**BIO-DATA**

**SHORT CV APPEARS IN THE END**

Name : R. Raghavendra Kumar Sharma

Date of Birth : 12 January 1959

Current Address : Qr. No. 643, Type- VI

Indian Institute of Technology,

Kanpur 208 016, INDIA

E-Mail : [rrks@iitk.ac.in](mailto:rrks@iitk.ac.in);

Alternate E-mail : [rrkiitk@gmail.com](mailto:rrkiitk@gmail.com);

Permanent Address : Retired Professor, Department of

Management Sciences,

IIT, KANPUR 208 016 INDIA

Education : Fellow Program in Management, FPM,

(equivalent to Ph D)

Indian Institute of Management,  
 Ahmedabad 380 015, INDIA, (1982-1988).

B.E. (Mechanical);

Visvesvaraiyya Regional College of Engineering,  
 Nagpur, 440 010, INDIA. (1975-80)

Areas of Interest :(1) Operations Research  
 (2) Production and Operations Management  
 (3) Manufacturing Strategy & Strategy

(4) General Management

(5) Health Care Management (side interest)

Marital Status : Married to Dr. Sheela Raghavendra Sharma,

10 Sept 1989.

M.B.B.S., M.D. (Obstetrics and Gynecology)

Children : (1) R. Shriniwas Sharma (DoB : 26 Jan 1992)

BE (Mfg. Engg.) BITS Pilani; 2010-2014

MS (CSE) TU/e The Netherlands; (2017-2019)

1. R. Anjaneya Sharma (DoB : 05 May 1995)

BTech (EEE) VIT Vellore; 2014-2018

MS (EEE), USC LA USA (2018-2020)

**Number of publications (peer reviewed: 409 (in scopus: 128 & 31 in ABDC C category as on 2013) (including 141 articles in 5 peer reviewed books)/under preparation-review: 41 / working papers (not referred): 781) are 1231.**

**Industrial Experience**

**Tata Engineering & Locomotive Company Ltd. 1980-82 (24 months).**  
Joined as Graduate Engineer Trainee. Worked as Production In charge in Rear Axle Shop, Press Shop and Frame Assembly Shop. Gained experience in supervising more than hundred skilled employees (experienced HR in action). Worked as Maintenance In charge in Rear Axle Shop, Press Shop and Frame Assembly Shop. Gained experience in maintaining various general and special purpose machines. Worked as Design Engineer in the Machine Tool Division. Designed hydraulic and pneumatic circuits for hydraulic presses, general purpose and special purpose machines.

**TVS-Suzuki Ltd. 1988-89 (9 months)**

Worked as a marketing executive and in charge of MIS (marketing/management information system), directly reporting to the top management. Prepared the marketing strategy and coordinated the all India Sales. Also prepared distribution plans for over 20,000 two wheelers all over India.

Total Industrial Experience of 33 months till date.

# Teaching Experience

Indian Institute of Technology, Kanpur

Lecturer (March 1, 1989-Apr 18, 1990), Department of Industrial and Management Engineering.

Assistant Professor (April 19, 1990-Dec 11, 1995), Department of Industrial and Management Engineering

Associate Professor (December 12, 1995-Sept 12, 2001), Department of Industrial and Management Engineering.

Professor (Sept. 13, 2001), Department of Industrial and Management Engineering.

Professor, HAG Scale (01 Aug 2012 – 31 Jan 2024), (till 2012: 97 publications); Department of Industrial and Management Engineering. As on date number of publications (peer reviewed: **409 (including 141 articles in 5 peer reviewed books)**/under preparation-review: **41** / working papers (not referred): **781**) are **1231.**

Sanjay Mittal Chair Professor, IIT KANPUR; (till 2015: 124 publications) Dept of IME (15 Sept 2015 - 14 Sept 2018). As on Dec 2018 number of publications (published: 198 under review/Book Chapters: 141) are 339.

**Retired Professor, DoMS, IIT Kanpur 208016 India: 31 Jan 2024**

**Leave Balance as on 30 Jan 2024 (As Per Pingala): EL 186.5; HPL: 573;**

**Re-employed by IIT Kanpur DoMS as Professor Till 30 June 2024.**

**Courses Offered at IIT Kanpur**  
  
**M Tech Level Courses Offered**

**1. Introduction to Computing**

Introduction to PASCAL, concept of data structures, advanced data structures, iterative and recursive programs, implementation of OR algorithms in PASCAL such as simplex algorithm, Bala’s algorithm for 0-1 integer linear programs, Actual implementation of well known algorithms such as Network simplex, Busacker’s dual based algorithm for min cost network flow problems (Fall 89, 90, 96, 97,98).

**2. Probability and Statistics**

Elementary probability theory, conditional probability, Bayes theorem, urn models, polya’s urn scheme, moment generating functions, the central limit theorem. Hypothesis testing, Anova, Design of experiments (Fall 90, 94, 95).  
  
**3. Managerial Accounting, Finance and Economics**  
Balance sheet, Profit and loss concepts, Accounting Principles, Ratio and Fund flow analysis, Cost of capital, Capital Budgeting. Capital asset pricing models and Portfolio Management. Cost Accounting and Managerial Economics. Extensive case studies are employed in this course. (Fall 91, 92, 93, 01, 02, 03).  
  
**4. Manufacturing Policy**  
Introduction to the corporate strategy, concept of organizational purpose, environmental scanning and formulation of objectives, strategy for growth such as concentric growth and diversification, strategy formulation and evaluation, managing diversity and growth, organizational structure and processes, implementation issues. Product and factory life cycle, strategic dimensions of technology, characteristics of job shops and flow shops, learning curve effects, economies of scale, resolution of conflicts between manufacturing and marketing, concept of PWP, design of organization structure of manufacturing divisions, interactions of design department with manufacturing, marketing, service and purchasing. Concept of alignment of manufacturing policy and the corporate strategy (Spring 92, 94).

**5. Operations Research for Management**

Linear programming theory due to Dantzig, Special classes of linear programs such as shortest path, mix. flow and minimum cost flow problems. Integer programming, Bala’s algorithm for 0-1 integer linear programming problems, Non-linear programming problems. Special topics as location theory. Simple queuing problems (Fall 92).

**6. Modules in Organization Behavior and Marketing**

# Organization Behavior

Theories of motivation, personality, and behavior in work situations. Pygmallian effect. Beliefs, attitudes and values, and their implications for motivations and reward systems. Also its implications in framing the corporate strategy and planning advertising campaigns. Dimensions of the organization structure and framework for designing an organization structure. Phases of change in the commercial organizations. Issues in organizational change and development. State-of-art research papers were used for these selected-topics.  
  
**Marketing**The concept of marketing mix, four P’s of marketing, and the concept of marketing strategy. The concept of market segmentation, product positioning and its applications in demand forecasting. Marketing economy and public policy issues. In this course concepts were elaborated by the use of cases and research papers drawn from the journals (Spring-93,94).

**7. Strategic Management**

Introduction to the corporate strategy, concept of organizational purpose, environmental scanning and formulation of objectives, strategy for growth such as concentric growth and diversification, role of values in strategy formulation and evaluation, managing diversity and growth, choice of organizational structure and designing systems to support the implementation of the strategy. Power and politics in organizations, importance of culture in merger and acquisitions. Choice of managers profile to be in tune with strategy type chosen, 7-S framework of strategy implementation. (Spring-94, 96, 97, 99).

8. Human Resource Management

Leadership styles, participative management, job enlargement and enrichment, job evaluation, methods of framing the incentives of the executives, work attitudes, job satisfaction typology of organization character. Matching individuals to the jobs and the organization. Introduction to role theory. Theories of job attitudes and motivation (task oriented, social information processing theory and the personal dispositional approach) and its implications for task design, personnel selection, and organizational development programs. Introduction to leadership theory, group processes and its implications for organization structure design. Requirements of managerial traits for implementing different strategies. Theories of informal organization structure, and introduction to group think. The course is primarily based on journal article. (Spring-94).  
  
**9.Marketing**  
  
The concept of marketing mix, four P’s of marketing, and the concept of marketing strategy. The concept of market segmentation, product positioning and its applications in demand forecasting. Marketing economy and public policy issues. In this course concepts were elaborated by the use of cases and research papers drawn from the journals. (Spring-95).

**10. Computer aided Decision Systems**

Introduction to databases, file organization methods, relational databases, n th normal form, schema and sub-schema, combining various user schemas and preparation of canonical database, designing databases, query languages, calculus, relational algebra, query optimization. Introduction to simulation. Fixed and variable time increment scheme, random number generation, introduction to ARENA and QUEST. Designing decision support systems.(Spring98,99).

**11. Operations Management**

Inventory models, EOQ, multi item inventory models, Wagner-Whitin, Serial production inventory models (Stephen Love and Zoller), Transaction reporting models, Periodic Review Inventory Models, Newspaper boy model, Multilevel inventory models using genetic algorithms and lagrangian relaxation. Introduction to theory of NP-completeness and NP-Hardness and its implications for a large class of scheduling problems. Survey of various scheduling rules, Shifting bottleneck assignment solution procedure, Discussion of performance of Critical Ratio Rule in scheduling literature. Decisions in large production systems : Aggregate production planning models (LP, Linear Decision Rules, MILP models), Dis-aggregation models (EROT procedure), Decisions in MRP systems and interactions among them, multi pass heuristics in MRP context, discussion on JIT systems, embedding JIT into MRP system, Discussion on OPT. (Spring 02)

**12. Design of Production Systems**

Product design strategies, capacity planning strategies, Forecasting, moving averages, exponential smoothing, simple and multiple regression models for forecasting, ARIMA models, Theories of plant location problems, simple plant location problems (SPLP), weak and strong relaxations of SPLP, dual ascent procedure due to ERLENKOTTER for SPLP, capacitated plant location problems (CPLP), strengths of various relaxations of CPLP, comparing different strategies for multistage warehouse location problems as available in literature, Plant layout problems, study of selected papers on layout planning problems, including pairwise exchange method, dynamic programming method, genetic algorithm, clustering approaches, math programming methods. Project management, study of selected papers on resource leveling in project management literature. Algorithms to prepare PERT networks, various formulations of resource constrained project scheduling problems, resource leveling heuristics and resource allocation heuristics. (Spring 03, 04).

**B. Tech. Level Courses Offered**

**13. Operations and Control of Production Systems**  
Introduction to inventory models, transaction reporting and periodic review models, newspaper boy problems, job shop scheduling, assembly line balancing, material requirement planning systems, network based lot sizing models for serial production systems, pure assembly systems, acyclic lot sizing models, aggregation and dis-aggregation models, linear decision rule, MRP and JIT systems, maintenance management, quality control systems, reliability theory, and introduction to manufacturing policy making.(Spring-90,91).

1. **Cost and Financial Management**  
   Balance sheet, Profit and loss concepts, Accounting Principles, Ratio and Fund flow analysis, Cost of capital, Capital Budgeting. Capital asset pricing models and Portfolio Management. Cost Accounting. Extensive case studies are employed in this course. Introduction to activity based cost accounting system. (Spring-91,. 92, 96, 97).

##### Courses for the MBA

1. **Organization Behavior**

**Micro O.B.**

Eight stages of man, transactional analysis, personality and attitudes, perception and attribution, theories of motivation, pygmallion in management, saliency effect on extrinsic and intrinsic factors of motivation, job attitudes, social information processing (SIP) theory and dispositional approach to job attitudes, job enlargement and job enrichment, beliefs, attitudes and values; and its effect on corporate strategy, theories of leadership, individual problem solving styles (ST, SF, NT and NF etc.) and its role on strategy making processes chosen by the small firms, interpersonal communication.

**Macro O.B.**

Power and politics in organizations, bases of organizational power, organizational structure, formal and informal organizational structure, dimensions of organizational structure, culture and sub culture of organizations, strategies to change the organizational culture, culture as a bottleneck in merger and acquisitions, relating strategies to structure and culture, processes in organizations and processes as bases for organizational structure design. (Fall 02).

1. **Production and Operations Management**

Introduction to POMS area, mass production, job shop, FMS, project management etc., assembly line balancing, introductory modules on scheduling, inventory management, forecasting. Workforce planning models, decisions in large systems such as MRP, FMS, OPT, ERP etc., manufacturing strategy, issues on supply chain management. Introduction to manufacturing strategy. (Fall 03, 04)

1. **Manufacturing Policy**  
   Introduction to the corporate strategy, concept of organizational purpose, environmental scanning and formulation of objectives, strategy for growth such as concentric growth and diversification, strategy formulation and evaluation, managing diversity and growth, organizational structure and processes, implementation issues. Product and factory life cycle, strategic dimensions of technology, characteristics of job shops and flow shops, learning curve effects, economies of scale, resolution of conflicts between manufacturing and marketing, concept of PWP, design of organization structure of manufacturing divisions, interactions of design department with manufacturing, marketing, service and purchasing. Concept of alignment of manufacturing policy and the corporate strategy (Fall 05, 06).
2. **Manufacturing Planning and Control**

Inventory management, scheduling, workforce planning models (linear decision rule etc), Large Scale systems such as MRP, JIT, OPT, FMS etc. Facilities location and layout problems, Project Planning and Management. Case studies are extensively used. (Spring 05, 06, 07).

1. **Manufacturing Strategy & Systems**

Introduction to strategy, manufacturing strategy and relating the two. How to evaluate corporate strategy, manufacturing structure and infrastructure development, make or buy, Manufacturing focus : The PWP concept. Taxonomy of manufacturing strategies. Types of production systems, quality systems, quality control, Deming management and the quality management. Taguchi methods of quality engineering, experimental designs, Value Stream mapping, modularity and mass customization. Vendor and supplier development. (Fall 06).

**(This course was offered jointly (by the use of advanced internet technologies) by Prof. RRK Sharma, IIT KANPUR and Prof. Ed Arnheiter, RPI, USA; and taken by second year MBA students of IIT KANPUR and second year MBA students at Hartford, Lally School of Management, Rennselaer Polytechnique Institute, USA.)**

1. **International Business**

International marketing; International finance; hedging strategies; taking loan in local currencies; multinational finance; centralization Vs decentralization in the multinational finance function; Collaborative strategies; wholly owned subsidiaries; joint ventures; equity based alliances; Control strategies: bureaucratic controls; output oriented controls; clan control; staffing control and normative controls; organization structure of international operations: functional; geographic divisions; matrix structure; cross national teams; network organizations; Country evaluation and selection; ethnocentricity; adaptation to local culture and the integrative approach to international business.

**(This course was offered to AMBA students of the College of Management: National Yunlin University of Science and Technology, Taiwan; May-June 2008)**

1. **International HRM**

Expatriation and repatriation: role of corporate management in making the change and adjustment process easier; international travel: stress; women in international assignments; managerial characteristics for success of expats; ethnocentricity; adaptation to local culture and the integrative approach to international HRM; role of culture in designing compensation in international HR; issues in international industrial relations; Hofstede’s cultural dimensions; how to manage in different cultures; knowledge transfers across different international divisions; developing global managers.

**(This course was offered to AMBA students of the College of Management: National Yunlin University of Science and Technology, Taiwan; May-June 2008)**

1. **Supply Chain management**

Modeling different supply chain situations, typically the cost minimization models. Eight chapters from the HBS on supply chains; Zara’s business model with reference to supply chains; Tripple A supply chain. IT and supply chain strategy; Buffering and Bridging strategy; Category management; SCOR model its advantages and its limitations; BPR and global supply chains; HR practices and supply chains; Quality and Supply chains; RFID; Use of IT and command and control to humans for flexibility in supply chains; Role of culture in improved agility and adaptability; postponement as a strategy to manage risks in supply chains. Case Studies. Winter 2012.

**Courses Offered for the Industry**

1. Conducted a course on simulation for the executives (including a few senior level executives) of the RDSO (Research Designs and Standards Organization), Lucknow during May 29-June 4, 1989.  
  
2. Offered lectures in a course titled, “Computer Integrated Manufacturing” for executives from industries and engineering colleges in India on “Introduction to data bases”.

3. Conducted QIP course for teachers of engineering colleges and managers from industry on “Manufacturing Strategy” during May 17-24, 1996.

1. Conducted QIP course on “OR techniques for Production Management” for teachers of engineering colleges and managers of industry during Dec. 18-24, 1996.
2. Conducted self financed course on “Manufacturing Strategy for Competitiveness” for General Managers of Manufacturing Organizations during Dec. 1-2, 1997.
3. Conducted self financed course on “Marketing Strategy” for general managers from industry during Dec. 14-21, 1999.
4. Conducted one day course titled, “MRP Systems: Heuristics for Improved Performance” on 3 OCT 2009 for industry and academia.
5. Conducted one day course titled, “Cost Minimization in Supply Chains” on 12 APR 2010 for industry and academia.
6. Conducted one day course titled, “Strategy, Structure and Systems for Organizations” on 07 APR 2011 for industry and academia.
7. Conducted one day course titled, “Strategy, Structure and Culture for TQM” on 14 JAN 2012 for industry and academia.
8. Conducted 5 day course on SUPPLY CHAIN MANAGEMENT for academia and industry: Feb 4-8; 2015; at IIT KANPUR.
9. Conducted 5 day course on ADVANCED MFG MANAGEMENT for executives of Ordinance Factories of INDIA at NADP NGP: July 6-10; 2015.
10. Conducted 5 day course on TECHNOLOGY STRATEGY ND FORECASTING for scientists of DRDO (Defense Research and Development Organization) INDIA at DRDO Bhawan New Delhi: Jan 18-22; 2016.

Teaching Material Developed: Cases Written  
  
Written a case in the area of simulation based on the industrial experience at BHEL, Jhansi, INDIA.

**Administrative Responsibilities**

Computer Coordinator for the Department of Industrial and Management Engineering, IIT Kanpur;

DUGC (Departmental Undergraduate Courses Committee) convener for the Department of Industrial and Management Engineering, IIT Kanpur

DPGC (Departmental Postgraduate Courses Committee) convener for the Department of Industrial and Management Engineering, IIT Kanpur; at least 13 times (looked after MBA/MTECH/PhD admissions (when one did not have a separate co-ordinator for each of them)

Placement Coordinator for the Department of Industrial and Management Engineering, IIT Kanpur.

Head, Department of Industrial and Management Engineering, IIT Kanpur (05-07).

Head, Department of Industrial and Management Engineering, IIT Kanpur (16-17).

Coordinator, course curriculum committee, M.B.A. program, IME department, I.I.T., Kanpur; Almost single handedly designed all the courses of MBA.

