

Dr. Rohit Kr. Singh

Ph.D. (Supply Chain Management)

B.Tech (Mechanical), MBA (Operations)

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Employment

Academic Experience:

Period	Organisation/Place	Role/Responsibilities
June 2018 – Till Date	International Management Institute Kolkata	Assistant Professor Subject Taught <ul style="list-style-type: none">- Operations Management-I- Operations Management-II
July 2015- May 2018	Symbiosis Institute of Operations Management	Assistant Professor Subject Taught <ul style="list-style-type: none">- Operations Management- Supply Chain Management- Logistics Management- Supply Chain Modelling and Design- Operations Planning and Scheduling
July 2012- June 2015	ABV- Indian Institute of Information Technology & Management Gwalior, India	Senior Research Fellow: PhD Thesis Submission (Course work completion, carrying out research work and writing research papers, thesis report). Teaching assistantship in the form of taking lectures and lab sessions of MBA students (batch size 50) for the subjects such as Supply Chain Management and Operation Management Assisting faculty in preparing course material and guiding MBA thesis.

AREAS OF INTEREST

Teaching Interests:	Research Interests:
<ul style="list-style-type: none">• Supply Chain Management• Operations Management• Supply Chain Modelling and Design• Logistics Management	<ul style="list-style-type: none">• Flexible Supply chain management in manufacturing sector• Coordinated supply chains• Logistics and reverse logistics• Applications of system dynamics

Professional Qualification

Qualification	Specialization	Year of Passing
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Ph.D.	supply chain management	2016
MBA	Operations Management	2012
B. Tech	Mechanical Engineering	2009

THESIS

Ph.D. Thesis Title: *Assessing the influence of flexibility on supply chain performance: A case based empirical study on Indian Soap Industry*

Description: In this research study, flexible supply chain practices have been explored in a process industry like soap manufacturing. This is a case based study of empirical nature where, with the help of primary data, expert interviews and questionnaire surveys carried out during field visits at a large soap manufacturing unit in northern India, to develop four major supply chain flexibility assessment instruments. 1) Decision making trial and evaluation laboratory (DEMATEL) which helps management to prioritize supply chain activities that affects performance of the organization. 2) A Structural Equation Model which helps in identifying that which parameter/ activity is influencing supply chain flexibility and at what extent, gives a overall causal analysis. 3) An excel based Flexibility measurement template that highlights the most prominent supply chain flexibility activities in the firm and therefore helps the organization to make operational decisions to improve supply chain performance. 4) System dynamics (SD) model which serves as both strategic as well as operational tool for flexibility assessment.

KEY RESEARCH PUBLICATIONS

Book Publication

1. Modgil S., **Singh R.K.** and Sonwaney V. (2018), "Competitive supply chain strategies in dynamic environment" Excel Publisher, New Delhi, India (Edited Book)

Book Chapter Publication:

2. Modgil, S., **Singh R.K.**, and Sonwaney V. (2018), "Customer complaint handling through six sigma" Supply Chain Strategies in Dynamic Environment, pp.227-234 Excel Publisher, India
3. **Singh R.K.**, Modgil, S. and Acharya P (2018), "Measurement and Quantification of Supply Chain Flexibility: A Study in Indian Soap Manufacturing Firm" Supply Chain Strategies in Dynamic Environment, pp.136-147 Excel Publisher, India

International Journals:

1. Tambade, H., **Singh, R.K.** and Modgil, S. (2018), "Identification and evaluation of determinants of competitiveness in Indian Auto component industry" accepted for publication in Benchmarking: an International Journal, Emerald (Forthcoming)
2. Vishwakarma, N. Sharma R.R.K and **Singh R.K.** (2018), "Internet of Things Architectures: Do organizational strategies matters?" accepted for publication in Business Process Management Journal, Emerald (Forthcoming)
3. **Singh R.K.**, Modgil S. and Tiwari A.A. (2018), "Identification and evaluation of determinants of sustainable manufacturing: A case of Indian cement manufacturing" accepted for publication in Measuring business Excellence, Emerald (Forthcoming)

