

Profile Page



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Qualification : Ph.D. Mechanical Engineering (Kurukshetra University, Kurukshetra)
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Research Interests :

Supply Chain Management, Operations Management, Human Factors Engineering, Technology Management, Theory of Constraints, etc.

Other Profile Links :

Google Scholar Link :

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Journal Publications :

Year	Journal	Publication
2023	International Journal of System Assurance Engineering and Management	Sharma, J., Tyagi, M., & Bhardwaj, A. (2023). Valuation of inter-boundary inefficiencies accounting IoT based monitoring system in processed food supply chain. , 1-23.
2023	Logistics	Bhardwaj, A., Soni, R., Singh, L. P., & Mor, R. S. (2023). A Simulation Approach for Waste Reduction in the Bread Supply Chain. , 7(1), 2.
2022	Materials Today: Proceedings,	Singh, G., Singh, R., Singh, S., Bhardwaj, A., Singh, S., & Prakash, C. (2022). Comparison of Ni-Cr based partial dentures prepared by thermoplastic and wax based investment casting: Mechanical, morphological and in-vitro analysis. 48, 938-945.
2022	Sustainability	Almuflih, A. S., Sharma, J., Tyagi, M., Bhardwaj, A., Qureshi, M. R. N. M., & Khan, N. (2022). Leveraging the dynamics of food supply chains towards avenues of sustainability. 14(12), 6958.

2022	Advances in Materials and Processing Technologies	Sharma, J., Tyagi, M., & Bhardwaj, A. (2022). Exploration of the avenues for adoption of the thermal based food processing technologies in manufacturing arena. , 1-23.
2022	OP Conference Series: Earth and Environmental Science	Kumar, R., Bhardwaj, A., Singh, L. P., & Singh, G. (2022, October). Environmental Impact Assessment of Maize Production in Northern India. In I(Vol. 1084, No. 1, p. 012042). IOP Publishing.
2021	Advances in Materials and Processing Technologies	Singh, G., Singh, R., Singh, S., & Bhardwaj, A. (2021). On multi-factor optimisation of Ni-Cr-based partial dentures by centrifugal casting.
2021	Materials Today: Proceedings	Arya, S., Gupta, A., & Bhardwaj, A. (2021). Economic analysis of electronics waste materials: a region based study.
2021	Journal of Agribusiness in Developing and Emerging Economies	Sharma, J., Tyagi, M., & Bhardwaj, A. (2021). Exploration of COVID-19 impact on the dimensions of food safety and security: a perspective of societal issues with relief measures.
2021	International Journal of Logistics Systems and Management	Gupta, A., Bhardwaj, A., & Bhanot, N. (2021). Product mix decisions with complete shipment and multiple physical resources as constraints.
2021	Logforum	Mor, R. S., Bhardwaj, A., Singh, S., & Khan, S. A. R. (2021). Modelling the distribution performance in dairy industry: a predictive analysis. , 17(3).
2021	Work	Dev, M., & Bhardwaj, A. (2021). Respiratory symptoms and spirometric abnormalities among welders in the welding workplace of the Indian unorganized sector.
2021	International Journal of Industrial Engineering	Mor, R. S., Bhardwaj, A., Kharka, V., & Kharub, M. (2021). Spare Parts Inventory Management In the Warehouse: A Lean Approach., 32(2), 1-11.
2021	International Journal of Quality & Reliability Management	Chopra, A., Sachdeva, A., & Bhardwaj, A. (2021). Selection of appropriate maintenance strategy using fuzzy VIKOR technique: application in paper industry. 39(5), 1226-1248.
2020	Journal of Advances in Management Research	Sharma, J., Tyagi, M., & Bhardwaj, A. (2020). Parametric review of food supply chain performance implications under different aspects.
2020	International Journal of Industrial and Systems Engineering	Mor, R. S., Bhardwaj, A., Singh, S., & Arora, V. K. (2020). Exploring the factors affecting supply chain performance in dairy industry using exploratory factor analysis technique. g, 36(2), 248-265.
2019	Journal of Optimization in Industrial Engineering	Arya, S., Gupta, A., & Bhardwaj, A. (2020). Behaviour of Individuals towards E-Waste Management in India.
2018	Journal of Manufacturing Technology Management, Accepted (In Press).	Mor, R.S., Bhardwaj, A., Singh, S., & Sachdeva, A. Productivity gains through Standardization-of-Work in a manufacturing company.
2018	International Journal for Quality Research, Vol. 12, No. 2, pp. 385-404.	Mor, R.S., Singh, S., & Bhardwaj, A. Benchmarking the interactions among barriers in Dairy supply chain: An ISM approach.
2018	Benchmarking: An International Journal, Vol. 25, No. 9, pp. 3858-3881	Mor, R.S., Bhardwaj, A., & Singh, S. Benchmarking the interactions among Performance Indicators in Dairy supply chain: An ISM approach.
2018	Journal of Operations and Supply Chain Management, Vol. 11, No. 1, pp. 14-25.	Mor, R.S., Bhardwaj, A., & Singh, S. A structured-literature-review of the supply chain practices in Dairy industry.
2018	International Journal of Business Forecasting & Marketing Intelligence, Accepted (In Press).	Mor, R.S., Nagar, J., & Bhardwaj, A. A comparative study of forecasting methods for sporadic demand in an auto service station.
2018	International Journal of Human Factors and Ergonomics, Vol. 5, No. 3, pp. 240-255.	Dev, M., Bhardwaj, A., & Singh, S. Analysis of work-related musculoskeletal disorders and ergonomic posture assessment of welders in unorganised sector: a study in Jalandhar, India.