Total full time teaching experience 35 years at IIT Kanpur.

**Honors**

Ranked 14th in the merit list of H.S.S.C. exam in the Vibharda (in Maharastra State) region.

Awarded merit scholarship in engineering college for first two years.

Referee: OPSEARCH journal, India since 1998; International Journal of Product Development since 2006; Journal of Computational and Applied Mathematics since 2006; Journal of Robotics and Computer Integrated Manufacturing since 2007; AIMS International Journal of Management since 2007, Handbook of Technology Management: John Wiley, USA, Feb 08, European Journal of Operational Research since 2008, Decision 2008, International Journal of Engineering and Science and Technology since 2009, Cogent Engineering, International J of Production Research, International J of Advanced Manufacturing Technology and many other journals of repute.

International Advisory Council, International Conference on Operations and Quantitative Methods – VII, Jaipur India, Aug 3-5, 2006.

Honorary Appointment to Research Council of International Biographical Centre,St. Thomas Place, Ely, Cambridgeshire, CB7 4GG ENGLAND.

Invited to Join the Editorial Board of AIMS International Journal of Management.

Member, Board of Governors, STEP, HBTI, Kanpur.

Member, Board of Governors, International Academy of Business and Economics, USA; 2008.

Member, Board of Governors, Society of Management Science, IIM Ahmedabad, India; 2008.

Key Note Speaker, at Fourth International Conference on Logistics and Supply Chain Management, Aug 7-9, 2008, Organized by Centre of Supply Chain Management, PSG College of Technology, Coimbatore and Central Michigan University, Mt. Pleasant, MI 48859, USA; “Facility (Warehouse) Location on Supply Chains”; Aug 9, 2008.

Member, evaluation committee for professors, Weldon School of BioMedical Engineering, Purdue University, MJIS Building, 206 S Martin Jischke Drive, West Lafayette, IN 47907-2032 USA; 001-765-494-2998; Also member of selection committee IIT KGP (Dept of ISE IIT KGP (2015 & 2018); .

Member, selection committee for professors, OPERATIONS MANAGEMENT GROUP, I.I.M., Lucknow, UP INDIA; RGIPT Rae Bareli, IIT ISM Dhanbad, IIT Guwahati (Management), IIT Roorkie (Applied Maths and Scientific Computing) and IIT Madras (DoMS).

**Member Editorial Board: American Journal of Operations Research; Mar 20, 2011 – Mar 19, 2012. Member Editorial Board: American journal of Industrial and Business Management (of Scientific Research Publishing); and Member Editorial Board: J of Business and Econometrics Studies; See:**

[**https://www.scirp.org/journal/detailedInforofeditorialboard?personid=11605**](https://www.scirp.org/journal/detailedInforofeditorialboard?personid=11605)

[**https://oaskpublishers.com/journal-of-business-and-econometrics-studies-editorial-board-members**](https://oaskpublishers.com/journal-of-business-and-econometrics-studies-editorial-board-members)

Key Note Speaker, at the Tenth International Conference on Operations and Quantitative Management, june 28-30, 2011, Organized by Symbiosis Institute of Operations Management & AIMS International; “Location-Distribution Problems in the Indian Context: Research Done for the Last 20 Years”, June 29, 2011.

Chief Guest (Invited), Entrepreneurship Development And Technology innovation, Mar 1, 2019; at HBTU Kanpur India.

Key Note Speaker (Invited: Did Not Attend), International Conference On Industrial Engineering 2019; At Dubai (United Arab Emirates); Topic: Industrial Engineering to e-Industrial Engineering: Journey From 1901 to 2019.

Joined as Member Technical Committee of ICIEA 2024 Hiroshima Japan. Look up the link: <https://www.iciea.org/committees.html>

##### AWARDS AND RECOGNITIONS (SELECTED)

1. **Prof. R.R.K. Sharma**, Invited to Join the Editorial Board of AIMS International Journal of Management, <http://aims-international.org/AIMSijm/EditorialBoard.asp>;
2. **Prof. RRK Sharma, Judged as OUTSTANDING EDITOR: AIMS International Journal of Management,** at AIMS-6 conference, Dec 28-31, 2008; held at Greater Noida; <http://www.aims-international.org/files/winners2008.pdf>;
3. **Prof. RRK Sharma, Judged as OUTSTANDING MANAGEMENT RESEARCHER,** at AIMS-7 conference, Dec 20-22, 2009; held at IIM Bangalore, India. Award given at the hands of Prof. MR Rao (Ex Director: IIM BANGALORE INDIA and Ex Dean Indian School of Business, Hyderabad, INDIA). <http://www.aims-international.org/files/Winners2009.pdf>;
4. **Prof. RRK Sharma, awarded the title of “FELLOW of AIMS INTERNATIONAL”,** at AIMS-9 conference, Jan 1-4, 2011; FLAME PUNE, India; <http://www.aims-international.org/files/Winners2011.pdf>;
5. **Prof. RRK Sharma, recipient of the Dr Manubhai M Shah Memorial Award 2013 instituted by the INDIAN COMMERCE ASSOCIATION (ICA). Award carried a cash prize of Rs 1 Lakh, trophy and a certificate of excellence.** Award given at the 66 Annual Conference of ICA at BANGALORE UNIVERSITY on 5 DEC 2013. <https://icaindia.info/wp-content/uploads/MMSMA-2020.pdf>;
6. **Prof. RRK Sharma, recipient of the “MEMBERSHIP AWARD”** given by IABE 2015 (International Academy of Business and Economics; USA); 2015**.**
7. **Prof. RRK Sharma, recognized as “Distinguished Scientist”,** by Venus International Foundation Research Awards 2015 (VIFRA 2015) at CENTRE FOR ADVANCED RESEARCH AND DESIGN; Chennai: Dec 19; 2015.[**https://viraw.info/pdf/ra15report.pdf**](https://viraw.info/pdf/ra15report.pdf)
8. **Prof. RRK Sharma, “Distinguished Educator Award”,** selected by IEOM (Industrial Engineering and Operations Management) Society, USA; 2016. Award given on Mar 9; 2016 at Kuala Lumpur. <http://www.ieomsociety.org/awardsieom2016malaysia.pdf>;
9. **Prof. RRK Sharma** and Somen Dey, **Paper No. IC 36 below adjudged as BEST TRACK PAPER in OPERATIONS MANAGEMENT**; at IEOM conference Apr 11-13; 2017; RABAT; MOROCCO. <http://www.ieomsociety.org/awardsieom2017rabat.pdf>;
10. **Prof. RRK Sharma**, “**One of the Top Ten Knowledge Producers in India for the Academic Year 2017-18**”; Faculty Research Award Career 360, 2017-18.
11. Google Scholar Page <https://scholar.google.co.in/citations?hl=hi&user=FY8__swAAAAJ>
12. **Prof. RRK Sharma, “Quarterly Franklin Membership”, Membership ID#RA87720;** Given by Editorial Board of London Journals Press (2019).
13. **Prof. RRK Sharma:** Invited by Ministry of HRD Government of INDIA to participate as an expert in NIRF (National Institutional Ranking Framework) Survey 2019, 2020, 2021, 2022 and 2023.
14. **Prof. RRK Sharma**, Invited by **QS World University Ranking,** to take part in global survey of management institutes (specifically in South Asia), 2019, 2020, 2022, 2023 and 2024.
15. **Prof. RRK Sharma**, Got IIT Kanpur Senate Commendation Letters (at least 8 times in career) for excellence in teaching.
16. **Prof. RRK Sharma, Member (Id: RF20539C)** Advisory Board RESEARCHFORA ([www.researchfora.com](http://www.researchfora.com)). <http://www.researchfora.com/Committee.php>;
17. **Prof. RRK Sharma, Member, Editorial Board of Cloud Computing and Data Science (CCDS)**, Universal Wiser Publisher, Singapore; 09 July 2021; and **Editorial Board Member of J of Business and Econometrics Studies, OASK Publishers** Dec 2023.
18. **Prof. RRK Sharma, Distinguished Service Award, IEOM Society, USA** (Given on 18 Aug 2021) at IEOM Bangalore 2021 (Aug 16-18) conference). <http://www.ieomsociety.org/awards-india2021.pdf>;
19. **Prof. RRK Sharma**, recognized as Top 20 Expert Faculties in the field of Automobile, Bio-Chemical, Industrial, Environmental, Ceramic & Bio-Technology Engineering for the year 2020 by The Academic Council of uLektz. (received on 01 Dec 2021).
20. **Prof. RRK Sharma,** With 221/410 papers on Research Gate, Research Interest Score is greater than 97 percentile in the ‘Business Administration’ Category as on the date of this document.
21. **Prof. RRK Sharma**, Invited as expert to participate in THE 2023 (13 Nov 2022) and 2024 (19 Nov 2023) Academic Reputation Survey, Times Higher Education for ranking universities world-wide.

**AWARDS RECEIVED AFTER RETIREMENT**

1. **Prof. RRK Sharma,** Selected as Fellow of IEOM (Industrial Engineering & Operations Management) Society, USA 2024. Award to be given on 14 Feb 2024 at Dubai.

##### Publications

**Book(s) (Referred)**

1. Devjani Chatterjee and RRK Sharma, “Choosing Right Control System for Organizational Strategies”, LAP LAMBERT Academic Publishing, Germany, 2012; ISBN 978-3-659-24386-8.

**Research Monograph(s) (Referred)**

1. Sharma, R.R.K., “Heuristics for Improved Performance in MRP Context”, Vitasta Publishing House, (A Division of Thieme International Development Office, South Asia), New Delhi, 2008; ISBN 81-89766-20-1. A collection of 07 articles that are counted only once).
2. RRK Sharma, “Advances in Information Technology/Systems and manufacturing Systems”; LAP LAMBERT Academic Publishing, Germany, (2018). A Collection of 41 papers (All Authored by Prof. RRK Sharma); (corrected version of article 29 of this book counted in Excel Book 2 as article no 73).

ISBN-13: 978-613-9-87800-0; ISBN-10: 6139878004.

**THIS BOOK IS NOW AVAILABLE IN 8 DIFFERENT LANGUAGES WORLDWIDE (SINCE FEB 2020).**

1. RRK Sharma, “RELATING ORGANIZATIONAL VARIABLES TO FUNCTIONAL AREAS OF THE FIRM”, LAP LAMBERT Academic Publishing, Germany, (2018). A Collection of 42 papers. (All Authored by Prof. RRK Sharma).

ISBN: 978-613-9-89735-3

1. RRK Sharma, “RELATING PERSONALITY, CULTURE AND INFORMATION SYSTEMS, INNOVATION TO STRATEGY”, LAP LAMBERT Academic Publishing, Germany (2018). A Collection of 42 papers. (All Authored by Prof. RRK Sharma).

ISBN: 978-3-659-88509-9.

1. RRK Sharma, “ARTICLES IN OPERATIONS AND SUPPLY CHAIN MANAGEMENT”; A Collection of 09 papers in all of these Prof. RRK Sharma is the first or second author. Lap Lambert Academic Publishing; 2018.

ISBN: 978-613-9-91751-8.

**ERRATA ON BOOKS PUBLISHED BY LAP-LAMBERT IS AVAILALE ON REQUEST.**

**Books by Prof. RRK Sharma can be seen at IIT Kanpur library at the following link:**

[**https://libserv.iitk.ac.in/cgi-bin/koha/opac-search.pl?idx=au&q=r.r.k.+sharma&item\_limit**](https://libserv.iitk.ac.in/cgi-bin/koha/opac-search.pl?idx=au&q=r.r.k.+sharma&item_limit)**=**

**Book of Working Papers (not refereed)**

1. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 1”, A collection of 148 working papers, (All Authored by Prof. RRK Sharma). EXCEL PUBLISHERS NEW DELHI, April 2019; p. 149.

ISBN: 9-789-388-237116.

1. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 2”, A collection of 295 working papers, (All Authored by Prof. RRK Sharma); EXCEL PUBLISHERS NEW DELHI, 2019. Aug 2019; p. 234.

ISBN: 9-789-388-237796.

1. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 3”, (150 articles are written: All Authored by Prof. RRK Sharma); FEB 2020. ISBN: 978-93-89947-08-3; Mar 2020; p. 156.
2. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 4”, (It has 01 article + 4 software: All Authored by Prof. RRK Sharma); (Oct 2020); p. 192. ISBN: 9789389947212.
3. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 5”, (It has 139 articles are written: All Authored by Prof. RRK Sharma); ISBN: 978-93-89947-31-1; Jan 2021.
4. RRK Sharma, “Working Paper Series: Lecture Notes in Management Science: Vol 6”, (It has 048 articles are written so far: All Authored by Prof. RRK Sharma); ISBN: 978-93-91355-65-4; May 2022.

**TOTAL WORKING PAPERS: 781**

**An Explanation.** Book of working papers are to be evaluated by a panel of experts who will have members that can review papers in Operations Research, Operations Management, Organization Behavior, HRM, Information Technology and Systems etc. This is easily possible when papers of diverse subjects are submitted to national/international conference; but here cost of getting papers published are high (with money outflow in form of registration charges for so many papers. At the rate of USD 100 registration fees per paper, for 700 papers USD 70,000 or INR 50 Lakhs are required). It is difficult to find reviewers who are simultaneously experts in such diverse fields.

An attempt is made to insure that most of these working papers make an original (it has no data or an experimental investigation on computer or otherwise) contribution to body of knowledge (through extensive literature review) and is free from plagiarism. In other papers we present relevant and brief literature review.

For definition of working paper we refer you to <https://en.wikipedia.org/wiki/Working_paper>. It was given an ISBN number as working paper ID was not available. The purpose is to share these scientific working papers with all and get feedback before submitting these to peer reviewed journal(s) or international or national conference(s).

**Chapter(s) in Book(s) (Referred)**

1. Sharma, R.R.K., “An Application of Lagrangian Relaxation Based Approach to the Bulk Commodity Problem”, “Recent Developments in Mathematical Programming”, Chapter 23, edited by Dr. Santosh Kumar, Gordon and Breach Science Publishers, London. 1991, pp.369-382. **Oper Res** (scopus).  
   ISBN 2-88124-800-4 (Soft cover)  
   ISBN 2-88124-820-9 (Hard cover)
2. Sharma, R.R.K., Shukla, P.R. and Tripathy, A., “Application of Benders’ Decomposition-Larangian relaxation based Algorithm to the Warehouse Location Problems” in “Large Scale Optimization”, edited by Dr.A. Tripathy, Ch.5., Oxford and IBH Publishing Company Pvt. Ltd., 1991, pp. 58-90. **Oper Res**

ISBN 81-204-0593-5.

1. Sharma, R.R.K., “Food grains distribution in the Indian context: An operational study”, in “Operations Research for Development”, Ahmedabad, India; Chapter 5, Eds. Prof. A. Tripathy and Prof. J. Rosenhead, New Age International Publishers, New Delhi, 1996, pp. 212-227. **Oper Res**

ISBN 81-224-1016-2.

1. Sharma, R.R.K. and Sinha, Sharat, “A Sequencing based Multipass Heuristic for Improved Performance of MRP Context”, in Lecture Notes in Operations Research”, Part-7, Eds. Prof. Du, Prof. Zhang and Prof. Cheng, Beijing World Publishing Corporation, Beijing, 1996, pp. 659-668. **Oper Mgt**

ISBN 7-5062-2023-7.

1. Sharma, R.R.K. and Maj. A Ghosh, “Processes of manufacturing and corporate strategy making : Mutual influence and performance”, Innovation In Technology management : The Key to Global Leadership”, Eds. Dunder F Kocaoglu et.al., Portland State University, Portland Oregon, USA., pp. 631- 634, Published by the PICMET, Portland State University, Engineering Management Program, Portland Oregon, 97207-0751, USA, 1997. (appeared in IEEE/IEEE Explore Proceedings).

ISBN 1-890843-00-8. (IF: 12.0); **Strtgy**

1. Sharma, R.R.K., “Heuristic to modify lot sizes to improve performance in MRP Context”, Industrial Engineering Encyclopedia, published by International Journal of Industrial Engineering, USA, 1999. **Oper Mgt**

ISBN 0-9654599-X

1. Sharma, R.R.K. and Rao, M.V., “Application of Genetic Algorithm to Single level Lot Sizing Problem with Shortage Costs”, Operations management for Global Economy, Ed. Arun Kanda et. al., Phoenix Publishing House Pvt. Ltd., New Delhi, pp. 572-581, 1999. **Oper Mgt**

ISBN 81-7484-030-3

1. Sharma, R.R.K. and Reddy, V.R.K., Difficulty in aligning Manufacturing Decisions with Objectives in Dynamic Environments”, Operations management For Global Economy, Ed. Arun Kanda et. al., Phoenix Publishing House Pvt. Ltd., New Delhi, pp. 640-651, 1999. **Strtgy**

ISBN 81-7484-030-3

1. Sharma, R.R.K. and Berry, V., “Developing New Formulations and Relaxations of Single Stage Capacitated Warehouse Location Problem (SSCWLP) : Empirical Investigation for Assessing Relative Strengths and Computational Effort”, Logistics and Global Outsourcing, Kulwant S. Pawar, Chandra S. Lalwani and Janat Shah (Eds.), pp. 286-291, 2004.

ISBN : 0 85358 129 0. **Oper Res**

1. Sharma, R.R.K. and Pankaj, K., “A new GA based procedure for solving the portfolio selection problem”, Proceedings, National Conference on Management Science and Practice – held in honor of Prof. J.L. Saha at I.I.M., Ahmedabad, 380 015, India during Mar 31 – Apr 1, 2006, Ed. Prof. N. Ravichandran, pp. 107-114, 2007, **Fin Mod**

ISBN 81-8424-186-0.

1. Singh, S.P. and Sharma, R.R.K., “A Hybrid Genetic Search Based Approach to Solve Single Period Facility Layout Problem”, Proceedings, Asia Pacific Management Conference, XII, 2006, AIT, Bangkok, Thailand, pp. 1311-1315.

