh, S**., & Manjunatheshwara, K. J. (2019). 16 ChAPtEr Models and Approaches for Sustainable Performance Measurement. *Sustainable Material Forming and Joining*, 367.
12. Thirupathi, R. M., **Vinodh, S**., & Dhanasekaran, S. (2019). Application of system dynamics modelling for a sustainable manufacturing system of an Indian automotive

component manufacturing organisation: a case study. *Clean Technologies and Environmental Policy*, 1-17.
13. Vimal, K. E. K., **Vinodh, S**., & Jayakrishna, K. (2019). Application of fuzzy QFD for improving the process sustainability characteristics: a case study. *International Journal of Services and Operations Management*, *32*(2), 173-201.
14. Manjunatheshwara, K. J., & **Vinodh, S**. (2018). Grey-based decision-making method for sustainable material selection of tablet device enclosure. *Clean Technologies and Environmental Policy*, *20*(10), 2345-2356.
15. Manjunatheshwara, K. J., & **Vinodh, S**. (2018). Application of TISM and MICMAC for analysis of influential factors of sustainable development of tablet devices: a case study. *International Journal of Sustainable Engineering*, *11*(5), 353-364.
16. Muruganantham, G., **Vinodh, S**., Arun, C. S., & Ramesh, K. (2018). Application of interpretive structural modelling for analysing barriers to total quality management practices implementation in the automotive sector. *Total Quality Management & Business Excellence*, *29*(5-6), 524-545.
17. Anand, M. B., & **Vinodh, S**. (2018). Application of fuzzy AHP–TOPSIS for ranking additive manufacturing processes for microfabrication. *Rapid Prototyping Journal*.
18. **Vinodh, S**., & Asokan, P. (2018). ISM and Fuzzy MICMAC application for analysis of Lean Six Sigma barriers with environmental considerations. *International Journal of Lean Six Sigma*.
19. Ruben, R. B., **Vinodh, S**., & Asokan, P. (2018). Lean Six Sigma with environmental focus: review and framework. *The International Journal of Advanced Manufacturing Technology*, *94*(9-12), 4023-4037.
20. Bharathi, S. K., **Vinodh, S**., & Gopi, N. (2018). Development of software support for process FMEA: a case study. *International Journal of Services and Operations Management*, *31*(4), 415-432.
21. **Vinodh, S**., & Patil, D. (2018). Modelling Factors Influencing Lean Concept Adoption in a Food Processing SME for Ensuring Sustainability. In *Sustainable Operations in India* (pp. 93-111). Springer, Singapore.
22. **Vinodh, S**., & Dhakshinamoorthy, A. M. (2018). Application of structural equation modeling for analysis of lean concepts deployment in healthcare sector. In *Progress in Lean Manufacturing* (pp. 91-103). Springer, Cham.
23. **Vinodh, S**., & Shinde, P. (2018). Parametric Optimization of 3D Printing Process Using MCDM Method. In *Precision Product-Process Design and Optimization* (pp. 141-159). Springer, Singapore.
24. Ben Ruben, R., **Vinodh, S**., & Asokan, P. (2017). Implementation of Lean Six Sigma framework with environmental considerations in an Indian automotive component manufacturing firm: a case study. *Production Planning & Control*, *28*(15), 1193-1211.
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27. Vimal, K. E. K., **Vinodh, S**., & Raja, A. (2017). Optimization of process parameters of SMAW process using NN-FGRA from the sustainability view point. *Journal of Intelligent Manufacturing*, *28*(6), 1459-1480.

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29. Ruben, R. B., Asokan, P., & **Vinodh, S**. (2017). Performance evaluation of lean sustainable systems using adaptive neuro fuzzy inference system: a case study. *International Journal of Sustainable Engineering*, *10*(3), 158-175.
30. Agrawal, R., Asokan, P., & **Vinodh, S**. (2017). Benchmarking fuzzy logic and ANFIS approaches for leanness evaluation in an Indian SME: a case study. *Benchmarking: An International Journal*, *24*(4), 973-993.
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33. Singh, A. K., & **Vinodh, S**. (2017). Modeling and performance evaluation of agility coupled with sustainability for business planning. *Journal of Management Development*, *36*(1), 109-128.
34. Mohan, N., Senthil, P., **Vinodh, S**., & Jayanth, N. (2017). A review on composite materials and process parameters optimisation for the fused deposition modelling process. *Virtual and Physical Prototyping*, *12*(1), 47-59.
35. Jayakrishna, K., & **Vinodh, S**. (2017). Application of grey relational analysis for material and end of life strategy selection with multiple criteria. *International Journal of Materials Engineering Innovation*, *8*(3-4), 250-272.
36. Veeramanikandan, R., Nithish, S., Sivaraj, G., & **Vinodh, S**. (2017). Life cycle assessment of an aircraft component: a case study. *International Journal of Industrial and Systems Engineering*, *27*(4), 485-499.
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42. C Vasanthakumar, **S Vinodh,** K Ramesh, 2016, Application of interpretive structural modelling for analysis of factors influencing lean remanufacturing practices, International Journal of Production Research, 54 (24), 7439-7452.

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44. Sonu Rajak, **S Vinodh,** 2015, Application of fuzzy logic for social sustainability performance evaluation: a case study of an Indian automotive component manufacturing organization, Journal of Cleaner Production, 108, 1184-1192.
45. Vikas Swarnakar, **S Vinodh,** 2016, Deploying Lean Six Sigma framework in an automotive component manufacturing organization, International Journal of Lean Six Sigma, 7 (3), 267-293.
46. R Vidyadhar, R Sudeep Kumar, **S Vinodh,** Jiju Antony, 2016, Application of fuzzy logic for leanness assessment in SMEs: a case study, Journal of Engineering, Design and Technology, 14 (1), 78-103.
47. K Jayakrishna, S **Vinodh, S** Anish, 2016, A Graph Theory approach to measure the performance of sustainability enablers in a manufacturing organization, International Journal of Sustainable Engineering, 9 (1), 47-58.
48. Kumbhar Mahesh Suresh, P Asokan, **S Vinodh,** 2016, Application of design for Six Sigma methodology to an automotive component, International Journal of Six Sigma and Competitive Advantage, 10(1), 1-23
49. **S Vinodh,** Vikas Swarnakar, 2015, Lean Six Sigma project selection using hybrid approach based on fuzzy DEMATEL–ANP–TOPSIS, International Journal of Lean Six Sigma, 6 (4), 313-338
50. **S Vinodh**, T Selvaraj, Suresh Kumar Chintha, Vimal KEK, 2015, Development of value stream map for an Indian automotive components manufacturing organization, Journal of Engineering, Design and Technology, 13 (3), 380-399.
51. Jayakrishna, K., Vimal KEK, Sekar Vinodh, 2015, ANP based sustainable concept selection, Journal of Modelling in Management , 10 (1), 118-136.
52. **S Vinodh,** V Kamala, K Jayakrishna, 2015, Application of fuzzy axiomatic design methodology for selection of design alternatives, Journal of Engineering, Design and Technology,13 (1), 2-22.
53. KEK Vimal, **S Vinodh,** R Muralidharan, 2015, An approach for evaluation of process sustainability using multi-grade fuzzy method, International Journal of Sustainable Engineering, 8 (1), 40-54.
54. **S Vinodh,** C Vasantha Kumar, KJ Manjunatheshwara, 2015, Development of a methodology to evaluate lean remanufacturing characteristics in a manufacturing organization, International Journal of Services and Operations Management, 21 (2), 187-199.