2018	Advances in Industrial Engineering and Management, Accepted (In Press)	Mor, R.S., Jaiswal, S.K., Singh, S., & Bhardwaj, A. Minimizing the uncertainty in business operations through demand forecasting: A structural-literature-review.
2017	Journal of Cleaner Production, Vol. 141, 2017, pp. 1194-1208	Green supply chain management related performance indicators in agro industry: A review
2017	Management Science Letters, Vol. 7, No. 10, 2017, pp. 467-478	Mor, R.S., Singh, S., Bhardwaj, A., & Osama, M. Exploring the awareness level of biomedical waste management: Case of Indian healthcare
2017	Jurnal Teknik Industri, Vol. 19, No. 2, pp. 83-92	Mor, R.S., Bhardwaj, A., Singh, S., & Bharti, S. Exploring the causes of low-productivity in Dairy industry using AHP.
2017	Journal of Industrial Safety Engineering, Vol. 4, No. 1, 2017, pp. 15–20	Dev, M., Bhrdwaj, A., & Singh, S. Perception towards occupational hazards and usage of personal protective equipment among roadside welders
2016	Operations and Supply Chain Management: An International Journal, Vol. 9, No. 1, 2016, pp. 61-72	Mor, R.S., Singh, S., & Bhardwaj, A. Learning on Lean Production: A Review of Opinion and Research within Environmental Constraints
2015	Journal of Manufacturing Technology Management, Vol. 26, No. 6, 2015, pp. 911-922	Critical factors analysis and its ranking for implementation of GSCM in Indian dairy industry
2015	International Journal of Supply and Operations Management, Vol. 2, No. 2, 2015, pp. 720-747	Mor, R.S., Singh, S., Bhardwaj, A. Technological implications of supply chain practices in agri-food sector: a review.
2014	International Journal of Industrial and Systems Engineering, Vol. 16, No. 4, 2014, pp. 433-450	An Interpretive Structural Modelling Approach for Analyzing Barriers in Total Productive Maintenance Implementation
2014	International Journal of Engineering and Technical Research, Vol. 2, No. 3, 2014, pp. 175-180	Importance of Training and Data Management Issues in Implementing Reliability Centered Maintenance (RCM)
2014	International Journal of Industrial and Systems Engineering, Vol. 23, No. 2, 2014, pp. 155-165	Productivity enhancement using Reliability Centered Maintenance in Process Industry
2014	VIVECHAN International Journal of Research, Vol. 5, 2014, pp. 1-10	Relationship of Reliability Centered Maintenance (RCM) with Safety, Environment and Morale of employees in Indian Process Industry
2014	International Journal of Research in Management, Science and Technology, Vol. 2 No. 3, 2014, pp. 117-120	General Maintenance Scenario in Indian Process Industry
2013	VIVECHAN International Journal of Research, Vol. 4, 2013, pp. 64-67	GSCM performance evaluation of manufacturing industry using AHP
2013	ISRN Public Health, Vol. 2013, pp. 1-8	Occupational Exposure to Respirable Suspended Particulate Matter and Lung Functions Deterioration of Steel Workers: An Exploratory Study in India
2013	Human Factors: The Journal of Human Factors & Ergonomics Society, Vol. 55, No. 2, 2013, pp. 411-424	Occupational noise-induced hearing loss in Indian steel industry workers- an exploratory study
2012	Noise Health, Vol. 14, No. 58, 2012, pp. 119-128	Prevalence of Permanent Hearing Threshold Shift Among Workers Of Indian Iron And Steel Small And Medium Enterprises: A Study