ISBN : 974-8257-30-4. **Oper mgt**

1. Sharma, R.R.K. and Sarkar, C., “CRM implementation and its influence on mode of strategy making chosen by the firm”, Proceedings, 10 th International Annual Convention on “Strategic Management for Firms in Developing Countries”, Editors : Dr Atanu Ghosh and Dr Gargi Bannerjee, held at IIT Mumbai during May 10-12, 07, pp. 357-365, 2007. ISBN 10: 81 8424 198 4. **Inf Sys**
2. Chatterjee, Devjani, Sharma, RRK and Shanker, K., “Important differences in management control systems, cultural dimensions and management practices of innovators, prospectors and defenders”, 3rd European Conference on Entrepreneurship and Innovation, The University of Winchester, UK, 15-16 Sept, 2008, Edited by Neil Marriot, Published by Academic Publishing Limited, **strtgy;** Reading, UK, 44-118-972-4148, [www.academic-publishing.org](http://www.academic-publishing.org), pp. 71-82, ISBN 978-1-906638-14-6. <http://academic-conferences.org/2-proceedings.htm>.
3. Verma, Mayank and Sharma, RRK, “Relaxations and equivalence of two formulations of the capacitated lot sizing problem with back-orders and setup times”, Proceedings of the Global Conference on Business and Finance, V4(1), 2009, ISSN: 1931-0285 (CD); ISSN: 1941-9589 (ONLINE); pp. 42-53. **Oper mgt**
4. Chatterjee, Devjani, Sharma, RRK, and Shanker K., “Management problem solving styles and behavioural practices of leaders in Innovators and Defenders”, Decision Sciences in Global Enterprise Management, Eds. Karuna Jain and Rahul Patil, Macmillan Publishers, 2009, ISBN: 10: 0230-63725-6; ISBN: 13: 978-0230-63725-2; pp. 222-234. **strtgy**
5. Verma, Priyanka and Sharma, RRK, “Relaxations of Decomposed Single Stage Capacitated Warehouse Location Problem: Empirical Comparison”, Decision Sciences in Global Enterprise Management, Eds. Karuna Jain and Rahul Patil, Macmillan Publishers, 2009, ISBN: 10: 0230-63725-6; ISBN: 13: 978-0230-63725-2; pp. 524-538. **Oper res**
6. Priyanka Verma and R.R.K. Sharma, “Strong and weak formulations ofSingle Stage Uncapacitated Warehouse Location Problem”, Springer LectureNotes in Computer Science - Communications in Computer and InformationScience, LNCS-CCIS, (Proceedings of the International Conference on RecentTrends in Business Administration and Information Processing, BAIP 2010),Trivandrum, India; 26-27 March, 2010; DOI: 10.1007/978-3-642-12214-9\_120; pp. 656-659. **Oper res**
7. Sharma, RRK, Rahul Sharma and Himangshu Hazarika, “Supply Chain Departments of Defenders, Prospectors and Analyzers: A Literature Review and Few Propositions”, Changing Ideas In Strategy, Ed. Prof. AP Sinha, Narosa Publishing, New Delhi; ISBN: 978-81-8487-100-5; 2010; pp.74-88. **strtgy**
8. Uma Nair S., RRK Sharma and Kripa Shanker, “Implementing MIS in Organizations: Developing a Theoretical Framework and its Empirical Validation”, in Recent Advances in Management and Information Security; Aurika Vaish, Pratika Mishra, A Vaish, P Dixit and MD Tiwari (Eds); ISBN: 978-81-8329-375-4; Shree Publishers and Distributors, New Delhi; 2010; pp. 370-377. **Inf Sys**
9. RRK Sharma and Ajay Jha, “Performance measures and sustainability index for supply chains in the 21 st century”, in RESEARH and SUSTAINABALE BUSINESS, Eds. Drs. Mukesh Kumar Barua and Zillur Rahman (DoMS IIT Roorkee); Excel India Publishers, pp. 892-903; ISBN: 978-93-83842-19-3; 2014. **SCM**
10. RRK Sharma, Deepa Mishra, Akshay Chawla and Ankur Agarwal, “Relating Buffering and Bridging Approaches to Supply Chain Strategy Types”, SIMSR Supply Chain Management Conference Proceedings, Chapter No: 3; ISBN Number; 978-93-5062-356-5; 2014. **SCM**
11. Dey, S.and Sharma, R. R. K. (2023). Mapping Information Systems Flexibility with Organization’s Manufacturing Strategy. In: Patnaik S., Vincenzo P., Tajeddini K., Jain V. (eds) From Technology Innovation to Creating Startups - Global Trends in Ecosystem Development and Management. Springer Nature, pp. 79-108; ISBN 978-3-031-40324-8; <https://link.springer.com/book/10.1007/978-3-031-40324-8>; **Inf Sys** (scopus).