4. **Singh R.K.** and Kansara S. (2018),, “Vendor rating system for an Indian start-up: A combined AHP & TOPSIS approach” *Measuring Business Excellence*, Vol. 22 No. 3 pp-220-241
5. **Singh, R.K.** and Acharya P. (2016), “Impact of reverse logistics on apparel industry” *International Journal of Service and Operation Management*, Vol. 25 No.1 pp.80-98
6. **Singh, R.K.** and Acharya P. (2015), “Reverse Supply Chain Flexibility: A Framework of Research Dimensions” *International Journal of Service and Operation Management*, Vol. 22 No. 4 pp.442-454
7. **Singh, R.K.** and Acharya P. (2013), “Supply Chain Flexibility: A Framework of Research Dimensions” *Global Journal of Flexible System Management*, Vol. 14 No.3 pp.157-166
8. **Singh, R.K.** and Acharya P. (2014), “Identification and evaluation of supply chain flexibilities in Indian FMCG sector using DEMATEL” *Global Journal of Flexible System Management*, Vol. 15 No.2 pp.91-100
9. **Singh, R.K.** and Acharya P. (2013), “Supply Chain Management: Everlasting and Contemporary Research Issues” *International Journal of Logistics and Systems Management*, Vol. 19 No.1 pp.1-19
10. **Singh, R.K.** and Acharya P. (2014), “Performance evaluation of supply chain management systems: a critical review of literature” *International Journal of Procurement Management*, Vol. 7 No.2 pp.201-218
11. Sekhar C. Patwardhan M. And **Singh R.K.** (2014), “A Literature Review on Motivation” *Global Business Perspective*, Vol.1 No 4 pp. 471-487
12. **Singh R.K.** and Acharya P. (2014), “An AHP model approach to supply chain flexibility: A case study of Indian FMCG firm” *Operations and Supply Chain Management*, Vol.7 No.2 pp. 64-69
13. **Singh R.K.** and Patwardhan M. (2011), “Effectiveness of adult ego state on individual performance in the organisation” *Research Journal of international studies* , Vol.23 pp121-132
14. Sekhar C. Patwardhan M. And **Singh R.K.** (2016), “Prioritizing the dimensions of employee motivation using analytic hierarchy process” *International Journal of Business and Emerging Markets*, Vol.8 No 1 pp. 49-66
15. Bansal, S., Parmanik, P, Mukharjee, S. Pandit, N. and **Singh R.K.** (2016), “Prioritization of Supply Chain Flexibility Dimensions Using Topsis: A Case Study of Indian FMCG Sector” *International Journal of Innovation Research and Development*, Vol. 5 No. 2 pp 1-6
16. Jena, A., **Singh R.K.**, Mishra, R., Gandhi, P. and Singhal, H. (2016), “Influence of Operations Management on Other Business Activities” *International Journal of Innovation Research and Development*, Vol. 5 No. 2 pp 178-188
17. **Singh, R.K.** and Chakraborty, A., Kosambia, M., Shah, p. and Karhade, A. (2016), “Reverse Logistics Using Genetic Algorithm” ” *International Journal of Innovation Research and Development*, Vol. 5 No. 2 pp 323-327
18. **Singh R.K.**, Goyal A. Bhagwat A. and Sonwaney, V. (2017), “Prioritization of flexibility enablers in steel making via electric arc furnace” *International Journal of Procurement Management*, Vol. 10 No.4 pp.524-538
19. **Singh R.K.** Clements, E.and Sonwaney V, (2018), “Measurement of Overall Equipment Effectiveness to Improve Operational Efficiency” *International Journal of Process Management and Benchmarking*, Vol. 8 No. 2 pp. 246-261

International Conferences:

20. **Singh, R.K.** and Acharya P. (2012), “Performance evaluation of supply chain management systems: a critical review of literature” in *Best Practices of Supply Chain Management 2012 proceedings of the international conference in Bhubaneswar, Odisha, 2012, India*, pp. 156-163.
21. **Singh, R.K.** and Acharya P. (2013), “An AHP model approach to supply chain flexibility: A case study of Indian FMCG firm” in *7th ISDSI and 5th OSCM international conference 2013 proceedings of the international conference in Delhi, 2013, India*

