



DR. DINESH KUMAR

Assistant Professor,
Department of Production and Industrial Engineering,
National Institute of Technology Jamshedpur
E-Mail: dinesh.prod@nitjsr.ac.in
M:+919084932611

EDUCATIONAL QUALIFICATIONS

Ph.D, (Supply chain management) from MIED, IIT Roorkee in 2016.

M.Tech, (Product Design and Development), from Mechanical Engineering Department, MNNIT Allahabad in 2011.

B.Tech (Mechanical Engineering), Uttar Pradesh Technical University Lucknow (Now APJ Abdul Kalam Technical University Lucknow) in 2009.

TEACHING EXPERIENCE

Institute/University	Designation	Duration
National Institute of Technology, Jamshedpur, Jharkhand, India	Assistant Professor	May 2018-till date
Ajay Kumar Garg Engineering College Ghaziabad, U.P. India	Assistant Professor	Nov, 2016-May,2018
Graphic Era Hill University Dehradun, Uttarakhand, India	Assistant Professor	Aug, 2011-Dec,2012

PH.D. THESIS TITLE

Modeling and analysis of public healthcare services.

Ph.D, PG THESIS and UG PROJECTS GUIDED

Ph.D Guided: 04 (Ongoing)

M.Tech Thesis: 04 (Completed)+02 (Ongoing)

B.Tech Projects: 09 (Completed)+02 (Ongoing)

PUBLICATIONS

Journals

- i. Ranveer Singh Rana, Dinesh Kumar, Rahul S. Mor & Kanika Prasad : Modelling the impact of demand disruptions on two warehouse perishable inventory policy amid COVID-19 lockdown - *International Journal of Logistics* (2021): <https://doi.org/10.1080/13675567.2021.1892043>
- ii. Panghal, Anupama; Mor, Rahul S; Kamble, Sachin S.; Khan, Syed Abdul Rehman; Kumar, Dinesh; Soni, Gunjan, Global food security post COVID-19: dearth or dwell in the developing world?, *Agronomy Journal* (2021) *Accepted*

- iii. Saurabh Sid, Rahul S Mor, Anupama Panghal, Dinesh Kumar, Vijay Kumar Gahlawat : Agri-food supply chain and disruptions due to COVID-19: effects and strategies - *Brazilian Journal of Operations and Production Management* ISSN : e20211148 vol:18 issue:2 pp:1-14 (2021)
- iv. Manimay Dev, Dinesh Kumar, Rahul S Mor : Hospital selection under Insured Public Health Schemes in the multi-criteria group decision-making environment - *Production Engineering Archives* ISSN : 2353-5156 (2021)
- v. Mor, R. S., Kumar, D., Yadav, S., & Jaiswal, S. K. : Achieving cost efficiency through increased inventory leanness: Evidence from manufacturing industry - *Production Engineering Archives* ISSN : 2353-5156 vol:27 issue:42-49 (2021)
- vi. Rana, R.S., Kumar, D. & Prasad, K. Two warehouse dispatching policies for perishable items with freshness efforts, inflationary conditions and partial backlogging. *Oper Manag Res* (2021). <https://doi.org/10.1007/s12063-020-00168-7>
- vii. Dinesh Kumar, D. Kumar, Modeling Hospital Inventory Management using Interpretive Structural Modeling (ISM) approach - *International Journal of Logistics and System Management* vol:21(3) pp:319-334 (2015) , DOI: 10.1504/IJLSM.2015.069730
- viii. Dinesh Kumar, D. Kumar, modelling rural healthcare supply chain in India using system dynamics - *Procedia Engineering* ISSN: 1877-7058 vol:2212 issue:97 pp:2204 (2014).Dinesh Kumar, D. Kumar, Managing the essential medicine stock at rural healthcare systems in India - *International Journal of Health Care Quality Assurance* ISSN : 0952-6862 vol:31 issue:8 pp:950-965 (2018), <https://doi.org/10.1016/j.proeng.2014.12.464>.
- ix. Dinesh Kumar, India's rural healthcare systems: structural modeling - *International Journal of Health Care Quality Assurance*, <https://doi.org/10.1108/IJHCQA-02-2017-0020>, ISSN : 0952-6862 vol:31 issue:7 pp:757-774 (2018)
- x. Manimay Dev, Dinesh Kumar, D.Patel, Coordination Between Hospitals and Insurers in Developing Economies: An Interpretive Structural Modeling Approach - *International Journal of Pharmaceutical and Healthcare Marketing*. <https://doi.org/10.1108/IJPHM-10-2019-0068>, ISSN : 1750-6123 (2020)

International conferences

- i. Mayank Gupta, Dinesh Kumar and Kanika Prasad, Prioritization of barriers for implementation of blockchain technology in industries of India, *International Conference on Industrial and Manufacturing Systems (CIMS - 2020)*, NIT Jalandhar, scheduled to be from 26th – 28th June 2020 (**accepted**)
- ii. Manimay Dev, Dinesh Kumar, Hospitals' selection under Ayushman Bharat Scheme with heuristic search method using A** algorithm, *International Conference on Industrial and Manufacturing Systems (CIMS - 2020)*, NIT Jalandhar, scheduled to be from 26th – 28th June 2020 (**accepted**)
- iii. Vikash Murmu, Dinesh Kumar, Amaresh Kumar : Demand Forecasting using Support Vector Regression: A Healthcare Case Study - 61st National Convention of Indian Institution of Industrial Engineering and 5th international conference on Industrial Engineering (ICIE-2019), SVNIT SURAT ISSN : ISBN:978-93-86238-81-8 vol:1 pp:350-356 (2019)
- iv. Dinesh Kumar, D. Kumar , "A System Dynamic Modelling of Rural Healthcare Supply Chain of Folic Acid Tabs in India", 18th Annual International Conference of the Society of Operations Management, 12- 14 Dec 2014, IIT Roorkee, Roorkee.
- v. Dinesh Kumar, D. Kumar : Modelling rural healthcare supply chain in India using system dynamics" *12th Global Congress on Manufacturing and Management, GCMM 2014*, VIT Vellore, Chennai, 8- 10 Dec 2014.

- vi. A.D. Bhatt, Dinesh Kumar, Rajeev Srivastava, Anil G. Patil “Synthesis of functionally graded materials by centrifugal casting method” *Twenty-First International Symposium on Processing and Fabrication of Advanced Materials (PFAM XXI)*, IIT Guwahati, India, 10-13 Dec, 2012. Vol. II, Article 81, pp. 20-25.
- vii. Dinesh Kumar, D. Kumar, “SD Modelling of Healthcare SC in rural parts of Uttarakhand, India”, *IEEE- IEEM-2015*, 06-09 Dec, 2015, Singapore.

Book Edited in progress

- i. Dr. Dinesh Kumar, Dr. Kanika Prasad, “Making Complex Decisions Towards Revamping Supply Chains Amid COVID-19 Breakout” Publisher: CRC Press, Deadline: 31st Jan, 2021.
- ii. Dr. Subhash Singh, Dr. Dinesh Kumar, “Fabrication and Machining of Advanced Materials and Composites: Opportunities and Challenges” Publisher: CRC Press, Deadline: Aug, 2021.

National conferences

- i. Dinesh Kumar, D. Kumar, “Experimental study on gradient region thickness of functionally graded materials using Taguchi DOE”, *National Conference On Recent Trends in Materials Engineering (RTME-2013)*, BRCM College of Engineering & Technology Bahal 127 028, Distt. Bhiwani, Haryana, 04-05 Oct, 2013.

Dinesh Kumar