**Journal Publication (Referred)**

1. Sharma, R.R.K., “Modeling a Fertilizer Distribution System”, European Journal of Operational Research, 51, 1991, pp. 24-34. IF: 6.36.2; Cite Score: 8.0+ (Scopus). **Oper Res**
2. Sharma, R.R.K. and Paradkar, S.S., “Modeling a railway freight transportation system”, Asia Pacific Journal of Operations Research, 12, 1995, 17-36. (IF 1.12); (Scopus). **Oper Mgt**
3. Sharma, R.R.K. and Shivanshu, U., “Manufacturing strategy: Relating process to contents”, Productivity, July-Sept, 1998, pages 272-279. **strtgy**
4. Sharma, R.R.K., “A new algorithm for preparing PERT networks”, Asia Pacific Journal of Operational Research, V 15 No.1,1998, pages 37-48. (IF 1.12); (Scopus). **Oper mgt**
5. Sharma, R.R.K. and Sharma, K.D., “A new dual based procedure for the transportation problem”, European Journal of Operational Research, V 122 (3), 2000, pp. 611-624. IF: 6.36; Cite Score: 8.0+; (Scopus). **Oper res**
6. Sharma, R.R.K., Sharma, N.K. and Purwar, P., “Influence of cognitive style of entrepreneurs on chosen processes of strategy making”, Journal of Technical and Vocational Training, Chennai, India, V 16, 2000, pp. 17-22. **strtgy**
7. Sharma, R.R.K., Seliger, G., Eggenstein, M., Shrotriya, S. and Upadhyaya, S., “Relating objectives and processes used in manufacturing organizations: New theoretical concepts and trends from field data from German and Indian manufacturing firms”, Productivity, V 42(2), 2001, pp. 274-280. **strtgy**
8. Sharma, R.R.K., Sharma N K and Baitha, N., “Impact of personality and environment on chosen strategy making process for small firms”, Journal of Technical and Vocational Education, V 18, 2001, pp. 34-46. **strtgy**
9. Sharma, RRK. and Saumya Prasad, “Obtaining a good solution to the uncapacitated transportation problem”, European Journal of Operational Research, V144(3), Feb 2003, 560-564. IF: 6.36; Cite Score: 8.0+; (Scopus). **Oper res**
10. Sharma, R.R.K. and Saxena, A., “Dual based procedure for the special case of transshipment problem”, OPSEARCH (INDIA), V39, No. 3-4, Aug.-Oct., 2002. (h index: 15; cite score: 1.25); pp. 177-188. **Oper res** (Scopus).
11. Sharma, R.R.K., Seliger, G., Eggenstein, M., Shrotriya, S. and Behera, A., “Relating objectives to manufacturing decisions in dynamic environments : Implications of an exploratory study to Indian and German manufacturing firms”, International Journal of Manufacturing Technology and Management, V 5, No. 5/6, 2003, pp. 472 – 491. (Abstract Indexed in IEEE Explore: 7 Aug 2002: IF: 12.0). **strtgy** (scopus)
12. Singh, S.P. and Sharma R.R.K., “A review of different approaches to the facility layout problem”, International Journal of Advanced Manufacturing Technology, 2006, V30, 425-433. IF: 3.56; (Scopus). **Oper mgt**
13. Sharma, R.R.K. and Chaudhary, R., “ERP implementation and its effect on a few variables of organization structure and manager’s job”, Journal of Academy of Business and Economics, Volume V, Number 3, 2005, pp. 140-149. **inf sys** (in ABDC C category as on 2013)
14. Sharma, R.R.K. and Berry, V., “Developing New Formulations and Relaxations of Single Stage Capacitated Warehouse Location Problem (SSCWLP): Empirical Investigation for Assessing Relative Strengths and Computational Effort”, European Journal of Operational Research, 2007, V 177, pp. 803-812. IF: 6.36; Cite Score: 8.0+; (Scopus). **Oper res**
15. Singh, S.P. and Sharma R.R.K., “Two-level modified simulated annealing based approach for solving facility layout problem”, International Journal of Production Research; V 46(13), July 2008, pp. 3563 – 3582. (IF: 6.5; cite score: 4.6); (Scopus). **Oper mgt**
16. Sharma, R.R.K. and Sharma, Abhishek, “ERP implementation in defenders and its influence on manager’s job: A case study”, International Journal of Business Research, V7 (2), 2007, pp. 136-141. **inf sys** (in ABDC C category as on 2013)
17. Sharma, R.R.K. and Gupta, Piyush, “Management control systems for manufacturing organizations”, Review of Business Research, V7 (3), 2007, pp. 194-198. **Strtgy** (in ABDC C category as on 2013)
18. Sharma, R.R.K., Sharma, Abhishek and Krishna, Jayant, “ERP implementation in a multi client-multi process organization: effect on manager’s job and organization structure”, European Journal of Management, V8(2), 2008, pp. 120-124. **Inf sys** (in ABDC C category as on 2013)
19. Singh, S.P. and Sharma, R.R.K., “Genetic algorithm based heuristic for the dynamic facility layout problem”, European Journal of Management, V8(1), 2008, pp. 127-134. **Oper mgt** (in ABDC C category as on 2013)
20. Sharma, R.R.K. and Singh, S.P., “A review of various linearization of the QAP: A comparative study for assessing relative computational effort”, Review of Business Research, V8(1), 2008, pp. 185-190. **oper mgt** (in ABDC C category as on 2013)
21. Shardindu Pandey and Sharma R.R.K., “Relating OD interventions to the strategy of the firm”, European Journal of Management, 2008, V8(1), pp. 44-53. **Org beha** (in ABDC C category as on 2013)
22. Sharma, RRK, Bhartia, G., and Dhanania, K., “Relationship of manufacturing and design department: An empirical validation of theoretical framework”, International Journal of Business Strategy, V8(2), 2008, pp. 89-94. **oper mgt** (in ABDC C category as on 2013)
23. Pandey, S. and Sharma RRK, “Combining exploitative and exploratory cultures: The case of a technology giant”, The International Journal of Knowledge, Culture and Change Management, V8(2), 2008, pp. 127-133. **Org beha** (scopus)
24. Singh, Vinay and Sharma, RRK, “Organizational alignment through balance scorecard (BSC) system in defenders, prospectors and innovators**”,** International Journal of Business Strategy, V 9(1); 2009; pp. 94-103. **strtgy**
25. Pandey, S. and Sharma RRK, “Matching symbolic interaction with relational bonding: Lessons from Toyota’s network”, V 5 (1), International Management Review Journal, 2009, pp. 50-55. **Org beha**
26. Uma Nair S., Sharma RRK and Kripa Shanker, “Relating Strategy of Organization to its Management Information Systems”, International Journal of Business Strategy, 2009, V 9(1); 2009; pp. 132-136. **inf sys** (in ABDC C category as on 2013)
27. Pandey, S. and Sharma RRK, “Organizational factors for Exploration and Exploitation”, Journal of Technology Management and Innovation, V 4, Issue 1, 2009, pp. 48-58. **Tech strtgy** (scopus)
28. FP Su, KK Lai, RRK Sharma and TS Kuo, “Patent priority network: Linking patent portfolio to strategic goals”, Journal of American Society of Information Science and Technology, V60(11), 2009, pp. 2353-2361. (impact factor 2.835). (Scopus). **Tech strtgy**
29. Sharma, R.R.K. and Muralidhar, A., “A new formulation and relaxation of the simple plant location problem”, Asia Pacific Journal of Operational Research, V 26(1), Feb 2009; pp. 1-11. (IF 1.12); (Scopus). **Oper res**
30. Sharadindu Pandey and RRK Sharma, “An empirical study of leadership characteristics in exploration-exploitative units”, International Leadership Journal, V1(3/4), Spring/Summer 2009, pp. 54-70; **org beha**
31. Sharadindu Pandey and RRK Sharma, “Organization Development Interventions for Prospectors: A Theoretical Framework and its Empirical Validation”, Global Business and Management Research: An International Journal; ISSN: 1947-5667; Universal-Publishers, Boca Raton, USA. Website: <http://www.gbmr.ioksp.com>; V 3(1); 2011; pp. 79-95. (cite score: 11.02); **org beha**
32. Uma Nair S., RRK Sharma and Kripa Shanker, “Relating culture to implementation of management information system in an organization”, International Journal of Business Research, 10(1), 2010, pp. 133-140. **inf sys** (in ABDC C category as on 2013)
33. Priyanka Verma and RRK Sharma, “Vertical Decomposition Approach for Two Stage Capacitated Warehouse Location Problems”, Global Business and Management Research; ISSN: 1947-5667; Universal-Publishers, Boca Raton, USA; V 2(2&3); 2010; pp. 275-284. (cite score: 11.02); **oper res**
34. Mayank Verma and RRK Sharma, “A New Lagrangian Relaxation Based Approach to solve Capacitated Lot-sizing Problem with Backlogging”, Global Business and Management Research; ISSN: 1947-5667; Universal-Publishers, Boca Raton, USA; V 2(2&3); 2010; pp. 285-295. (cite score: 11.02); **oper mgt**
35. RRK Sharma, KK Lai and WG Chaoyang, “Influence of Strategy and Culture on Management Control Systems (MCS): A Conceptual Framework**”,** International Journal of Strategic Management, V 10(1); June 2010; 164-168. **Strtgy** (in ABDC C category as on 2013)
36. Vinay Singh and RRK Sharma, “Relating critical success factors of information system implementation with the organizational strategy”, International Journal of Business Strategy, 2010, V 10(2), pp. 119-123. **inf sys** (in ABDC C category as on 2013)
37. Adhir Tondon, RRK Sharma and Uma Nair S., “ERP implementation approach in defender organizations: An empirical study”, International Journal of Business Research, 2010, V 10(2), 281-284. **inf sys** (in ABDC C category as on 2013)
38. SP Singh and RRK Sharma, “A Hybrid Genetic Search Based Approach to Solve Single Period Facility Layout Problem”, Asia Pacific Management Review”, V15(2), 2010, pp. 301-312. (Scopus). **Oper mgt**
39. Verma, P., & Sharma, R.R.K. (2010). Strong and weak formulations of Single Stage Uncapacitated Warehouse Location Problem. Springer Lecture Notes in Computer Science – Communications in Computer and Information Science, 70, 656-659. (Scopus). **Oper res**
40. N Gupta, RRK Sharma and NK Sharma, “Research Culture in Academia: A Conceptual Scheme and its Application”, AIMS International Journal of Management, V5, No. 1, 2011, pp. 35-46. **Org beha**
41. Rajesh P Mishra, RRK Sharma and SP Singh, “A lagrangian relaxation procedure for solving twin objective facility layout problem”, International Journal of Business Research, 2011, V 11(2), pp. 170-174. **oper mgt** (in ABDC C category as on 2013)
42. Namrata Gupta, RRK Sharma and NK Sharma, “Role of culture in academic performance: Case of two Indian Institutes of Technology”, Review of Business Research, 2011, V 11(1), pp. 145-150. **org beha** (in ABDC C category as on 2013)
43. Priyanka Verma and RRK Sharma, “Vertical Decomposition Approach to solve Single Stage Capacitated Warehouse Location Problem”, American Journal of Operational Research, V 1 (3), 2011, pp. 1-18. (IF: 1.07; Cite Score: 6.8/article); **oper res**
44. RRK Sharma and Priyanka Verma, “Hybrid Formulations of single stage uncapacitated warehouse location problem: Few theoretical and empirical results”, International Journal of Operations and Quantitative Management, V 18 (1), Mar 2012, pp. 53-69. (Scopus). **Oper res**
45. Ram Misra, RRK Sharma, Hemant Kakkar, “A case based study of relationship between innovation, organization structure and architecture”, Journal of Academy of Business and Economics, V 11 (4), 2011, pp. 198-203. **tech strtgy** (in ABDC C category as on 2013)
46. R Shriniwas Sharma, RRK Sharma, Vinay Singh and SP Singh, “A lagrangian based procedure for solving simple plant layout problem”, Journal of Academy of Business and Economics, V12(1), 2012; pp. 161-166. **oper mgt** (in ABDC C category as on 2013)
47. RRK Sharma, SM Patil and Tandon, A., “Customization and best practices model for ERP implementation: An Analysis”, International Journal of Business Strategy, V12 (1), 2012, pp. 1-9. **inf sys** (in ABDC C category as on 2013)
48. Amit K Gupta and RRK Sharma, “Deterministic joint replenishment problem with restriction on total storage capacity”, International Journal of Strategic Management, V 12 (1), 2012, pp. 27-36. **Oper mgt** (in ABDC C category as on 2013)
49. Saba Iqbal and RRK Sharma, “A STUDY OF ORGANIZATION STRATEGIES, STRUCTURES, CULTURE DIMENSIONS AND MANAGEMENT CONTROL SYSTEMS OF VARIOUS RETAIL FORMATS”, International Journal of Business Strategy, V 12 (1), 2012, pp. 39-46. **Mktg** (in ABDC C category as on 2013)
50. Sharma, RRK, Agarwal, Pritee and Vinay Singh, “BENDERS’ DECOMPOSITION FOR DIFFERENT FORMULATIONS OF SINGLE STAGE CAPACITATED WAREHOUSE LOCATION PROBLEM (SSCWLP): A BRIEF THEORETICAL AND EMPIRICAL INVESTIGATION”, International Journal of Business Research, V 12(1), 2012, pp. 43-50. **oper res**
51. Sharma, RRK, Dubey Sonal, Verma, Priyanka, Verma, Mayank, “Solving Single Stage Uncapacitated Warehouse Location Problem by Combination of OR Based Heuristic and Genetic Algorithm”, International Journal of Operations and Quantitative Method, V 18, No 3, Sept 2012; pp. 211-228. (H index 9). (Scopus). **Oper res**
52. Saba Azeem and RRK Sharma, “An understanding of hard and soft discounters during boom and recessionary phase”, International Journal of Strategic Management, V12 (4), 2012; pp. 44-51. **Mktg** (in ABDC C category as on 2013)
53. RRK Sharma, G Chandra Mouli, Mayank Verma, Priyanka Verma, “Evaluating strong, weak and hybrid formulations of the single stage capacitated warehouse location problem”, International J of Operations Research, V20 (2); 2014; pp.156-179. (H Index 23). (Scopus). **Oper res**
54. Sharma, RRK. Dubey, Ananya, Singh, SP, “SOLVING TWIN OBJECTIVE FACILITY LAYOUT PROBLEM (TOFLP) BY LAGRANGIAN RELAXATION PROCEDURE: PRELIMINARY COMPUTATIONS”, Review of Business Research, V 13, 2013, pp. 61-64. **oper mgt** (in ABDC C category as on 2013)
55. Sharma, RRK, Sharma, R Shriniwas, and Kulkarni, Apoorva, “FEW IMPROVEMENTS TO AN ALGORITHM FOR PREPARING PERT NETWORKS”, Review of Business Research, V 13, 2013, pp. 29-34. **oper mgt** (in ABDC C category as on 2013)
56. Sharma, RRK and Mokashi, “ADD, DROP and INTERCHANGE heuristics for the portfolio selection problem*”, International J of Operations and Quantitative Methods,* V 19, No. 1, pp. 59 – 70, March 2013. (Scopus). **Fin mod**
57. RRK Sharma and Pritee Agarwal, “Solving Single Stage Capacitated Warehouse Location Problem (SSCWLP) by Branch and Bound and Benders’ Decomposition Methods: A Comparative Study”, International J of Operations and Quantitative Management, V 19 (3); Sep. 2013; pp. 147-156. (Scopus). **Oper res**
58. Sharma, RRK and Pritee Agarwal, “Solving SSCWLP using Benders’ decomposition: Theoretical and Computational Study for Different Formulations”, International J of Strategic management, V 14 (1); 2014; pp. 35-44. **Oper res** (in ABDC C category as on 2013)
59. Pratima Verma and Sharma RRK, “Relating organization culture and structure to enhance the Horizontal Strategy in Conglomerates”, California Business Review, V 2(1); 2014; pp. 25-34. **strtgy**
60. Vimal Kumar and Sharma, RRK, “TQM implementation: Relating Critical Success Factor to Strategy of the firm”, California Business Review, V 2(1); 2014; pp. 19-24. **strtgy**
61. Sharma, RRK, Ajay Jha, Adhir Tandon and Hasan, Syed Ali, “Relating ERP Configuration models to Business Strategy of the firm”, California Business Review, V 2(1); 2014; pp. 45-50. **Inf sys**
62. Vimal Kumar and Sharma, RRK, “TQM implementation: Difficulty encountered by firms with different strategies and cultures”, Review of Business Research, V 14 (1); 2014; pp. 93-98. **Strtgy** (in ABDC C category as on 2013)
63. Pratima Verma and Sharma RRK, “Relating leadership, control systems and employee attributes to successful implementation of horizontal strategy in conglomerates”, Review of Business Research, V 14 (1); 2014; pp. 105-110. **Strtgy** (in ABDC C category as on 2013)
64. RRK Sharma and Deepa Mishra, “Relating HR Outsourcing to Supply Chain Strategy”, Journal of International Management Studies, V 14(1), 2014; pp. 7-12. **HR & IR**
65. RRK Sharma and Pritee Agarwal, “Approaches to solve MID\_CPLP problem: Theoretical results and empirical investigation”, American J of Operational Research, 4, 2014, pp. 142-154. (IF: 1.07; Cite Score: 6.8/article); **oper res**
66. Vimal Kumar and RRK Sharma, “TQM Implementation: Relating Leadership Styles to Achieve Continuous Improvement AND/OR Innovation”, California Business Review; V 2(2); 2014; pp. 13-20. **Org beha**
67. RRK Sharma and Deepa Mishra, “Relating Postponement and Flexibility to strategy of the firm”, Journal of International Management Studies, V 14 (1); pp. 7-12; 2014. **SCM**
68. RRK Sharma, Vimal Kumar and Tanmay Kulshrestha, “TQM Implementation: Difficulty Encountered by Organizations having Different Strategies and Values”, European J of Business Research, V 14(2); 2014; pp. 33-42. **strtgy**
69. Pratima Verma and RRK Sharma, "THE LINKAGES BETWEEN BUSINESS STRATEGIES, CULTURE AND COMPENSATION USING MILES & SNOW’S AND HOFSTEDE CULTURE FRAMEWORK" in International J of Business Strategy; V 14 (3), 111-116; 2014. **Strtgy** (in ABDC C category as on 2013)
70. RRK Sharma and Surajit Saha, “Relating Architectural and Modular Innovation to Organization Structure of the R&D Function”, European J of Business Research, V14 (3); 2014; p. 29-38. **Tech strtgy**
71. Ajay Jha and RRK Sharma, “Relating Flexibility, Market Attractiveness and Postponement in Supply Chains”, International J of Business Strategy, V 14 (3); pp. 27-32; 2014. **SCM** (in ABDC C category as on 2013)
72. S Azeem and RRK Sharma, ‘Elements of the retail marketing mix: A Study of different retail formats in India’, The Business and Management Review, 5(4), 51-61; 2015. **MKTG**
73. Niraj K Vishvakarma and RRK Sharma, “RFID implementation critical success factors and RFID adoption strategies: A theoretical framework”, International J of Business Strategy, V15 (1); pp. 29-38; MAR 2015. **inf sys** (in ABDC C category as on 2013)
74. Niraj K Vishvakarma and RRK Sharma, “Relating organizational strategy, culture and control systems with implantation strategy of Business Process Re-engineering (BPR)”, Journal of Academy of Business and Economics, V15(1); p. 27-38; MAR 2015. **inf sys** (in ABDC C category as on 2013)
75. Niraj K Vishvakarma, Winston James and RRK Sharma, “RELATING “INTERNET OF THINGS” (IoT) ARCHITECTURES TO STRATEGY TYPES OF ORGANIZATIONS: A CONCEPTUAL FRAMEWORK”, Journal of International Management Studies, V15 (1); pp. 35-42; 2015. **Inf sys**
76. Mayank Verma and RRK Sharma, “Lagrangian based approach to solve a two level capacitated lot sizing problem”, COGENT ENGINEERING (Open Access Journal); 2015 (2): 108861; (Manuscript No: COGENTENG: 113R2); (h index: 12; cite score: 1.4);  2:1, DOI: [10.1080/23311916.2015.1008861](https://doi.org/10.1080/23311916.2015.1008861). (Scopus). **Oper mgt**
77. RRK Sharma, Pararg Tyagi, Vimal Kumar and Ajay Jha, “Developing strong and hybrid formulation for the Single Stage Single Period Multicommodity warehouse location problem: Theoretical Framework and Empirical Investigation”, American J of Operational Research; 2015; V 5; pp. 112-127. (IF: 1.07; Cite Score: 6.8/article); **oper res**
78. Surajit Saha, RRK Sharma and Arjun Kulhar, “Relating Personality and Creativity Types”, California Business Review, V3 (1); pp. 33-40; 2015. **Org beha**
79. RRK Sharma and Kumar Agnivesh, “New Formulation of Simple Plant location Problem (SPLP) and its Lagrangian Relaxation: Preliminary Computational Results”, AIMS International Journal of Management, V 9(2), May 2015, pp. 155-161. **Oper res**
80. RRK Sharma and Surajit Saha, “Relating Big Five Factor of Personality to Innovative Leadership”, California Business Review, V3(2); pp. 37-40; 2015. **Org beha**
81. Mayank Verma and RRK Sharma, “Hybrid Formulation of Multi Item Capacitated Lot Sizing Problem”, American J of Operational Research, V5; 2015; pp. 503-513. (IF: 1.07; Cite Score: 6.8/article); **oper mgt**
82. Saba Azeem and RRK Sharma, ‘Elements of retail marketing mix: a study of different retial formats in India’, The Business and Management Review, V5(4), 2015. **MKTG**
83. Niraj, KV, Sharma, RRK, Om Gupta, and Bhatt, DN, “An empirical study of relationship between RFID implementation critical success factors and organizational strategy”, Asian J of Information and Communication, V 8 (2); 2016, pp. 1-24. **Inf sys**
84. RRK Sharma, Ankita M, Vimal kr, Vinay Singh and Pritee Agarwal, “Developing modified Benders decomposition method for single stage multi commodity multi period warehouse location problem”, American J of Operations Research, V6; 2016, pp. 245-259. (IF: 1.07; Cite Score: 6.8/article); **oper res**
85. Vinayak A Drave and RRK Sharma, “Identification of drivers affecting performance of different retail formats”; Academy of Contemporary Research Journal; V5(2); 2016; pp. 1-8. **MKTG**
86. Deepa Mishra, RRK Sharma, Sameer Kumar and Rameshwar Dubey, “Bridging and buffering: Strategies for mitigating supply risk and improving supply chain performance”, Int. J of Production Economics, V 180 (2016), pp. 183-197. IF: 11.25; (Scopus). **SCM**
87. Vinayak Drave and RRK Sharma, “Relating Organization Strategy and Structure to Different Types of Retail Formats”, Academy of Contemporary Research Journal V V(III), 23-29, ISSN: 2305-865X © Resource Mentors (Pvt) ltd (Publisher); <http://aocrj.org/archive/>; 2016. **MKTG**
88. Priyank Sinha and RRK Sharma, “Dual Based Procedures for Un-Capacitated Minimum Cost Flow Problem", American J of Operational Research, V6(6); 2016; pp. 468-479. (IF: 1.07; Cite Score: 6.8/article); **oper res**
89. Atanu Mondal, RRK Sharma and Niraj V, “Linking organizational strategies to multiagent system typologies”, International J of Innovation and Technology Management; V 7 (3); 2016; pp. 106-110. (IF: 1.92); (Scopus). **strtgy**
90. Vimal Kumar and RRK Sharma, “Relating problem solving styles of leaders to TQM focus”, The TQM Journal; V 29(2); 218-239; 2017. (IF: 2.5); (Scopus). **Org beha**
91. Vimal Kumar and RRK Sharma, “Exploring critical success factors for TQM implementation using interpretive structural modelling approach: extract from case studies”, International J of Productivity and Quality Management, V21 (2); 2017; pp. 203-228; (Scopus); **org beha**
92. Vinay Singh, RRK Sharma, Thanos, P., and R Dubey, “Differences in information system for exploratory and exploitative processes of innovation and UDR/USR type of innovators”; Int. J. Business Information Systems, Vol. 25, No. 3, 2017. (Scopus); pp. 352-372. (Scopus). **Tech strtgy**
93. Pratima Verma; Sharma RRK and Vimal Kumar, “The sustainability issues of diversified firms in emerging economies context: a theoretical model and propositions”, Int J of Process Management and Benchmarking; V 7(2); 2017; pp. 224-248. (Scopus); IS: 5.88; (Scopus). **strtgy**
94. Vimal Kumar and RRK Sharma, “Conquering in Emerging Markets: Critical Success Factors to Enhance Supply Chain Performance”, Bench Marking: An International Journal; V 24(3); pp. 570-593; 2017. (cite score: 3.1); IS: 5.88; (Scopus). **SCM**
95. Vimal Kumar and RRK Sharma, "An Empirical Investigation of Critical Success Factors Influencing the Successful TQM Implementation for firms with different strategic Orientation"; International J of Quality and Reliability Management, 2017; Vol. 34 Issue: 9, pp.1530-1550. (IF: 2.5); (Scopus). **Org beha**
96. Mayank Verma and RRK Sharma, "A novel approach based on relaxation and reduction to solve the capacitated lot sizing problem"; International Journal of Industrial and Systems Engineering; September 27, 2018; pp. 178-192; <https://doi.org/10.1504/IJISE.2018.094841>. (Scopus); **oper mgt**
97. Pratima Verma and RRK Sharma, "The Linkages between Horizontal Strategy, Person-Environment fit and Horizontal Fit: An Empirical study", International Journal of Industrial and Systems Engineering; V28(2); 2018; pp. 216-239. (Scopus); **strtgy**
98. Deepa M, RRK Sharma, A Gunasekaran, Thanos, P., and Rameshwar Dubey, “Role of decoupling point in examining manufacturing flexibility: an empirical study for different business strategies”, Total Quality Management & Business Excellence; (Print) 1478-3371; (Online) Journal homepage: <http://www.tandfonline.com/loi/ctqm20>; (IF: 2.60); (Scopus). **Oper mgt**
99. RRK Sharma, Vimal Kumar, and Nilanjan Das Khan., “Developing a New Reformulation of Single Level Capacitated Lot Sizing Problem (SLCLSP) with Set Up, Shortage and Inventory Costs”; American J of Operational Research, V7(5); 2017; pp. 282-284. (IF: 1.07; Cite Score: 6.8/article); **oper mgt**
100. RRK Sharma, “Obtaining Optimal Solution by Using Very Good Non-Basic Feasible Solution of the Transportation and Linear Programming Problem”, American J of Operations Research; V7(5); 2017; pp. 285-288. (IF: 1.07; Cite Score: 6.8/article); **oper res**
101. RRK Sharma and Syed Moize Ali, ‘Reducing a Lot Sizing Problem with Set up, Production, Shortage and Inventory Costs to Lot Sizing Problem with Set up, Production and Inventory Costs’, American Journal of Operations Research 07(05):282-284; 2017; DoI: [10.4236/ajor.2017.75020](https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.4236%2Fajor.2017.75020?_sg%5B0%5D=TKBzu5vGFe5CNN3lps9jei6yut0yUECdAandlcLQawT50sqNq7HQoTw3P3JfMoZ5UMNaie2lbCw29lTugL2WcmbUKg.6HF_WAeDUJiAnKuzvVkBenTcQ6oobhtpfu0rU5HPo6d3iptVINx6WTj4yZ4rX6ef2UDMpOAIhFxe4hoF_Q2BEg); (IF: 1.07; Cite Score: 6.8/article); **oper mgt**
102. Krittika, Niraj, V., RRK Sharma, Lai, KK, “ Linking big data analytics to a few industrial applications: A concep­tual review”, *Journal of Information & Optimization Sciences* (2017; pp. 803-812); (Scopus); **inf sys**
103. Deepa Mishra, Sameer Kumar, RRK Sharma, Rameshwar Dubey, "Outsourcing decision: do strategy and structure really matter?", Journal of Organizational Change Management, https://doi.org/10.1108/JOCM-04-2017-0144 Permanent link to this document: <https://doi.org/10.1108/JOCM-04-2017-0144>. (IF: 1.2); 2018; 31(1); pp. 26-46. (scopus) **strtgy**
104. Sharma, RRK., “EFFICACY OF STRONG FORMULATION OF SINGLE STAGE WAREHOUSE LOCATION PROBLEM IN THE CONTEXT OF BENDERS’ DECOMPOSITION”, International J of Business Strategy, (18(1); pp. 37-40). <http://dx.doi.org/10.18374/IJBS-18-1.4>. **oper res** (in ABDC C category as on 2013)
105. Pratima Verma and RRK Sharma, “The Linkages between Business Strategies, Culture, and Compensation using Miles & Snow’s and Hofstede Culture Framework in Conglomerate Firms", Benchmarking: an International Journal 2019; (26(4); pp. 1132-1160). (cite score: 3.1); IS: 5.88; (Scopus). **strtgy**
106. Priyank Sinha and RRK Sharma, “Efficient Heuristic Based Methods for Two-Stage Transshipment problem”, American J of Operations Research; 2018; 281-293. (IF: 1.07; Cite Score: 6.8/article); oper res