22. **Singh R.K.**, Acharya P and Gupta V. (2014), “An Interpretive Structure Model Approach to supply chain flexibility: A Case study of Indian FMCG firm” in Production And Operation Management Society international conference 2014 proceedings of the international conference in Mumbai, 2014, India, pp. 187-195
23. Gupta, P. Gavale, H, Bobade, P., Das, S. and **Singh R.K.** (2015), “ Performance issues in SCM using SAP-LAP framework: A case study evidence from manufacturing Industry” in GLOGIFT-15 international conference 2015 proceedings of the international conference in Pune, 2015, India
24. Saxena, C., Dubey A., Godbole P., Sowrabh, S. **Singh R.K.** (2015), “ A study on supply chain issues in transformer Industry: SAP-LAP Analysis” in GLOGIFT-15 international conference 2015 proceedings of the international conference in Pune, 2015, India
25. Jha, A., **Singh R.K.**, Choudhary,A. and Acharya P. (2015) “ Lean Measurement Index for Indian Manufacturing Industry” in XIX SOM international conference 2015 proceedings of the international conference in IIM Calcutta, 2015, India
26. **Singh R.K.**, Nandi, S., Karthik, A., Surendran N and Saha, M. (2015) “Influence of e-business on supply chain- a study on Indian Pharmaceutical Sector” in XIX SOM international conference 2015 proceedings of the international conference in IIM Calcutta, 2015, India
27. **Singh R.K.** ,Ibrahim, S. and Tripathy, B. (2015) “Development of Lean Measurement Index for Indian Manufacturing Sector in India” in XIX SOM international conference 2015 proceedings of the international conference in IIM Calcutta, 2015, India
28. Kapoor, R, **Singh R.K.**, Choudhary, S. and Sonwaney V. (2015), “ Performance measurement of Supply chain in Indian steel industry: A combined balance scorecard and data analytics approach” in XIX SOM international conference 2015 proceedings of the international conference in IIM Calcutta, 2015, India
29. Vishnolia, J, Tripathy, B. and **Singh R.K.** (2015) “Nasik City Logistics study of the state shuttle-bus transportation system using simulation approach” in SOM international conference 2015 proceedings of the international conference in IIM Calcutta, 2015, India
30. Thakur, H., Borulkar, T., Das,I. Ranjan, A. **Singh, R.K.** (2016), “Factors Affecting The Productivity In Manufacturing Department” in 9th ISDSI international conference 2016 proceedings of the international conference in GIM, Goa, 2016, India
31. Deshpande, A., Joshi, A., Kulkarni, M., Joshi, P., **Singh R.K.** (2016), “Causal Analysis Of Attrition’s Research Dimensions In Indian Automobile Industry” in 9th ISDSI international conference 2016 proceedings of the international conference in GIM, Goa, 2015, India
32. Das, S.K., Karn, G., **Singh R.K.**, Chatterjee, R. and Singh, A. (2016), “Business Information Flow – A Relationship Establishment Using Dematel Method” in 9th ISDSI international conference 2016 proceedings of the international conference in GIM, Goa, 2015, India
33. Verma, S.S., **Singh, R.K.**, Sonwaney, V., Clemenets, E., Singh, V. and Badar, T. (2016), “Measurment of Overall Equipment Effectiveness as a basis for Operational Improvement in 9th ISDSI international conference 2016 proceedings of the international conference in GIM, Goa, 2016, India
34. **Singh, R.K.**, Sagar, P.R.S., Rajesh, H. Rao, K. and Verma, R. (2016), “Performance Measurement of supply chain in Indian Manufacturing Industry” in 9th ISDSI international conference 2016 proceedings of the international conference in GIM, Goa, 2016, India
35. Jena, A., **Singh R.K.**, Mishra, R., Gandhi, P. and Singhal, H. (2016), “Influence of Operations Management on Other Business Activities” in an Organization in 7th ITBI international conference 2016 proceedings of the international conference in RIT, Goa, 2016, India
36. **Singh, R.K.** and Chakraborty, A., Kosambia, M., Shah, p. and Karhade, A. (2016), “Reverse Logistics Using Genetic Algorithm” in 7th ITBI international conference 2016 proceedings of the international conference in RIT, Goa, 2016, India
37. Kumar A., Singh N., **Singh R.K.** and Sonwaney V. (2016), “Roadblocks in implementation of lean management in the Indian automobile industry: A combined AHP & MICMAC approach” in EBSCC-POMS international conference 2016 proceedings of the international conference in IIT, Kharagpur, 2016, India, pp.64-74
38. **Singh R.K.**, Shinde S., Chattopadhyay, Kaushik A. and Gathekar A. (2016), “ Implementation of ERP in Indian auto part manufacturing: A SAP-LAP Approach” in

- EBSCC-POMS international conference 2016 proceedings of the international conference in IIT, Kharagpur, 2016, India, pp.186-195
39. **Singh R.K.**, and Kansara S. (2016), “Identifying the lean criteria having significant effect on product quality using MCDM approach” in 10th ISDSI international conference 2016 proceedings of the international conference in MET, Nashik, 2016, India
 40. **Singh R.K.** and Vishnolia, J. (2016), “Kumbh Opti-Path: Optimal route selection for Nashik kumbh mela” in 10th ISDSI international conference 2016 proceedings of the international conference in MET, Nashik, 2016, India
 41. **Singh R.K.** (2017), “Identification and evaluation of Attrition’s research dimension: A causal approach” in 5th International Conference on Research Trends in Engineering, Applied Science and Management, 2017 proceedings of the international conference in IETE, Pune, 2017, India
 42. **Singh R.K.**, Modgil S. and Saonwaney V. (2017), “Assessment of Flexible supply chain: A case study of Indian soap manufacturing firm” in 11th ISDSI international conference 2017 proceedings of the international conference in IIM, Trichy, 2017, India
 43. Modgil S., **Singh R.K.** and Saonwaney V. (2017), “Total Quality Management exploitation and exploration perspective: A Framework” in 11th ISDSI international conference 2017 proceedings of the international conference in IIM, Trichy, 2017, India
 44. **Singh R.K.**, Modgil S. and Saonwaney V. (2017), “Assessing the influence of flexibility on supply chain performance: A case study of Indian FMCG firm” in XXI SOM international conference 2017 proceedings of the international conference in Ahmedabad University, 2017, India
 45. Modgil S., **Singh R.K.** and Saonwaney V. (2017), “Application of six sigma in customer complaints reduction: A case study” in XXI SOM international conference 2017 proceedings of the international conference in Ahmedabad University, 2017, India