2012	International Journal of Industrial and Systems Engineering, Vol. 12, No. 2, 2012, pp. 223-242	A framework for selection of logistics outsourcing partner in uncertain environment using TOPSIS
2012	Journal of Manufacturing Technology Management, Vol. 23, No. 7, 2012, pp. 899-921	Selection of logistic service provider using fuzzy PROMETHEE for a cement industry
2012	International Journal of Productivity and Quality Management, Vol. 9, No. 4, 2012, pp. 456-471	Measuring manufacturing performance with the implementation of TPM: an exploratory study
2012	International Journal of Physical and Social Sciences, Vol. 2, No. 4, 2012, pp. 226-244	Respiratory Health In Brick Kiln Workers
2012	World Academy of Science, Engineering and Technology Journal, Vol. 67, 2012, pp. 1183-1186	Current scenario of green logistics in Indian industry
2011	International Journal of Advanced Engineering Technology, Vol. 2, No. 1, 2011, pp. 251-259	Respirable Suspended Particulate Matter (RSPM) and respiratory symptom among Casting Industry Workers: an exploratory study in Northern India
2011	International Journal of Advanced Engineering Technology, Vol. 3, No. 1, 2011, pp. 260-269	Role of Logistics and Transportation in green supply chain management: An exploratory study of Courier service industry in India
2011	Journal of Minerals and Materials, Vol. 10, No. 2, 2011, pp. 199-230	Review to EDM by Using Water and Powder-Mixed Dielectric Fluid
2010	Ergonomics SA: Journal of the Ergonomics Society of South Africa, Vol. 22, No. 1, 2010, pp. 36-56	Small & medium Scale Casting and Forging Industry in India: an ergonomic study
2010	Noise Health, Vol. 12, No. 46, 2010, pp. 37-48	Occupational exposure in small and medium scale industry with specific reference to heat and noise
2009	Industrial Health, Vol. 47, No. 4, 2009, pp. 423-430	Occupational Noise Exposure in Small Scale Hand Tools Manufacturing (Forging) Industry (SSI) in Northern India (Field Study)
2009	International Journal of Human Geography & Environmental Studies, Vol. 1, No.1, 2009, pp. 32-38	Occupational heat exposure in extreme weather conditions in small and medium enterprises (SME) in India
2009	International Journal of Human Geography and Environmental Studies, Vol. 1, No. 1, 2009, pp. 46-51	Occupational noise and hearing conservation of industrial workers in casting, forging industry in Northern India
2009	International Journal of Sustainability Science and Studies, Vol. 1, No. 1, 2009, pp. 64-66	Recycling strategies of trade effluents of a textile processing industry based on physical, chemical and biological treatment in India
2009	The IUP Journal of Operations Management, Vol. 3, No. 3, 2009, pp. 61-70	The Impact of Quality management Tools on Performance: An Exploratory Study on SMEs
2009	International Journal of Business and Globalization, Vol. 3, No. 2, pp. 146-157.	A Study of Indian Automotive Vendors Using Cluster Analysis