1. Vimal, K, Sharma, RRK, Thanos, P., Guna Sekaran, Dubey, R., “Leadership Styles and their relationship with TQM Focus for Indian Firms: An Empirical Investigation”, International J of Productivity and Performance management, 2018, V 67(6); pp. 1063-1088. IF: 2.65. (Scopus). Org beha
2. Tesfaye Tolu Feyissa, R. Raghavendra Kumar Sharma, Kuei-Kuei Lai, (2019) "The impact of the core company’s strategy on the dimensions of supply chain integration", The International Journal of Logistics Management, <https://doi.org/10.1108/IJLM-03-2017-0080>. (IF: 2.75); 30(1); pp. 231-260; (Scopus). SCM
3. RRK Sharma, Priyank Sinha and Mananjay Verma, “Computationally Efficient Problem Reformulations for Capacitated Lot Sizing Problem”; AJOR, V(8); pp. 312-322; 2018. (IF: 1.07; Cite Score: 6.8/article); **oper mgt**
4. Surajit Saha and RRK Sharma, ‘The Impact of personality and cognitive style of managers on their work types’; J of Management Development’, 2019. <https://doi.org/10.1108/JMD-04-2017-0103>; (IF: 1.7); 38(1); pp. 58-71. (Scopus**). Org beha**
5. Vimal Kumar, R.R.K. Sharma, Pratima Verma, Kuei-Kuei Lai, Yu-Hsin Chang, "Mapping the TQM implementation: An empirical investigation of the cultural dimensions with different strategic orientation in Indian firms", Benchmarking: An International Journal, Vol. 25 Issue: 8, pp. 3081-3116 (2018); <https://doi.org/10.1108/BIJ-06-2017-0150>; (cite score: 3.1); IS: 5.88; (Scopus). **Org beha**
6. Niraj KV, Rohit Singh and RRK Sharma, “Internet of Things Architectures: Do Organizational Strategies matter?”, Business Process Management, 26(1); pp. 102-131; 2020. (IF: 1.9); (Scopus). **Inf sys**
7. Anjali Sharma and RRK Sharma, ‘Influence of Marketing Mavens on Consumer Switching: Role of Personality’, Journal of Marketing Development and Competitiveness; (13(2), pp. 62-72). (H Index: 21); **MKTG**
8. Gagan Deep Kaur and RRK Sharma, Total Reward Strategies to Attract and Retain Employees: An Analysis of Indian Startups;Journal of Management Research 2019; V19(4); pp. 3-16. **HR & IR**
9. Kaur, G. and Sharma, R. R. K., Linkages Between Culture (National, Organizational and Professional) and Total Reward Expectation of Employees: A Conceptual Framework (February 26, 2019). The IUP Journal of Organizational Behavior, Vol. XVIII, No. 4, October 2019, pp. 25-49, Available at SSRN: <https://ssrn.com/abstract=3793528>. **HR & IR**
10. Somen Dey, RRK Sharma and BK Pandey, ‘Relationship of Manufacturing Flexibility with Organizational Strategy’, Global J of Flexible Systems Management, 2019. (IF: 3.32; h index: 21); 20(3), DOI: [10.1007/s40171-019-00212-x](http://dx.doi.org/10.1007/s40171-019-00212-x); IS: 7.02; (Scopus). **strtgy**
11. Niraj V, Rohit Sharma and RRK Sharma, ‘Cluster and DEMATEL Analysis of Key RFID Implementation Factors Across Different Organizational Strategies’, Global Business Review, 2019, pp. 1-16. (Scopus). **Inf sys**
12. Verma P., Sharma RRK and Chen LH, ‘Measuring organizational capabilities to horizontal strategy implementation for conglomerates’, Business Strategy and Development, 3(1), 2020, pp. 64-76. (sister J of Business Strategy and Environment: IF 3.5). (Scopus). **strtgy**
13. Surajit Saha and RRK Sharma, “The impact of leaders’ cognitive style and creativity on organizational problem-solving", Benchmarking: an International Journal; Jun 2020 (27(8), pp. 2261-2281). (cite score 3.1). IS: 5.88; (Scopus). **Org beha**
14. P Verma, RRK Sharma, V Kumar, Hsu and KK Lai, ‘organizational variables to the implementation of horizontal strategy in conglomerates’, Benchmarking, 2020, **DOI:**10.1108/BIJ-01-2020-0002. (29(5), 1703-1733). (cite score 3.1). IS: 5.88; (Scopus). **strtgy**
15. SP Singh, Song M and RRK Sharma et. al, ‘Preface: sustainable operations in manufacturing enterprise’, Annals of OR, V 290, Issue 1-2, 1 July 2020. **DOI:**10.1007/s10479-020-03679-5. (IF 2.6). (Scopus). **Oper mgt**
16. Vinay Singh, RRK Sharma and KK Lai, ‘Relating Organizational Strategy and Information System implementation Planning’, IEEM Conference, Singapore Dec 15-17, 2020, (scopus) (accepted, to appear in IEEE Explore, pp. 898-902, IF 10.4+). **Inf system**
17. Piya Ghosh, RRK Sharma and Ajay Jha, ‘Managing carbon  
    footprint for a sustainable supply chain: A systematic literature review’, Modern Supply Chain Research and Applications, 2020; <https://doi.org/10.1108/MSCRA-06-2020-0016>. pp. 123-141. **SCM**
18. Niraj KV, RRK Sharma and Anup Kumar, ‘An empirical Analysis of Impact of Organizational strategies on Critical Success Factors of Business Process Re-engineering’, Global Journal of Flexible Systems Management. <https://doi.org/10.1007/s40171-021-00259-9>. IF: 3.32; 22; pp. 55-73. 2021; (Scopus). **Inf sys**
19. Sheela R Sharma and RRK Sharma, ‘Relating Organization Structure of Hospitals To Its Cost Leader (CL) And Differentiation (DIFF) Strategy: Case Study of Two Hospitals in India’, Journal of Academy of Hospital Administration; V 31(2) & 32(1); 2019-JUN 2020; p. 42-48. UGC Approved Journal. **strtgy**
20. [Jha, A.](https://www.emerald.com/insight/search?q=Ajay%20Jha), [Sharma, R.R.K.](https://www.emerald.com/insight/search?q=R.R.K.%20Sharma), [Kumar, V.](https://www.emerald.com/insight/search?q=Vimal%20Kumar) and [Verma, P.](https://www.emerald.com/insight/search?q=Pratima%20Verma) (2022), "Designing supply chain performance system: a strategic study on Indian manufacturing sector", [*Supply Chain Management*](https://www.emerald.com/insight/publication/issn/1359-8546), Vol. 27 No. 1, pp. 66-88. <https://doi.org/10.1108/SCM-05-2020-0198>. Scopus Cite Score 2022: 17.6. (Scopus). **SCM**
21. Ajay Jha, RRK Sharma and Vimal Kumar, ‘Critical Success Factors for Open-Source Innovation in Pharma Industry: Learnings from Two Case Studies’, The TQM Journal, (https://www.emerald.com/insight/1754-2731.htm). IS: 4.5; 28 Sept. 2022. (Scopus). **Tech strtgy**
22. RRK Sharma, Shivam Saini, Omprakash Gupta and Vinay singh, ‘A New Model of MF SPLP’, American J of OR 2023, 13(1), p. 1-7; DOI: 10.5923/j.ajor.20231301.01 **OR**
23. RRK Sharma, Vinay Singh, D Nithin and Kshitiz Mittal, ‘MULTI STOREY FACILITY LAYOUT PROBLEM WITH UNEQUAL SIZED MACHINES AND SLOTS’, American J of OR 2023; 13(1), p. 8-12; DOI: 10.5923/j.ajor.20231301.02 **OR**

**International/National Conference Published (Referred)**

1. Sharma, R.R.K. and Potty, V.S., “Multipass Heuristics for Improved Stockout Performance in MRP Systems” in “Design Automation and Computer Integrated Manufacturing”, edited by Dr. V. Raju (Chairman, Department of Manufacturing Sciences, Rochester, Institute of Technology, USA) and others, Section-10, Tata McGraw Hill Publishing Company, 1991, pp. 275-282. **Oper mgt**