Manuscripts under Review

46. **Singh R.K.**, Modgil, S. and Acharya P (2017), “Causal Modelling of Supply Chain Flexibilities using combined SEM-DEMATEL Approach in Indian personal Hygiene industry Introduction” INFOR, Taylor & Francis
47. **Singh R.K.**, Modgil, S. and Acharya P (2017), “Assessment of flexible supply chain using system dynamics modelling: A case of Indian soap manufacturing firm” SCM- An International Journal, Emerald
48. **Singh R.K.**, Modgil S. and Acharya P (2017). “Measuring Supply Chain Flexibility in a Indian Soap Manufacturing Firm- A Template Based Approach” IJPPM, Emerald
49. **Singh R.K.** and Modgil S. (2017), “Identifying the Lean Criterion Impact on Supply Chain: A Multi Criteria Decision Making (MCDM) approach” Journal of Modelling in Management, Emerald
50. **Singh R.K.**, Modgil S., and Tambade, H (2017), “Identifying impact of green practices on supply chain Lead time and Response Time” Business Process Management, Emerald
51. **Singh R.K.**, Modgil S. and Sonwaney V. “Supply Chain performance issues in Indian Biscuit Manufacturing Firm : SAP- LAP Analysis” International Journal of Logistics System and Management, Inderscience
52. Mishal, A., **Singh, R.K.** and Sonwaney, V. (2017), “Impact of Service learning experience for B-school students: Evidences from an empirical study” Journal of Modeling in Management, Emerald
53. Singh R.K. and Modgil S. (2018), “Supplier selection using combined SWARA and WASPAS – A Case study of Indian Cement Industry” Measuring business Excellence, Emerald
54. Vishwakarma, N., **Singh R.K.** and Sharma R.R.K (2018), “Cluster and DEMATEL Analysis of Key RFID Implementation Factors Across Different Organizational strategies” Management Research Review, Emerald

Journal Reviewer

Journal Title	Publisher
International Journal of Productivity and Performance Management	Emerald
Industrial and Commercial Training	Emerald
International Journal of Production Research	Taylor and Francis
Global Journal of Flexible systems and Management	Springer
Global Business Review	SAGE
Benchmarking: An International Journal	Emerald
Journal of Modelling in Management	Emerald

FDP Conducted

Date	FDP Title
17-18 Nov 2017	Multi Criteria Decision Making (MCDM) approaches
11 Feb 2018	MCDM approaches for Management Research

Institutional Administrative Experience

Member of Library Committee at International Management Institute Kolkata
Member of Board of Subject- subcommittee of operations Management at symbiosis International University
Convener and Organizing Secretary of International Conference on Operations and Supply Chain Management-2016
Convener of National Student Research Conference-2017
Conference Co-Chair of Research Conference on Operations and Supply Chain Management-2018
Convener of 11th National Operations Summit- "Tattv-2017"
Member of International affairs committee at SIOM, Nashik
Member of Library Advisory Committee at SIOM, Nashik

Conference Track Chair

XIX Society of Operations Management International Conference at IIM Calcutta from 11-13 December 2015
VII Information Technology and Business Intelligence International Conference at RIT, Goa from 21-23 January, 2016

SHORT TERM TRAINING PROGRAMME ATTENDED

Duration	Workshop/FDP	Organizing Institute
October 3-4, 2011	National HR Summit	ABV-IIITM Gwalior, India
March 10-11, 2013,	How to get published in internationally Refereed journals: A practical Guide	ABV- IIITM Gwalior, India
April 7-10, 2016	FDP On Multivariate Analysis	SIOM, Nashik

REFERENCES

Prof. S. G. Deshmukh	Prof. P. Acharya	Dr. Manoj Dash
Director, ABV-IIITM, Gwalior, India Email: director@iiitm.ac.in Ph: 0751-2449801	Professor, NITIE, Mumbai, India Email: pach67in@yahoo.com Ph: +91-9819001725	Assistant Prof., ABV-IIITM, Gwalior, India Email: manojdash@iiitm.ac.in Ph: 0751-2449801

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