2008	Proceedings of the World Congress on Engineering and Computer Science, San Francisco, 2008	Analysis and Clusterisation of Indian Automotive Vendors Using Hierarchical Cluster Analysis
2008	Journal of Environmental Physiology, Vol. 20, No. 1, 2008, pp. 83-92	Evaluation of Work Strain on Workers Working in Small Scale Forging Industry
2007	International Journal of Management Practice, Vol. 2, No. 3, 2007, pp. 226-239	Impact of ISO 9000 certificate on performance of SMEs: A study of Indian industry
2006	Journal of Scientific and Industrial Research, Vol. 65, 2006, pp. 794-797	Vendor-Customer Relationship for Product Design- An Exploratory Study of Indian Automotive Industry
2006	The IUP Journal of Management Research, Vol. 5, No. 6, 2006, pp. 49-58	A Case Study of Passive License Agreement: Role of Licensor, Licensee And Customer
2006	Journal for Manufacturing Science and Production, Vol. 7, No. 1, 2006, pp. 35-48	A Model for Cutting Tool Wear Estimation
2005	International Journal of Technology Transfer and Commercialization, Vol. 4, No. 2, 2005, pp. 206-230	Synthesis of Research Issues in Technology Acquisition – A Literature Review and Indian Field Study

Conference Publications :

Year	Conference	Publication
2022	2nd International Conference on Sustainable Energy, Environment & Green Technologies, 425-232, June 23-25, 2022	Rohit Kumar, Arvind Bhardwaj, Lakhwinder pal Singh, Gurraj Sing. Environmental Impact Assessment of Maize Production in Northern India
2022	IOP Conference series : Materials Science and Engineering at NIT Jalandhar	Soni, R., Bhardwaj, A., & Jarangal, L. P. S. (2022, July). Bread waste and mitigation strategies: a review. In IOP Conference Series: Materials Science and Engineering (Vol. 1248, No. 1, p. 012010). IOP Publishing.
2021	2nd Symposium on Synthesis, Characterization & Processing of Inorganic, Bio and Nano Materials	Singh, G., Singh, R., Singh, S., Bhardwaj, A., Singh, S., & Prakash, C. (2022). Comparison of Ni-Cr based partial dentures prepared by thermoplastic and wax based investment casting: Mechanical, morphological and in-vitro analysis. Materials Today: Proceedings, 48, 938-945.
2018	3rd North American International Conference on Industrial Engineering and Operations Management, Washington DC, USA, Sept. 27-29, 2018, Accepted.	Mor, R.S., Singh, S., Bhorla, R., & Bhardwaj, A. (2018). Role of value stream mapping in process development: a review.
2018	Proceedings of the 2018 International Conference on Industrial Engineering and Operations Management, Bandung, Indonesia, March 6-8, 2018, pp. 588-599.	Mor, R.S., Bhardwaj, A., & Singh, S. (2018). A structured literature review of the Supply Chain practices in Food Processing Industry.
2018	Proceedings of the 2nd IEOM European Conference on Industrial Engineering and Operations Management Paris, France, July 26-27, 2018, pp. 2595-2602.	Bhardwaj, A., Mor, R.S., & Nagar, J. (2018). Productivity gains through PDCA approach in an auto service station.