1. Sharma, R.R.K., Seliger, G., Eggenstein, M., Shrotriya, S. and Behera, A., “Relating objectives to manufacturing decisions in dynamic environments”, (appeared in IEEE/IEEM explore proceedings). (scopus) [(IEEE Cat. No.01CH37199)](https://ieeexplore.ieee.org/xpl/conhome/7553/proceeding); (IF: 12.0); **oper mgt**
2. Sharma, R.R.K. and Namdeo, S., “Two stage capacitated warehouse location problem: Developing new strong constraints”, Proceedings, Fifth International Conference on Operational Research for Development : ICORD V”, held at Jamshedpur, INDIA during Dec. 19-21, 2005, pp. 330-333. **Oper res**
3. Sharma, R.R.K. and Suhail, A., “Different cultures of prospectors and defenders”, Proceedings, International Conference on Operations and Quantitative Methods – VII, Jaipur India, Aug 3-5, 2006, pp. 777 – 782. **strtgy**
4. Singh, S.P. and Sharma, R.R.K., “Best permutation for dynamic plant layout problem”, Proceedings, International Conference on Operations and Quantitative Methods – VII, Jaipur India, Aug 3-5, 2006, pp. 356-362. **Oper mgt**
5. Priyanka Verma and Sharma R.R.K., “Vertical decomposition approach to solve the single stage capacitated warehouse location problem”, Proceedings of 2007 IEEE IEEM conference held in SINGAPORE during Dec 4-8, 2007, pp. 907 – 911; ISBN : 978-1-4244-1529-8. (appeared in IEEE/IEEE Explore Proceedings). (scopus) (IF: 12.0); **oper res**
6. Sharadindu Pandey and RRK Sharma, “Managing Transformational Change in Prospectors and Defenders”, IABE Proceedings (ISSN 1931-7498), Stockholm, Vol.4, Number 1, pp. 71-84, 2008. **Org beha** <https://iabe.org/iabeX/Documents/Proceedings/IABE-2008%20Stockholm-%20Proceedings.pdf>
7. [Su, F.-P.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=24823230500&zone=), [Lai, K.-K.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=24476132800&zone=), [Yang, W.-G.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=35209380800&zone=), [Sharma, R.R.K.](https://www.scopus.com/authid/detail.uri?origin=resultslist&authorId=7407245583&zone=); “[A heuristic procedure to identify most valuable chain of patents in a given technology](https://www.scopus.com/record/display.uri?eid=2-s2.0-70450211290&origin=resultslist&sort=plf-f&src=s&st1=Sharma&st2=R.R.K.&nlo=1&nlr=20&nls=count-f&sid=dd97a8bee121d18a9742c22583567338&sot=anl&sdt=aut&sl=59&s=AU-ID%28%22Sharma%2c+Renduchintala+Raghavendra+Kumar%22+7407245583%29&relpos=37&citeCnt=1&searchTerm=)”; 2009 PICMET Portland International Centre for Management of Engineering & Technology Proceedings; 5261933; pp. 1959-1965; (scopus) **tech strtgy**
8. M Verma and RRK Sharma, ‘Relaxations and Equivalance of two formulations of capacitated lot sizing problem with back orders and set up times’, Global Conference on Business and Finance Proceedings, 4(1), 42-53, 2009. **Oper mgt**
9. Verma, Mayank and Sharma, RRK, “Solving multi-item multi-period capacitated lot sizing problem with considerations of backorders and setups”, accepted for presentation at the 2nd International Conference on Computer and Automation Engineering (ICCAE 2010) at SINGAPORE; V 4; Eds. Dr V. Mahadevan and Dr Zhou Jianhong; pp. 18-22; ISBN: 978-1-4244-5585-0; IEEE Catalog Number: CFP1096F-PRT. (appeared in IEEE/IEEM proceedings). (scopus) (IF: 12.0); **oper mgt**
10. Verma, Mayank and Sharma, RRK, “Multi item multi period capacitated lot sizing problem with backorders and setup considerations: strong and weak formulations”, IEEE Transactions in China, 2010; pp. 195-199, ISBN 978-1-4244-7117-1/10. (appeared in IEEE/IEEM proceedings). (scopus) (IF: 12.0); **oper mgt**
11. Verma, Mayank, Sharma, RRK, “Lagrangian relaxation and bounded variable linear program to solve a two level capacitated lot sizing problem”, IEEE; ICNCS of ICECT 2011, 978-1-4244-8679-3/11/$26.00 ©2011 IEEE; pp. 188- 192. (scopus) (IF: 12.0); **oper mgt**
12. Amit K Gupta, RRK Sharma, “Deterministic joint replenishment problem with multiple restriction: A Lagrangian Relaxation approach”, IEEE International Conferrence on Industrial Engineering and Engineering Management, Dec. 10-13, 2012, HONG KONG, ISBN: 978-1-4673-2945-3/12; pp. 513-517. (scopus) **Oper mgt**
13. Devjani Chatterjee and Sharma, RRK, “Comparing Innovators Engaged in Ambidexterity: Case of Two Multinational Giants”, Proceeding of 2013 IEEE Conference on Business Innovation and Technology Management Conference held during May 17-19; 2013; Beijing; China; 978-1-4673-5570-4 /13/$31.00 ©2013 IEEE. (scopus) (IF: 12.0); **tech strtgy**
14. RRK Sharma, Ajay Jha and Sandeep Rajput, “Developing Proprietary or Open Source Technology: Learnings from Five Case Studies”, IEEM 2013; 12 Dec 2013; Thailand, Bangkok; 978-1-4799-0986-5/13/$31.00 ©2013 IEEE; pp. 1505-1509. (appeared in IEEE/IEEM explore proceedings). (scopus) (IF: 12.0); **tech strtgy**
15. Pratima Verma and RRK Sharma, “The Linkages Among Horizontal Strategy, Person-Environment fit and Strategic Human Resource Management”, Proceedings of the IEEE conference on IEEM, Singapore, Dec 6-9; 2015; Publication in IEEE Explore; 978-1-4673-8066-9/15/$31.00 ©2015 IEEE; pp. 140-144. (appeared in IEEE/IEEM Proceedings). (scopus) (IF: 12.0); **strtgy**
16. Vimal Kumar and RRK Sharma, “Identifying Critical Success & Failure Factors for TQM Implementation: Extract from Real Case Studies”, Proceedings of the IEEE conference on IEEM, Singapore, Dec 6-9; 2015 Publication in IEEE Explore; 978-1-4673-8066-9/15/$31.00 ©2015 IEEE; pp. 16-20. (scopus) (appeared in IEEE/IEEM proceedings). (IF: 12.0); **org beha**
17. S Ali, RRK Sharma and Om Gupta, “Lagrangian Relaxation Procedure for the Capacitated Dynamic lot Sizing Problem” 13 AIMS International Conference, Indus Business School, Bangalore, Dec 19; 2015; pp. 116-122. **Oper mgt**
18. RRK Sharma and Priyank Sinha, “Dual based Procedure for the Single Stage General Minimum Cost Flow Problem”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 3189-3200. (Scopus Linked). **Oper res**
19. RRK Sharma and Pratima Verma, “Structure, Evaluation and Employee Resistence: Impediments to Horizontal Strategy Implementation in Diversified Corporations”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 770-778. (Scopus Linked). **strtgy**
20. Tesfaye, TF and RRK Sharma, “Determinants of the Scope of the Supply Chain in E-corporation”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 31-37. (Scopus Linked). **SCM**
21. Tesfaye, TF and RRK Sharma, “Relating Supply Chain E-integration to Organizational Strategy”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 38-44. (Scopus Linked). **SCM**
22. Tesfaye, TF and RRK Sharma, “Relating Adaptability, Alignment, Flexibility and E-integration of Supply Chain to Environmental Uncertainty, Market Competition and Firm Performance”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 45-52. (Scopus Linked). **SCM**
23. Teklehaimanot, TK and RRK Sharma, “Relating Supply Chain Risks to Supply Chain Strategy”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 70-78. (Scopus Linked). **SCM**
24. Teklehaimanot, TK and RRK Sharma, “Influence of Culture on E-commerce”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 87-94. (Scopus Linked). **SCM**
25. Teklehaimanot, TK and RRK Sharma, “Factors Affecting Consumers’ Purchasing Decision through E-commerce”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 159-165. (Scopus Linked). **MKTG**
26. Vimal Kumar and RRK Sharma, “Relating Left/Right Brained Dominance Types of Leaders to TQM Focus: A Preliminary Study”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 814-823. (Scopus Linked). **Org Beha**
27. Niraj V and RRK Sharma, “Key RFID implementation factors affecting “sourcing” decision of RFID systems in supply chain of manufacturing industry”, Proceedings of the 2016 International Conference on the Industrial Engineering and Operations Management, Kuala Lumpur, March 8-10; 2016; pp. 1537-1547. (Scopus Linked). **Inf sys**
28. P. Verma, V. Kumar and R.R.K. Sharma, ‘Role of SMAC Stack on Competitive Advantage and Innovation with Supply Chain Performance’, 13th International Conference on Business Management 2016, p. 808-820. **SCM**
29. Gagan Kaur, RRK Sharma and Pratima Verma, ‘Aligning Culture Typologies to Innovative Employee Benefits: Using Cameron and Quinn’s Competing Value Framework’, 13th International Conference on Business Management 2016, p. 838-855. **HR & IR**
30. D. Singh and RRK Sharma, “Relating Supply Chain Integration with the Culture and Strategy of Its Constituent Members: a Theoretical Framework”, Proceedings of the Industrial Engineering and Engineering Management, held at BALI INDONESIA, during Dec 4-7; 2016; pp. 841-844; 978-1-5090-3665-3/16/$31.00 ©2016 IEEE. (scopus) (appeared in IEEE/IEEM Explore proceedings). (IF: 12.0); **SCM**
31. Pratima Verma, Vimal Kumar and RRK Sharma, “Role of SMAC Stack on Competitive Advantage and Innovation with Supply Chain Performance”, 13th International Conference on Business Management 2016, pp. 808-820. **SCM**
32. R. Anjaneya Sharma, Somen Dey, Manpreet Singh, RRK Sharma and SP Singh, “Relating Strategy of the Organizations to its Pursued Manufacturing Flexibility Strategy”; Proceedings of the 2017 International Conference on the Industrial Engineering and Operations Management, Rabat, Morocco, April, 11-13; 2017; pp. 46-53. (Scopus Linked). **strtgy**
33. Somen Dey and RRK Sharma, “Relating flexibility of information systems to different planning process styles, information systems architecture and strategy of the organization”, Proceedings of the 2017 International Conference on the Industrial Engineering and Operations Management, Rabat, Morocco, April, 11-13; 2017.; pp. 759-768. (Scopus Linked). **Inf sys**
34. Vignaesh M, RRK Sharma, Dhan Singh and KK Lai, “Formulating and Implementing Supply Chain Strategy: Extension of Organization Strategy Framework”, Proceedings of the 2017 International Conference on the Industrial Engineering and Operations Management, Rabat, Morocco, April, 11-13; 2017; pp. 17-23. (Scopus Linked). **SCM**
35. Niraj, KV, RRK Sharma and Krittika, ‘Next Generation Businesses to Embrace Big Data Analytics,’ 2017 International Conference on Next Generation Computing and Information Systems (ICNGCIS). 978-0-7695-6361-9/17 $31.00 © 2017 IEEE, DOI 10.1109/ICNGCIS.2017.19. (appeared in IEEE/IEEM proceedings); pp. 64-68. (scopus) (IF: 12.0); **inf sys**
36. RRK Sharma and Somen Dey,”Exploring the Synergistic Nature of Combinations of Various Functional Flexibility of Manufacturing Organizations”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 834-845. (Scopus Linked). **Oper mgt**
37. RRK Sharma and Somen Dey, “Additive and Digital Manufacturing: Implications for Organizational Strategy and Structure”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 826-833. (Scopus Linked). **Oper mgt**
38. A. Rahman, Vinayak Drave and Sharma, RRK, “Identifying factors that facilitates functioning of Virtual Teams in Supply Chain with Differing Strategy Orientation”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 768-777. (accepted in IEEM-explore; but not published due to funding issues). (Scopus Linked). (IF: 12.0); **SCM**
39. RRK Sharma and Vinayak, Drave, “Reducing The Capacitated Lot Sizing Problem (CLSP) With Set Up, Production, Shortage And Inventory Cost To CLSP With Set Up Production and Inventory Cost”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; 80-83. (Scopus Linked). **Oper mgt**
40. RRK Sharma, Priyank Sinha., “A New Formulation of Multi item Lot Sizing Problem with Set up, Inventory and Shortage Costs”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; 206-210. (Scopus Linked). **Oper mgt**
41. RRK Sharma and Vinayak Drave, “Market Mavens in the E-World’; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 748-756. (Scopus Linked). **MKTG**
42. Anjali Sharma and RRK Sharma, “Consumer Switching Behavior in E-Services: Organizational and Technological antecedents through relational paradigm”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 1052-1061. (Scopus Linked). **MKTG**
43. Anjali Sharma and RRK Sharma; “Culture and Consumer Brand switching: Moderating role of Consumer Involvement and Service Value”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018; pp. 683-680. (Scopus Linked). **MKTG**
44. Pratima V, Vimal Kumar and Sharma, RRK; “Business Strategy with Explorative and Exploitation: Role of Analytics and SMAC Technology”; 8th International Conference in Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018. Pp. 857-868. (Scopus Linked). **Tech strtgy**
45. Somen Dey and RRK Sharma, “Strategic Alignment of Information Systems Flexibility with Organization’s Operational and Manufacturing Philosophy: Developing a Theoretical Framework”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. P. 381-391. (Scopus Linked). **Inf sys**
46. [Dhananjay Singh and R.R.K Sharma, ‘Personality of leaders of mass customization firms](http://www.ieomsociety.org/paris2018/papers/128.pdf)’, Proceedings of the International Conference on Industrial Engineering and Operations Management Paris, France, July 26-27, 2018; pp. 3196-3200. (Scopus Linked). **Org beha**
47. Vinayak Drave and RRK Sharma, “Relating Flexibility, Scalability and Security Issues In Internet of Things (IoT) To Strategy of the Firm”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. P. 3022-3023. (Scopus Linked). **Inf sys**
48. Vinayak Drave and RRK Sharma; ‘Technology Management for Different Types of Retail Formats: A Prospectus of IoT’; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. P. 990. (Scopus Linked). **MKTG**
49. Vinayak Drave and RRK Sharma, “Internet of Things for Different Types of Retail Formats”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018; p. 1564-1568. (Scopus Linked). **MKTG**
50. RRK Sharma and Ajay Jha, “A New formulation of Capacitated Plant Location Problem”; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018; 2326-2329. (Scopus Linked). **Oper res**
51. RRK Sharma, “Relating strategy types to analytics used’; 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. P. 231. (Scopus Linked). **strtgy**
52. RRK Sharma, “RELATING INNOVATION STRATEGY TYPES TO CULTURE”, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. 266-267. (Scopus Linked). **strtgy**
53. Anjali Sharma and RRK Sharma, “Effect of personality on Consumer Switching: Moderating role of Involvement and Value of Product”, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018; p. 2731-2740. (Scopus Linked). **MKTG**
54. RRK Sharma and Kamini Singh, ‘SMART GRID: A MANAGERIAL PERSPECTIVE’, 2th International Conference in Industrial Engineering and Operations Management, Paris, July 6-8, 2018. P. 972-974. (Scopus Linked). **Oper mgt**
55. RRK Sharma and Vinayak Drave, “Integrating Different Views of Personality Dimensions”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **Org Beha**
56. RRK Sharma and Somen Dey, “TECHNOLOGY TRANSFER (TT): FOR MODULAR AND ARCHITECTURAL INNOVATION”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **tech strtgy**
57. RRK Sharma Somen Dey and Vinayak Drave, “Relating Supply Chain Attributes to its Strategy”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **SCM**
58. RRK Sharma, A Rahman and Vinayak Drave, “Relating Dimensions of Virtual Teams to Dimensions of BiG Five Factor of Personality”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **org beha**
59. RRK Sharma, Vinayak Drave and A. Rahman, “ENTERPRISE SOCIAL MEDIA (ESM): AN INTEGRATED VIEW”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **inf sys**
60. RRK Sharma and Priyank Sinha, “Personality of Investors and Traders”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **org beha**
61. RRK Sharma, NK Tripathi, “Relating Analytics to Strategy, Culture and Personalities involved in Decision Making”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **org beha**
62. RRK Sharma and Somen Dey, “Managing Tacit and Explicit Knowledge”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **tech strtgy**
63. RRK Sharma, “AN ATTEMPT TO RESOLVE ENTITY AND INCREMENTAL THEORY OF CONSUMER BEHAVIOR”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **MKTG**
64. RRK Sharma, “A New Formulation for Machine Loading Problem In FMS (Flexible Manufacturing System)”, International Conference on Management and Information Systems organized in Bangkok during September 21-22, 2018. <http://www.icmis.net/icmis18/ICMIS18CD/proceedings.htm>; **oper mgt**
65. Sheela R Sharma, RRK Sharma and Ajay Jha; Comparing Products and (Medical) Services On Few Organizational Variables: A Theoretical Framework; IEOM 019 Bangkok, Mar 5-7, 2019; pp. 2263-2264; ISBN: 978-1-5323-5948-4. (Scopus Linked). **Org beha**
66. Sheela R Sharma, RRK Sharma and Ajay Jha; Management Control Systems (MCS) in Hospitals; IEOM 2019 Bangkok, Mar 5-7, 2019; 2265-2266; (Scopus Linked). **Org beha**
67. Sheela R Sharma, Ajay Jha and RRK Sharma**;** ERP FOR SERVICE SECTOR AND MEDICAL SERVICE; IEOM 2019 Bangkok, Mar 5-7, 2019; pp. 2267-2268; ISBN: 978-1-5323-5948-4. (Scopus Linked). **Inf sys**
68. Sheela R Sharma, Ajay Jha and RRK Sharma**;** MULTI AGENT SYSTEM FOR HOSPITALS; IEOM 2019 Bangkok, Mar 5-7, 2019; pp. 2269-2270; ISBN: 978-1-5323-5948-4. (Scopus Linked). **Inf sys**
69. RRK Sharma, Ajay Jha and Urvashi Sharma, “Adding valid inequalities to SPLP”, 2019 IEOM conference, Bangkok; pp. 1697-1700; ISBN: 978-1-5323-5948-4. (Scopus Linked). **Oper res**
70. Anjali Sharma and RRK Sharma, ‘Influence of Organizational Culture on Brand Switching: A Study in B-2-B Services’, IEOM conference, Washington, sept 27-29, 2018, pp. 1899-1909.(Scopus Linked). **MKTG**
71. RRK Sharma, Ajay Jha and Himanshu R, “Adding valid inequalities to CPLP”, 2019 IEOM conference, Bangkok; pp. 1675-1679; ISBN: 978-1-5323-5948-4. (Scopus Linked). **Oper res**
72. RRK Sharma, ‘A new approach to aggregate planning’, Industrial Engineering 2019; to be held at Dubai, Sept 11-12, 2019; <https://www.researchgate.net/publication/363612784_A_New_Approach_To_Aggregate_Planning_Problem>; **oper mgt**
73. RRK Sharma, ‘A new approach to aggregate planning by using LP’, Industrial Engineering 2019; to be held at Dubai, Sept 11-12, 2019; [https://www.researchgate.net/publication/363612881\_New\_Approach\_To\_Aggregate\_Planning\_Problem\_With\_The\_Use\_Of\_LP\_New\_Approach\_To\_Aggregate\_Planning\_Problem\_With\_The\_Use\_Of\_LP](https://www.researchgate.net/publication/363612781_New_Approach_To_Aggregate_Planning_Problem_With_The_Use_Of_LP_New_Approach_To_Aggregate_Planning_Problem_With_The_Use_Of_LP); **oper mgt**
74. RRK Sharma Sheela R Sharma and KK Tiwari, “Institution Building In Academia”, Proceeding of International Conference Information And Educational Innovations (ICIEI-19); WRF Conference, Las Vegas (accepted, to appear). [https://www.researchgate.net/publication/363612890\_Institution\_Building\_In\_Academia](https://www.researchgate.net/publication/363612790_Institution_Building_In_Academia); **org beha**
75. Vinayak A. Drave, RRK Sharma, Priyanka C. Bhatt and Sharif, ‘Technology Adoption for Different E-tailer Formats: A Conceptual Framework’, IEOM Pilsen 2019, p. 513-514. (Scopus Linked). **Tech strtgy**
76. Piya Ghosh and RRK Sharma, ‘The Re-Formulation For Single Item Capacitated Lot Sizing Problem With Shortage, Inventory And With Strict Carbon Cap’, IEOM Pilsen 2019, p. 334-342. (Scopus Linked). **Oper mgt**
77. Anjali Sharma and R.R.K. Sharma, Influence of Marketing Mavens on Consumer Switching: Role of Personality; Proceedings of 18th International Marketing Trends Conference, Venice, Italy, 2019, ed. Jean-Claude Andreani and Umberto Collesei, Paris-Venice Marketing Trends Association, ESCP Europe. **MKTG**
78. Teklehaimanot T Kidane and RRK Sharma, “Role of Trust in Establishing and Maintaining a Relationship among Supply Chain Partners: Risk mitigation perspective”, 3rd National Scientific Conference on Emerging Technologies (ET-2019) July 4-5, 2019, Defence University, College of Engineering, Bishoftu, Ethiopia; pp. 1-8.
79. RRK Sharma, ‘Designing Interventions for Attitude Change: Role of MBTI Personality Type’; ICMESS Conference at Denver USA; May 17-18, 2020, <https://www.researchgate.net/publication/364110970_Designing_Interventions_for_Attitude_Change_Role_of_MBTI_Personality_Type>; **org beha**
80. RRK Sharma, ‘Challenges In Teaching Industrial Engineering Courses In Online Mode During Covid Times’, 1 st GEE conference Atlanta USA Nov 15-16, 2020; Proceedings of the First IEOM Global Engineering Education Conference Atlanta, Georgia, USA, November 15-16, 2020; <http://ieomsociety.org/papers/gee-5.pdf>; **org beha**
81. D Singh and RRK Shamra, ‘A Study on the Personality types of leaders of mass customization firms: Evidence from Certain Sectors’, Proceedings of the National Conference on Management & information Technology, Gujrat University, Ahmedabad, Gujrat, February 8, 2020. Paper Id: HR 37. **Org beha**
82. RRK Sharma, Md Amir, Priyank Sinha and Ajay Jha, ‘Two Formulations of Multi Item Lot Sizing Problem With Set up, Inventory, Production and Backorder Costs: Results of an Empirical Investigation’, IEEE Conference on Industrial Engineering Applications, Kyoto, Japan 2021; 978-1-6654-2895-8/21/$31.00 ©2021 IEEE; p. 285-289. (scopus) (IF: 12.0); **oper mgt**
83. RRK Sharma, Piya Ghosh and KK Lai, ‘Multi Period, Single Commodity and Single Stage Warehouse Location Problem with Location, Distribution Inventory and Shortage Costs’, IEEE International Conference on Industrial Engineering Applications, Kyoto Japan 2021, 978-1-6654-2895-8/21/$31 © 2021 IEEE; p. 522-425. (scopus) (IF: 12.0); **oper res**
84. Rajesh Matai, RRK Sharma, Vinay Singh, Surya Prakash Singh and Trinika, ‘A New Discrete Bi-Objective formulation of Unequal Area Facility Layout Problem’, IEEM 2021 Dec 13-16, Singapore Conference; 978-1-6654-3771-4/21/$31.00 ©2021 IEEE; <https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=9673028>; (scopus) (IF: 12.0); **oper mgt**
85. RRK Sharma, Jai Kumar Drave, Vinayak Drave and A Rahman, ‘A NEW APPROACH TO TWO STAGE CAPACITATED WAREHOUSE LOCATION PROBLEM (TSCWLP)’, International Conference on Industrial and Management Engineering, Bangalore, August 13-15, 2021; p. 1-9. (Scopus Linked). **Oper res**
86. RRK Sharma and Anjali Sharma, ‘Values and personality types of market mavens and opinion leaders in the e-world’, IEOM 2021 Conference, Bangalore 2021, p. 10. (Scopus Linked). **MKTG** (Abstract)
87. RRK Sharma, Vinayak A Drave and KK Lai, ‘ARCHITECTURAL AND MODULAR INNOVATION: AN EXTENDED RESEARCH FRAMEWORK’, IEOM 2021 Conference, Bangalore 2021, p. 12-26. (Scopus Linked). **Tech strtgy**
88. RRK Sharma and Sonal Gupta, ‘HRM Analytics: With and Without (Enterprise) Social Media: Few Theoretical Propositions’, IEOM 2021 Conference, Bangalore 2021, p. 11. (Scopus Linked). **HR & IR** (Abstract).
89. RRK Sharma and Nikhil Danwani, ‘Wisdom Manufacturing in the Context of Holonic (HM), Bionic (BM) and Fractal Manufacturing (FM)’, IEOM 2021 Bangalore Conference, p. 27-28. (Scopus Linked). **Oper mgt** (abstract).
90. RRK Sharma, Shivangi Rai, Vinayak Drave and KK Lai, ‘Relating OD interventions to strategy of the firm’, IEOM 2021 Bangalore Conference, p. 29-40. (Scopus Linked). **Org beha**
91. HK Saluja and RRK Sharma, ‘Advertisements using Symbols in International Marketing’, IEOM Bangalore, August 13-15, 2021; p. 41-44. (Scopus Linked). **MKTG**
92. RRK Sharma, Piya Ghosh and KK Lai, ‘Single Stage Single Commodity and Multi Period Warehouse Location Problem (SSCMPWLP) with Location, Distribution Inventory and Shortage Costs’, IEOM 2021 Bangalore Conference, p. 416-420. (Scopus Linked). **Oper res**
93. RRK Sharma, Vinayak Drave and KK Lai, ‘Relating Information Technology / Systems to Strategy: An Extended Framework’, IEOM 2021 Bangalore Conference, p. 421-433. (Scopus Linked). **Inf sys**
94. RRK Sharma, Priyank Sinha and KK Lai, ‘Obtaining Good Feasible Solutions to General Min-Cost-Flow Network Problem’, IEOM 2021 Bangalore Conference, p. 518. (Scopus Linked). **Oper res** (abstract)
95. RRK Sharma and Vinay Singh, ‘Simple and Capacitated Plant Location Problem: Forward and Reverse Logistics’, IEOM 21, Rome, August 2-5, 2021, p. 1327. (Scopus Linked). **Oper res** (abstract)
96. RRK Sharma, ‘3-Decades of Research Done By RRK Sharma On Location Theory: A Flavor’, International Conference on Management and Information Technology, Los Angeles, USA, Dec 17-18, 2021, Paper Id: AW-ICMITANGLES-181221-12302. **Oper res** <https://www.researchgate.net/publication/363616038_3-Decades_of_Research_Done_By_RRK_Sharma_On_Location_Theory_A_Flavor>;
97. RRK Sharma, Mayank Verma, Priyanka Verma and KK Lai, ‘A New Formulation of Multi Item Multi Period Capacitated Lot Sizing Problem With Setup Carryover, Inventory and Backorders (MIMPCLSPWSC)’, IEOM 2022 Conference, Orlando, p. 52-53. **Oper mgt** (abstract).
98. RRK Sharma and Vinay Singh, ‘Single Vehicle Routing Problem with Quadratic, Cubic Objective Function and Negative Cost Coefficients And Its Linearization’, IEOM 2022 Conference, Orlando, p. 77. **Oper res** (abstract).
99. RRK Sharma and KK Lai, ‘Refinements To LP/LDR Model of Aggregate Planning’, IEOM 2022 Orlando Conference, p. 51. **Oper mgt** (abstract).
100. RRK Sharma, Vinay Singh, Saurabh Sontakke and KK Lai, ‘A New Approach to Solving Lot Sizing Problem with shortage, inventory and setup cost’, IEOM 2022 Conference, Orlando, p. 67-76. **Oper mgt**
101. RRK Sharma, Niraj KV, Sonal Gupta and Ravi Gunjan, ‘HR Analytics for Employee Turnover’, IEOM 2022 Conference, Orlando, p. 54-66. **HR & IR**
102. RRK Sharma, Vinay Singh and KK Lai, ‘Taguchi Methods, Internet of Things (IoT) and Production Planning and Control In Additive Manufacturing (AM): A Brief Literature Review’, IEOM 2022 Conference, Rome, p. 38-39. **Oper mgt** (abstract).
103. RRK Sharma, Vinay Singh and KK Lai, ‘HOLONIC (HM), FRACTAL (FM) AND BIONIC MANUFACTURING (BM): A BRIEF LITERATURE REVIEW AND FEW PROPOSITIONS’, IEOM 2022 Conference, Rome, p. 40-45. **Oper mgt**
104. RRK Sharma, Vinay Singh, Pranuthi Koveri and KK Lai, ‘BEHAVIORAL FINANCE AND PORTFOLIO OPTIMISATION PROBLEM’, IEOM 2022 Conference, Rome, p. 60-66. **Fin Mod**
105. RRK Sharma, Vinay Singh and Anshul, ‘Locating Hospitals in a City’, IEOM 2022 Conference, Rome, p. 53-59. **Oper res**
106. RRK Sharma, Vinay Singh, Pranit and Uddayan, ‘Locating Fire Stations in a City’, IEOM 2022 Conference, Rome, p. 46-52. **Oper res**
107. Sonal Gupta and RRK Sharma, ‘Types of HR Analytics used for the prediction of Employee Turnover in different Strategic Firms with the use of Enterprise Social Media’, IEOM 2022 Conference, Rome, p. 1977-1994. **HR & IR**
108. Sonal Gupta and RRK Sharma, ‘Relating the Use of Different Type of HR Analytics in Different Strategic Firms with the Use of Social Media within the Organization’, International Conference on Industrial Engineering and Engineering Management, 07-10 Dec 2022, Singapore, in IEEE Explore: pp. 379-383. (IF: 12.0); **HR & IR** (scopus).
109. RRK Sharma, Ajay Jha and Priyank Dubey, ‘Proposing New Promising Constraint For Single-Commodity Single Stage Warehouse Location Problem’, IEOM 2023 Houston conference, 2023 https://ieomsociety.org/proceedings/2023houston/3.pdf?CFID=1a5e2994-e1d7-43ee-a39e-b78aa152b0b6&CFTOKEN=0 **OR**
110. RRK Sharma, ‘A New Formulation of QAP’, IEOM Houston 2023 conference. 2023 https://ieomsociety.org/proceedings/2023houston/2.pdf?CFID=1a5e2994-e1d7-43ee-a39e-b78aa152b0b6&CFTOKEN=0 **OR**
111. RRK Sharma, Ajay Jha and Abhay Raj Singh, ‘A New Approach for solving Simple Plant Location Problem (SPLP)’, IEOM 2023 Houston Conference, 2023 https://ieomsociety.org/proceedings/2023houston/6.pdf?CFID=1a5e2994-e1d7-43ee-a39e-b78aa152b0b6&CFTOKEN=0 **OR**
112. RRK Sharma, ‘Generating Good Solutions for Linear Program by Using Genetic Algorithm (GA)’, ICMIS Bangkok Conference 2023 **OR** <https://www.icmis.net/icmis23/ICMIS23CD/PDF/S151-Done.pdf>
113. RRK Sharma, Omprakash Gupta, Vinay Singh and KK Lai, ‘A New Lagrangian Relaxation Of The LP Relaxation Of The Capacitated Plant Location Problem (CPLP)’, ICMIS Bangkok Conference 2023 **OR** <https://www.icmis.net/icmis23/ICMIS23CD/PDF/S152-Done.pdf>
114. Sonal Gupta and RRK Sharma, “HRM Analytics: With and Without (Enterprise) Social Media: Few Theoretical Propositions”, IEEM conference 2023, (appeared in IEEE Explore); pp. 1037-1041; **HR & IR.** (scopus)
115. Shivangi Rai, RRK Sharma and J Ram Kumar, “Relating Learning-loops to Selected Organizational Variables”, IEEM conference 2023, (appeared in IEEE Explore); pp. 1062-1067; **OB.** (scopus)
116. Vinay Singh, RRK Sharma and KK Lai, “LP (Linear Program) and LDR (Linear Decision Rule) Model of Aggregate Production Planning (APP): Inclusion of Aggregate Shortage”, IEEM conference 2023, (appeared in IEEE Explore); pp. 1512-1516; **OM.** (scopus)

**Articles In Popular Press (Magazines, News Papers)**

Vinayak A Drave, RRK Sharma and Jyoti Kainth, ‘The Critical Link: Changing Interplay of strategy, supply chain and retail formats’, STOrai, V 9(3), Mar-Apr 2018, pp. 18-21.

Sheela R Sharma and RRK Sharma, ‘Suggestions for Tackling Corona Crisis’,Submission to PMO India on 20 Mar 2020.

RRK Sharma, Pushkar Awasthi and KK Lai, ‘Single Stage Plant-Warehouse Location Problem (SSPWLP)’, Posted at RESEARCH SQUARE on 23 June 2023; <https://doi.org/10.21203/rs.3.rs-3039168/v1>

**PAPERS UNDER REVIEW/PREPARATION/READY/SUBMITTED (41)**

Dey, S. and Sharma, R. R. K. The Influence of Environmental Uncertainty on Manufacturing Organization's Choice of Strategy Decision Making Processes. (under preparation). **Targeted for IEEM 2026**

Vinayak A. Drave, R.R.K. Sharma, K.K. Lai, Vimal Kumar, “Impact of Disablers of E-tailers While Achieving Superior Organizational Performance: A Dynamic Capability View”, (Under review)

Vinayak A Drave, R.R.K. Sharma, K.K.Lai, Shivam Gupta, “Analyzing the Industry readiness for E-tailers in India for adopting IoT", (Under review).

Surajit Saha and R.R.K. Sharma, “Relating Leaders’ personality type and success in an innovative organization", (under review). **Targeted for IEEM 2026**

RRK Sharma and D Singh, 1 data paper based on his PhD thesis (Theme 3). **Targeted for IEEM 2026**

RRK Sharma, Vinay Singh and KK Lai, ‘Reducing Capacitated Lot Sizing Problem (CLSP) With No Shortages Into a Pure 0-1 Integer Linear Program OR Into a Linear Program Only In Production Variables: Outline Of A New Heuristic Procedure’, **Targeted for IEEM 2026**.

RRK Sharma, Niraj KV and Shivam Sharma, ‘RELATING CYBER SECURITY BUDGET TO THE STRATEGY OF FIRM’, under preparation. **Targeted for IEEM 2026**

RRK Sharma, 2 M Tech theses graduating in 2024: **Targeted for IEEM 2026** (given to Ajay);

RRK Sharma and Sonal Gupta, 1 data paper.

RRK Sharma and Anjali Sharma, 3 data papers.

Priyank Sinha and RRK Sharma, ‘Lot Sizing Under Conditions Of Rework: Deterministic Case’, under preparation. **Targeted for IEEM 2025**.

Priyank Sinha, RRK Sharma and Sheela R Sharma, ‘Locating Ambulance Stations for Best Services to Accident Victims in a City’, under preparation. **Targeted for IEEM 2025**

Vinay Singh and RRK Sharma, ‘Capacitated Lot Sizing Problem With Set Up, Inventory and Backorders With A CAP on Capacity Utilization’, under preparation. **Targeted for IEEM 2025.** (Given to Vinay)

RRK Sharma, Priyank Sinha and KK Lai, ‘Getting a Good Feasible Solution To Min-Cost-Flow Problem’, under preparation.

RRK Sharma, Vinay Singh and KK Lai, ‘A Dual Ascent Procedure for the Strong Formulation Of Simple Plant Location Problem (SPLP)’, under preparation.

RRK Sharma, Knowledge Management and Technology Transfer: Few Theoretical Propositions, Under Preparation. **Targeted for IEEM 2025.** (Given to Somnath B);

Vimal Kumar, RRK Sharma and Niraj K Vishvakarma, Holonic, Bionic and Fractal Manufacturing: Few Theoretical Propositions, Under Preparation. **Targeted for IEEM 2025** (Given to Niraj & Vimal as first author)

Vinay Singh and RRK Sharma, Enterprise Resources Planning: Few Theoretical Propositions, Under Preparation. This paper will be prepared by collating following working papers: **Targeted for IEEM 2025.** (Given to Vinay)

RRK Sharma, Journey From Traditional To Smart Manufacturing: Industry 4.0 and 5.0, **ready for IEEM 2025.**

**V5: 69, 70, 72, 73, 74, 75, 77, 78, 90**

**V6: 5, 6, 7, 36, 38,**

RRK Sharma, Relating Organizational Variables to Culture and Personality: Few Theoretical Propositions, Under Preparation. This paper with 116 hypotheses will be prepared by collating following working papers:

**V 1: 3, 20, 36, 37, 38, 40, 41, 43, 44, 48, 62, 99, 113 and 129; (\* 15 papers \*)**

**V2: 2, 44, 43, 60, 64, 86, 99, 100, 105, 112, 128, 139, 141, 208, 218, 256, 257, 258, 260, 261, 264, 267, 274, 290 and 292. (\* 25 papers \*)**

**V3: 14. (\* 1 paper \*)**

**V 5: 23, 71 and 112. (\* 3 papers \*)**

**V6: 13 and 15. (\* 2 papers \*)**

RRK Sharma, Relating Organizational Variables to Strategy: Few Theoretical Propositions, Under Preparation. This paper will be prepared by collating following working papers:

**V2: 9, 34, 37, 48, 51, 71, 72, 78, 90, 102, 134, 138, 140, 157, 178, 183, 185, 188, 189, 196, 199, 201, 204, 210, 217, 219, 225, 228, 230, 233, 235, 238, 241, 254, 263, 269, 271, 291, 294, 295, 296;**

RRK Sharma, Leadership: Few Theoretical Propositions, Under Preparation. This paper will be prepared by collating following working papers:

**V2: 23, 25, 51, 191, 192, 287, 288;**

RRK Sharma, General Propositions in Organizational Theory, Under Preparation. This paper will be prepared by collating following working papers:

**V 1: 8, 11, 12, 13, 15, 54, 57, 77, 78, 93, 120, 132,**

Shivangi Rai and RRK Sharma, “Relating strategy, culture and personality to types of learning loops”, Data Paper Theme 1, under preparation. **Targeted for IEEM 2024.**

RRK Sharma, “Contributions by RRK Sharma to location theory”, under preparation.

**Papers Ready/Submitted (14) [included in 41]:**

RRK Sharma, Ajay Jha and SR Verma, ‘Forward and reverse supply chain in single stage plant location problem: A new formulation and empirical investigation’, paper ready and submitted to IJOR.

RRK Sharma, Omprakash Gupta, Vinay Singh and KK Lai, ‘Few Models On Multi-Floor Simple and Dynamic Plant Layout Problems’, submitted to OPSEARCH (without data).

RRK Sharma, Omprakash Gupta and KK Lai, ‘New Linearization Models on Multi-Floor Simple and Dynamic Plant Layout Problems’, submitted to OPSEARCH.

RRK Sharma, Omprakash Gupta, Vinay Singh and KK Lai, ‘Two New Models On Single Floor Plant Layout Problem’, submitted to CPIE - 2023 (7th Conference on Industrial and Production Engineering): No: 7545. Under Review for Inclusion in Proceedings;

RRK Sharma, Vimal Kr, D Singh and Niraj V., “Personality Traits of Leaders Of Firms Engaged in Mass Customization”, **Submitted To IEEM 2024 Conference.**

RRK Sharma, Vinay Singh and KK Lai, “Relating Taguchi Methods (TM) and Internet of Things (IoT) in Additive Manufacturing (AM) To Strategy of the Firm: Few Propositions”, **Submitted To IEEM 2024 Conference.**

RRK Sharma, Vinay Singh and KK Lai, “Two Formulations for Minimizing Weight-Distance Objective in Single Vehicle Routing Problem with Quadratic, Cubic Objective Function and its Linearization”, **Submitted To IEEM 2024 Conference.**

Priyank Sinha, R.R.K. Sharma, Satvik C Shukla and Amol Garg,“Two Formulations of Resilient Plant Location-Distribution Problem”, **Submitted To IEEM 2024 Conference.**

RRK Sharma Priyank Sinha and Vinay Singh ‘Relating Big Data Analytics (BDA) to Strategy Of The Firm: Few Propositions’, **Submitted To IEEM 2024 conference.**

RRK Sharma and Somnath Bhattacharya, “Relating institutional work to leader personality, agency and leadership types: A conceptual framework”, under preparation. **Submitted To IEEM 2024 conference.**

Shivangi Raiand RRK Sharma, ‘Relating Strategy of Organization To Newer Technologies Of Industry 5.0’, **Submitted To IEEM 2024 conference.**

RRK Sharma and Anjali Sharma, ‘Values and personality types of market mavens and opinion leaders in the e-world’, **Ready for ICMIS 2024 Conference.**

RRK Sharma, Syed Moize Ali and Vinay Singh, ‘A New Formulation of Multi Item Multi Period Capacitated Lot Sizing Problem With Setup Carryover, Inventory and Backorders (MIMPCLSPWSC)’, **Ready for ICMIS 2024 Conference.**

RRK Sharma and Vinay Singh, ‘Reducing Capacitated Lot Sizing Problem (CLSP) With No Shortages To a Pure 0-1 Integer Linear Program OR To a Linear Program Only In Production Variables: Outline Of A New Heuristic Procedure’, **Ready for IEOM 2024-25 Conference.**

**DURING 2019-2022, a total of 781 working papers were written. Out of these approximately 580 are yet to given finished form (either as a journal paper or as in international conference proceeding or book chapter in a referred book with an ISBN number). This I plan to do during rest of my life.**

**Few Highlights:**

**Professor RRK Sharma has generated 70+ theorems / conjectures / and interesting results in mathematical/theoretical papers. (KD Sharma 8; Murali 3; Priyanka 12; Pritee 27; PERT Network 8; and Mayank 12).**

Prof. RRK Sharma has following achievements (as of date of this document):

(1): papers in A journal quantitative area (EJOR: IF 6.8; cite score: 10+; total of 4 papers) and also has paper in A journal in qualitative area (IJPE: IF 11.0+; cite score: 14+; total of 1 paper)

(2): 26 papers (including quantitative and qualitative areas) in IEEE/IEEM conference proceeding; IF: 14.0+

(3): 13 papers in American J of Operations Research that has cite score of 8.42;

(4): 3 papers in Global Business and Management Research (cite score: 11.02).

(5): 1 paper in IJPR (IF: 6.56; cite score: 9.0+).

(6): 64 papers in IEOM Conference Proceedings (Appear In Scopus).

(7): **42 papers in journals of IABE USA (max acceptance rate here is 23%). Out of these 31 articles (in J of Academy of Business and Economics; Review of Business Research; International J of Strategic Management; European J of Management; International J of Business Research and International J of Business Strategy) were in OLD ABDC (C category) journal list (in 2013) available at:**

[**https://www.google.com/search?q=abdc+2013+quality+journal+list+pdf&oq=&aqs=chrome.0.35i39i362l8.1350j0j15&sourceid=chrome&ie=UTF-8**](https://www.google.com/search?q=abdc+2013+quality+journal+list+pdf&oq=&aqs=chrome.0.35i39i362l8.1350j0j15&sourceid=chrome&ie=UTF-8)

**Published Research Papers Area wise**

**In Book Chapters, In 5 Research Books**

**Journal Articles & LAP LAMBERT (4) &**

**Conf. Proceedings Vitasta (1)**

**Operations Research 51 0**

**Operations Management 54 27**

**Information Systems 31 43**

**HR & IR 9 8**

**Organization Behavior 33 34**

**Strategy 34 9**

**Technology Strategy 14 14**

**Marketing 19 3**

**Financial Modelling 3 1**

**Supply Chain Management 20 2**

**TOTAL 268 141**

Referred articles: **409 (268 (BC: 22; J: 129; CP: 117) +141 (articles in 5 peer reviewed books)).**

Not refereed book chapters: **781.**

Articles Under Review / Preparation: **41.**

**Total Output as on Date: 1231.**

**In all publications (barring 10 of them) listed above, Prof. RRK Sharma is either First or Second Author. Wherever Prof. RRK Sharma is second author, first author is his student whose work he has supervised (PDF, PHD, MTECH, MBA or UG).**

**Visits to Foreign Universities**

1. Visiting Professor, Mazandaran University of Science and Technology, Babol, IRAN. (Nov 2004 – Dec 2004).

2. Visiting Professor, National Yunlin University of Science and Technology, Taiwan. (May 2008 – June 2008; Dec 2008; May, 25 - June, 07, 2009).

3. Offered Visiting Professor (for 2 years), Universiti Utara Malaysia, 06010 UUM Sintok, Kedah Darul Aman, Malaysia; Could not go as leave was NOT granted.

**WORK DONE From 1 Jan 2017 To 31 Jan 2024: Referred 01 Book Chapters; 40 Journal Articles; 82 International/National Conference Proceedings and 134 articles in referred Research Monographs: TOTAL 257 (scopus: 78) & PLUS Total No of Not Referred (working papers) Papers: 781.**

**Publications as on 31 Dec 2016: 22 Book Chapters; 89 Journal papers; 34 International/National Conference Proceedings and 7 articles in referred Research Monographs: 152.**

**Publications as on 31 Jan 2024 (retirement date): 22 Book Chapters; 129 Journal Articles; 117 International/National Conference Proceedings and 141 articles in referred Research Monographs: 409 (scopus: 128; 31 in ABDC C Category as of 2013).**

**M.Tech. Theses Supervised**

1. Potty, V., “Simulation of Heuristic Procedures in the MRP Environment”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1990).
2. Paradkar, S.S., “Scheduling of Loaded and Empty Wagons for Goods Transportation by the Railways”, M.Tech. thesis of the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1991).
3. Yoganandan, Y., “Coordinated Scheduling in Material Requirement Planning Systems”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1992).
4. Majumdar, S., “Mean-Variance based approach to portfolio revision”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1993).
5. Sreekanth, S., “Dynamic nature of alignment between manufacturing strategy and corporate strategy: A conceptual framework”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1993).
6. Saxena, D., “Organization structure rigidity and its effect on Managerial cognition: An integrated view”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1994).
7. Sinha, S., “Heuristics for improved coordination in MRP systems”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1994).
8. Ghosh, A., “Processes of Corporate and Manufacturing Strategy Making: Mutual influence and Effect on Performance”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1996).
9. Tripathy, P.R., “Role of Culture in Superior Performance”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1996).
10. Upadhyaya, S., “Relating Manufacturing Policy making process to its contents”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1997).
11. Purwar, P., “Matching managerial information processing modes and strategy making processes used by them”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1997).
12. Arora, R., “Lot sizing rules in pure assembly systems”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1997).
13. Gupta, S., Heuristics for improved performance in MRP systems with capacity imbalance”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1997).
14. Rao, M.V., “Genetic Algorithm for multilevel lot sizing problem with shortage cost”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (completed 1998).
15. Sharma, K.D., “An O(n2) heuristic for the simple transportation problems”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1998).
16. Saxena, Amit , “A new heuristic procedure for the Trans-shipment problem” , M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1999).
17. Reddy, V.R.K., “A dynamic model of Manufacturing strategy”, M.Tech. thesis at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (Completed 1999).
18. Saumya Prasad, “Developing a good heuristic for simple transportation problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur (completed 2000).
19. Muralidhar, A., “A New Approach for the Simple Transportation Problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2000).
20. Wadhwani, V., “Comparing relative performance of lot sizing and scheduling based multiass heuristics in MRP systems”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2000).
21. Behera, A., “Verifying theory of dynamic model of manufacturing strategy : More evidence”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2000).
22. Baitha, N., “Relating environment, personality and strategy making process for small firms”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2000).
23. Agarwal, S., “Comparative performance of different multipass heuristics in the context of MRP systems”, ”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2001).
24. Shrotriya, S., “Relating objectives and processes to manufacturing decisions : A study of German and Indian manufacturing firms”, ”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2001).
25. Binay, K., “Developing new relaxations of capacitated plant location problem : An empirical investigation of their effectiveness”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2001).
26. Bhagat, B.N., “Towards a comprehensive framework of various flexibility measures : A case study of medium sized steel plant”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2001).
27. Berry, Vishal, “Developing different formulations of SSCWLP (single stage capacitated warehouse location problem) and empirically establishing relative strengths of many of its relaxations”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2003).
28. Gupta, Ravindra, “A few findings related to simple plant location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2003).
29. Mishra, Sunil Kumar, “Empirically verifying efficacy of good solutions given by heuristic due to Sharma and Prasad [EJOR, 2003] for the simple transportation problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2003).
30. Modi, P., “New formulations and relaxations of the single stage uncapacitated warehouse location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2004).
31. Kumar, Akhilesh, “A new heuristic procedure for strong relaxation of the capacitated plant location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2004).
32. Jain, A., “New formulations and relaxations of the single stage capacitated warehouse location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2004).
33. Chaudhary, R., “ERP implementation and its influence on a few parameters of organization structure and manager’s job : An exploratory study”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2005).
34. Namdeo, S., “Developing new strong constraints for the two stage warehouse location problem – With and without restrictions on the arc flow”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2005).
35. Pankaj K., “A new GA based procedure for the portfolio selection problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2006).
36. Joshi, A.B., “New heuristics for solving multiperiod assignment problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2007).
37. Inamdar, B.R., “Forecasting for nanotechnology : A new approach based on recent research and developments”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2007).
38. Chirag Jain, “A few dispatching policies for a two echelon distribution system”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2007).
39. Amit K Gupta, “Modelling Operations of Fire Stations in a Few Districts of Uttar Pradesh, INDIA”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2009).
40. Sonal Dubey, “Solving single stage un capacitated warehouse location problem by a combination of OR based heuristics and genetic algorithm: An empirical investigation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2010).
41. G Chandra Mouli, “Empirical investigation of strong, weak and hybrid formulations of the single stage capacitated warehouse location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2010).
42. Sushil Pandey, “Lagrangian relaxation based approach for the single stage capacitated warehouse location problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2011).
43. Suraj M Patil, “Best practices in design of ERP packages: Identifying contexts of success and failure”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2011).
44. Arvind Shukla, “Comparative performance of LIFO/FIFO and CRR scheduling rule in the context of Indian Railways: Results of a ‘C’ Simulation Program”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012).
45. Vimal Kumar, “Equal distribution of shortages in supply chain of food corporation of India: Using Lagrangian Relaxation Methodology”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012).
46. Agnivesh, “Relaxing Strong Constraints in a Combined Formulation of Simple Plant Location Problem: Applying Lagrangian Relaxation Methodology”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012).
47. Ananya Dubey, “Lagrangian Relaxation Methodology for Twin Objective Facility Layout Problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012).
48. Sandeep Mokashi, “Solving Portfolio Selection Problem for each of the Twin Objectives: Max. Mean and Min. variance”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012).
49. Sandeep Singh Rajput, “Developing Proprietary or Open Source Technology: Learnings From Five Case Studies”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2013).
50. Adwait Parulekar, “Lagrangian Procedure with Relaxation of the Flow Balance Constraints for the Single Stage Un-capacitated Warehouse Location Problem: Few Theoretical and Empirical Results”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2013).
51. Tanmay Kulshrestha, “Role of values and strategy in TQM Implementation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2014).
52. Parag Tyagi, “Developing strong and hybrid formulations for the single stage, single period multi commodity warehouse location problem: Theoretical framework and empirical investigation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2015).
53. Atanu Mondal, “Key Differences in MAS Implementation (Multi Agent Systems) in Defender and Prospector Type of Organizations”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2016).
54. Ankita Malviya, “Applying Modified Benders Decomposition to SSCWLP (Single Stage Capacitated Warehouse Location Problem) For the Multi Commodity and Multi Period Case: Investigating Role of Strong and Weak Formulations with Feasibility Constraints and An Additional Cut”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2016).
55. Nilanjan Das Khan, “[A new formulation for single item capacitated lot sizing problem with shortage and inventory](http://172.28.64.70:8080/jspui/handle/123456789/16755)”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2017).
56. Parvathy, T., “Preparing good solution [for single item capacitated lot sizing problem with shortage and inventory](http://172.28.64.70:8080/jspui/handle/123456789/16755)”; Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2018).
57. Mananjay K Verma, “New formulations for multi item capacitated lot sizing problem”; Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2018).
58. Himanshu, R, “Adding valid inequalities to CPLP”; Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2019).
59. Urvashi, Sharma,” Adding valid inequalities to SPLP”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2019).
60. Priyank Dubey, ‘Efficacy of Feasibility Constraints in the Context of SSCWLP (Single Stage Capacitated Warehouse Location Problem)’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2020).
61. Mohd. Amir, ‘Efficacy of New Formulation of Multi-Item, Multi-Period Lot Sizing Problem with Setup, Production, Backorder and Inventory Costs’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2020).
62. Ravi Gunjan, ‘HR Analytics for Employee Turnover’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2021).
63. Shivam Sharma, ‘RELATING CYBER SECURITY BUDGET TO THE STRATEGY OF FIRM’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2021).
64. SR Verma, ‘Forward and reverse supply chain in single stage plant location problem: A several new formulations and empirical investigation for their efficacies’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2022).
65. Abhay Raj Singh, ‘One strong and two weak formulations of SPLP and resulting several formulations and their empirical investigation for establishing their efficacies’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2022).
66. Shivam Saini, ‘A new formulation of multi-floor simple plant layout problem’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed May 2023).
67. Pushkar Awasthi, ‘Latest model of single stage plant-warehouse location problem’, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed May 2023).
68. Rohit Pidurkar, ‘comparing efficacy of new model of QAP (Quadratic Assignment Problem) with known linearizations of QAP’, Department of Management Studies, Indian Institute of Technology, Kanpur 208016 (work in progress).
69. Himanshu Gaur, ‘A New Approach to PSP (Portfolio Selection Problem)’, Department of Management Studies, Indian Institute of Technology, Kanpur 208016 (work in progress).

**Quantitative M Tech Theses: 47**

**Qualitative M Tech Theses: 22**

## Ph. D. Theses Supervised

1. Singh, S.P., “Solving the Static and Dynamic Plant Layout Problems: Developing a few GA and SA based heuristics”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2007). (10 paper: 4 papers with mark of quality). (Now at DoMS IIT Delhi).
2. Verma, Priyanka, “New Relaxations of the Multistage Warehouse Location Problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2010). (8 papers: 4 papers with mark of quality). (Now at NITIE Mumbai)
3. Chatterjee, Devjani, “Strategy, Structure and Management Control Systems for Prospectors, Defenders and Innovators”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2011). (4 papers + 1 book: 1 paper with mark of quality). (Now at IIM Kashipur).
4. Pandey, Shardindu, “OD interventions for Defenders, Prospectors and Innovators”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2010). (9 papers: 3 papers with mark of quality). (Now at IIFM Bhopal).
5. Nair, Uma, “Relating organizational strategy and MIS implementation (types and processes) structure, culture and culture clash”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed MAR 2014). (4 papers: 3 papers with mark of quality). (Chitrakoot Institute of Management, Patna).
6. Verma, Mayank, “Capacitated lot sizing with back orders in multilevel situations”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012). (11 papers: 5 papers with mark of quality). (Now at BAARC Mumbai).
7. Vinay Singh, “Relating strategy, structure and systems (including MIS) in a BSC approach & relating strategy and critical success factors for MIS & relating environmental uncertainty and its influence on political games and MIS implementation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2012). (6 papers +1 under review: 7 papers with mark of quality). (Now at IIITM Gwalior).
8. Amit Kumar Gupta, “Solving two versions of JRP and the inventory optimization problem of Food Corporation of INDIA”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2014). (2 papers: (includes 1 in IEEM-explore): 2 papers with mark of quality). (Now at MDI Gurgaon / IIM Patna).

1. Pritee Agarwal, “Solving SSCWLP by Benders Decomposition and Branch and Bound Methods; and solving MID CPLP by Different Lagrangian Relaxation Procedures”, Department of Mathematics and Statistics, Indian Institute of Technology, Kanpur 208016 (Completed Nov; 2014). (5 papers: 2 papers with mark of quality). (Not Known)
2. Saba Iqbal, “Exploring relationship between environment, retail strategies and retail decisions”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (Completed Feb; 2015). (2 papers with mark of quality). (Not Known)
3. Niraj Vishwakarma, “Relating a few organizational variables to IoT architectures; RFID and BPR implementation: A theoretical framework and its empirical validation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed; 3 OCT 2016). (10 papers + 1 under review: 9 papers with mark of quality). (Now at IIIT Lucknow).
4. Deepa Mishra, “Relating Bridging and Buffering in Supply Chains and Culture and Strategy to Outsourcing in Supply Chains”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed; 3 OCT 2016). (6 papers + 1 working paper: 3 papers with mark of quality). (Business School in France).
5. Ajay Jha, “Open and Proprietary standards, Performance Metrics and Flexibility and Postponement in Supply chain management”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed; 12 Mar 2019). (12 papers: 11 papers with mark of quality). (Jaipuria Institute of Management Lucknow).
6. Vimal Kumar, “Role of Leadership; Culture and values in TQM Implementation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed; 25 MAY 2017). (18 papers + 1 paper: 12 papers with mark of quality). (Chaoyang University of Science and Technology, Taiwan).
7. Pratima Verma, “Role of Leadership; Culture in Horizontal Strategy”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed NOV 2017). (11 papers + 2 working papers: 6 papers with mark of quality). (IIM Kozikode)
8. Surajit Saha, “Matching Personality and Projects; And Important Differences in Architectural and Modular Innovation”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 12 APR 2018). (4 papers + 2 under review + 1 working paper: 2 papers with mark of quality). (IBS Hyderabad).
9. Ali, “Some variants of Wagner-Whitin Lot Sizing Problems”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (work in progress). (2 journal + 1 book chapter + 1 working paper).
10. Tekle Hai Manot, “e-business in Supply chains”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed, Dec 2018). (5 papers + 3 working papers: 3 papers with mark of quality). Faculty at Ethiopia).
11. Tesfaye, T., “e-integration in supply chains”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 2018 Oct). (6 papers: 4 papers with mark of quality). (Faculty at Ethiopia).
12. Vinayak Drave, “Effect of e-commerce on On Line Retail; Logistics and Enablers for different types of On-Line retail format”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 05 Jun 2020; 13 papers + 2 under review + 1 working paper: 11 papers with mark of quality). (OP Jindal Business School Delhi).
13. Dhan Singh, “Formulating and Evaluating SC strategy; SC for mass customized SC”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed Aug 2022). (3 papers: 2 papers with mark of quality). (IRS Officer Gujrat).
14. Priyank Sinha, “Getting good primal and dual solutions to min-cost-flow problem”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 28 Aug 2019). (6 papers + 2 working paper: 3 papers with mark of quality). (IIT Guwahati).

1. Somen Dey, “Flexibility Issues in Manufacturing and Supply Chains”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed: 29 Apr 2019). (9 papers + 2 under review + 4 working papers: 6 papers with mark of quality). (MNNIT Allahabad).
2. Piya Ghosh, “Facility Location-Distribution Problems with the consideration of Carbon Footprint”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (work in progress). (3 book chapters + 4 articles (J + BC): 3 papers with mark of quality).
3. Sonal Gupta, “HR Analytics: Role of Strategy”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (completed 15 Dec 2023). (4 book chapters + 1 working paper: 3 papers with mark of quality). (Completed Dec 2023).
4. Anjali Sharma, “Consumer Brand Switching”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (Completed, June 2022). (5 papers + 2 working papers: 5 papers with mark of quality).
5. Gagan D Kaur, “Role of national culture, organizational culture and strategy and personality in expected compensation: Empirical investigation of software companies in India”, IME IIT Kanpur 208016: Full time PhD student of Lucknow University (work in progress). (1 paper + 4 working papers).
6. Shivangi Rai, “Relatig OD Interventions to strategy of the firms”, Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur 208016 (work in progress: SoTA Given). (1 paper with mark of quality).

PhD students awarded degree by IIT Kanpur: 23; submitted 1; work in progress: 3 at IIT Kanpur and 1 at Luckhnow Univeristy

**Quantitative PhD Theses: 8**

**Qualitative PhD Theses: 20**

**GUIDED SPECIAL STUDIES PROJECTS FOR MBA II nd YEAR STUDENTS OF IME, IIT KANPUR 208016, INDIA: 129 (till date)**

**Sponsored Projects**

“Food Distribution in the Indian Context”, Project funded by the Department of Science and Technology, Ministry of Science and Technology, Govt of India, under the “Young Scientist” scheme, Amount Rs. 43,000. Principal Investigator: Dr. R.R.K. Sharma, Nov, 1991 to Nov, 1993. (Co-Investigator – None)

“Developing Optimal Network of Freight Terminals and Designing Physical Layout of Terminals for Indian Railways”, Project funded by 3-I network of INDIA, Amount Rs. 4,00,000. Principle Investigator : Dr. RRK Sharma, (Co-Investigator – Dr. BR Marwah, Dr. PK Kalra and Dr. SG Dhande), March 2001 – Feb 2002.

“Improving Operations of UP Fire Service”, A Project Funded by Shri Rajneesh Chopra (Lucknow) in loving memory of his father Late Shri SL Chopra; Principle Investigator: Prof. RRK Sharma Dept. of IME, IIT, Kanpur; Completed 2009. (Rs. 15,000).

##### Software Packages Developed

(a): Ad-Selection for T.V. Commercials

Given a budget for a particular advertising campaign, this package produces a plan that maximizes total number of exposures to the target population. The package is being used at the Mudra Communication Pvt. Ltd., Ahmedabad (1987).

Programming language used : Pascal.  
 Code Length : 10,000 lines

(b): Project Management

Given activities and its immediate preceding activities, this package constructs a network using arrow on node notation. (1986).  
  
Programming language used : Pascal.  
 Code Length : 2,500 lines

(c): Distribution Management

Given various cost parameters of a distribution system, this package produces a plan that minimizes the total transportation and warehousing costs. (1988).  
  
This distribution package was developed on VAX-750 at IIM, Ahmedabad.  
  
Programming language used: Pascal.  
 Code Length : 20,000 lines

(d): Distribution Management

Given various cost parameters of a single stage warehouse location problem (for the uncapacitated case) it uses lagrangian relaxation based specialized technique for embedded in the branch and bound procedure for producing the optimal location-allocation plan. (1992).  
  
Programming language used: Pascal.  
 Code Length : 8,500 lines.

(e): MRP Simulation Package

This program reads the essential inputs of a material requirement planning system and allows the user to design his own lot sizing and sequencing heuristics. It carries out simulation for a specified period of time and prints out vital statistics such as theoretical inventory carrying cost, actual inventory carrying cost, set up cost, machine utilization, aggregate lateness, and units lateness. The program is self documented through the use of superior data structures and most appropriate variable names. (1993).  
  
Programming language used : Pascal.  
 Code Length : 3,000 lines.

### (f): Goods Traffic Simulation Package for Indian Railways

#### This program takes into account various parameters of Indian railway system such as number of stations, connectivity between stations, number of paths available for goods trains between any pair of stations, number and type of goods trains available, yard capacity at a station, given traffic movement profile; and computes the congestion levels, delays in the system and the empty haulage costs of the goods rakes. (2002).

Programming Language Used : C

Code Length : 3500 lines

### (g): A GA Based Procedure for Portfolio Selection Problem (2007)

Programming Language Used : C

Code Length : 1000 lines

### (h): New GA Based Procedure for the Facilities Layout Problem (2010)

Programming Language Used : C

Code Length : 4000 lines

(i): Several codes for plant/warehouse location-allocation problem using Bender’s decomposition (2012)

Software Jointly Developed with Dr. Vinay Singh & Dr. Pritee Agarwal (my PhD students).

Programming Language Used: GAMS.

(j): Software for Bender’s Decomposition in a Hybrid Formulation of the Problem SSCWLP

Programming Language Used: GAMS.

(k): Software for Dual Based Ascent Procedure (Due to Erlenkotter) for problem SPLP under strong formulation.

Programming Language used is PASCAL.

**References**

1. Prof. Omprakash K Gupta, Praire View, A&M University, USA; AIMS International, 12346, FM 1960 W. Pmb # 140, Houston, TX 77065 USA; e-mail: [info@aims-international.org](mailto:info@aims-international.org). +1 713 471 7822.

1. Prof. AH Kalro, Former Dean IIM Ahmedabad, 91 79 2644 0171, e-mail: [ahkalro@yahoo.co.in](https://webmail.iitk.ac.in/squirrelmail/src/compose.php?send_to=ahkalro%40yahoo.co.in).
2. Prof. JL Saha, (Ex Director IIM Ahmedabad): Sabarmati, CG 204 Salt lake City Sector II, KOLKATA; e-mail: [saha.jahar@gmail.com](mailto:saha.jahar@gmail.com). Mob. +91-9433074664.

Research Interest Score at ResearchGate

<https://www.researchgate.net/profile/R-Sharma-8/stats>

**Brief CV of Dr. R.R.K. Sharma, IIT KANPUR**

**Retired Professor,** **(31 Jan 2024)**

**Department of Management Sciences**

**List of Achievements:**

**Dr Sharma has had 38 years of career to date. Started as graduate engineer trainee with TELCO (PUNE) (now TATA MOTORS INDIA) during 1980-82, and later went on to do Ph.D. in management at I.I.M., Ahmedabad, INDIA. After Ph. D. in management, he worked with TVS Suzuki (for 9 months) as executive assistant to GM (marketing). Now he has 35 years of teaching and research experience at the Department of Management Sciences (earlier Dept. of Industrial and Management Engineering), I.I.T., Kanpur, 208016 INDIA. He has taught over 22 different courses in management at IIT Kanpur INDIA (to B. Tech., M. Tech. and M.B.A. students) and is well versed with all the facets of management and has unique ability to integrate different areas of the subject. To date he has written 1231 papers (peer reviewed (409: in scopus: 128 & 31 in ABDC C category as on 2013) / under review or preparation (41) / working papers 781 (not referred) and 12 BOOKS are included in this (6 are referred and 6 books of working papers (not referred)). He has published in almost all areas of management. He has developed over 10 software products. Till date he has guided 67 (graduated) M TECH (additional 2 in progress) and 24 (graduated) PhD (additional 4 in progress) theses at IIT Kanpur. He has been Sanjay Mittal Chair Professor at IIT KANPUR (15.09.2015 to 14.09.2018); and has been HAG scale professor at IIT Kanpur (01 Aug 2012 to 31 Jan 2024). One of his research monograph is now available in 8 different languages worldwide. He has retired on 31 Jan 2024 from DoMS IIT Kanpur 208016 India.**

**Dr. Sharma has won several international awards: (1) Elected “Fellow of AIMS International” in 2012. (2) Elected to receive the Dr Manubhai M Shah Memorial Award 2013 (instituted by the Indian Commerce Association): it carried a Cash Prize of Rs. 1 Lakh, trophy and a certificate of excellence. (3) In 2015, received the “Membership Award” given by IABE USA (International Academy of Business and Economics). (4) Elected as “Distinguished Scientist”, Venus International Foundation Research Awards 2015 (VIFRA 2015) at the CENTRE FOR ADVANCED RESEARCH AND DESIGN; Chennai: Dec 19; 2015. (5) In 2016, received the “Distinguished Educator Award”, selected by IEOM (Industrial Engineering and Operations Management) Society, USA; given at Kuala Lumpur on MAR 09, 2016. (6) In 2018, career 360 recognized him as one of the top ten knowledge producer in India. (7) Invited in 2019, 2020, 2021, 2022 and 2023 by the MHRD Govt. of India to participate in “NIRF Rankings Survey” for management schools in India. (8) Invited in 2019, 2020, 2022, 2023 and 2024 to participate in the “QS Ranking Exercise” for management schools in Asia. (8) Elected to receive the Distinguished Service Award of the IEOM Society USA. (9) Invited as an expert to participate in THE 2023 (13 Nov 2022) and 2024 (19 Nov 2023) Academic Reputation Survey, “Times Higher Education For Ranking Universities World-Wide”.**

**Dr. RRK Sharma was selected as the “Fellow of IEOM (Industrial Engineering & Operations Management) Society, USA 2024”.**