2017	5th International Conference on Advances in Engineering & Technology, Singapore	Bhardwaj, A., Dev, M., Singh, S., & Mor, R.S. Ergonomic risk assessment of workers in manufacturing industry using posture analysis tools
2016	Proceedings of the 2016 International Conference on Industrial Engineering and Operations Management Detroit, Michigan, USA	Bhardwaj, A., Mor, R.S., Singh, S., & Dev, M. An investigation into the dynamics of supply chain practices in Dairy industry: A Pilot Study
2016	14th Int. Conf. on HWWE- 2016, NIT Jalandhar	Posture analysis of welders using evaluation technique rapid upper limb assessment (RULA)
2016	4th Int. Conf. on CPIE- 2016, NIT Jalandhar	Prevalence of occupational health hazards among welders
2016	14th Int. Conf. on HWWE- 2016, NIT Jalandhar	Effect of exposure to dust on lung function of grinding workers in manufacturing industry
2016	4th Int. Conf. on CPIE- 2016, NIT Jalandhar	Status of general and preventive maintenance issues in Indian process industry
2016	4th Int. Conf. on CPIE- 2016, NIT Jalandhar.	Mor, R.S., Bhardwaj, A., Singh, S., & Soota, T. Delivering efficiency through inventory management in manufacturing industry: a case study.
2013	International Conference on Sustainable Manufacturing and Operations Management, Mauritius, 2013	Determination of optimal location for dominant constraint in multi-constraint scenario
2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013)	Benchmarking internal supply chain performance using financial data
2013	International Conference on Sustainable Manufacturing and Operations Management, Mauritius, 2013	Theory of Constraints based approach to Marketing Management
2013	International Conference on production and Industrial Engineering- 2013, NIT Jalandhar	Late night discussions- A bank of knowledge on various Management issues from Goldratt's site
2013	International Conference on Industrial Engineering and Management Science (ICIEMS 2013), Shanghai, China	Solving MCDM problem using PROMETHEE with non-crisp data
2013	3rd International Conference on Production and Industrial Engineering CPIE-2013, NIT, Jalandhar	Analyzing the critical success factors for the successful implementation of Total Productive Maintenance
2013	3rd International Conference on Production and Industrial Engineering CPIE-2013, NIT, Jalandhar	Evaluating the performance effectiveness of total productive maintenance and other quality improvement strategies
2012	2nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), Jalandhar, India	An Investigation into Brainstem Auditory Evoked Potential Response (Latency Time) among Casting & Forging Industry Workers vs. Controls
2012	2nd International Conference on Biomedical Engineering and Assistive Technologies (BEATS 2012), Jalandhar, India	An investigation into Brainstem Auditory Evoked Potential among Steel Workers
2012	Proceedings of BEATS-2012	An investigation into Lung Functions of young engineering graduates with yogic Exercises
2012	Int. Conf. on Electrical, Computer, Electronics & Communication Engg, Viale Ancona, Venica Mestre, Italy	Criteria of Selecting 3PL Provider: A Literature Review
2011	57th Annual Conference of Association of Physiologists and Pharmacologists of India, AIIMS, New Delhi, India	Cardiac Autonomic Tone of Workers Engaged in Casting and Forging Industry: A study in India
2011	National Conf. on Advancements and Futuristic Trends in Mechanical and Materials Engineering, PTU Jalandhar	An Introduction to Total Productive Maintenance and Reliability Centered Maintenance

2010	International Conference on Mechanical & Industrial Engineering (WASET), Singapore	Fundamental concepts of Theory of Constraints- an emerging Philosophy
2010	International Conference on production and Industrial Engineering, NIT Jalandhar	Theory of Constraints A Review of the work done by Goldratt and others
2010	World Academy of Science, Engineering and Technology	Drum-Buffer- Rope- the technique to plan and control the production using Theory of Constraints
2010	International Conference on Biomedical Engineering and Assistive Technologies, NIT Jalandhar	Increased Autonomic Controls in Workers Engaged in Forging Industry
2010	International conference on Production and Industrial Engineering, NIT, Jalandhar	A Framework for MCDM problem using Fuzzy TOPSIS
2010	International conference on Production and Industrial Engineering 2010, NIT, Jalandhar	Fuzzy PROMETHEE: A CDM Technique for the selection of Logistics Service Provider for Milk Processing Industry
2010	International conference on Production and Industrial Engineering 2010, NIT, Jalandhar	An Integrated Approach of AHP and Fuzzy TOPSIS for Maintenance Strategy Selection
2010	Int. Conf. on System Engineering and Engineering Management, San Francisco, USA	Selection of 3PL service Provider using Integrated Fuzzy Delphi and Fuzzy TOPSIS
2010	International conference on Engineering Innovations: A Fillip to Economic Development, Continental Institute of Engineering and Technology, Jalvehra	Application of Fuzzy QFD Approach in the Selection of Third Party Logistics (3PL)
2010	2nd Int. Conf. on CPIE- 2010, NIT Jalandhar	Human risk factors in Post-Implementation phase of ERP in SMEs in India
2010	2nd Int. Conf. on CPIE- 2010, NIT Jalandhar	Reduction in fabrication cost by spot welding in comparison to SMAW process: case study
2010	2nd Int. Conf. on CPIE- 2010, NIT Jalandhar	Investigation of comfort level & passenger seat design (lower side berth) in sleeper class coaches in Indian trains: an exploratory study
2010	2nd Int. Conf. on CPIE- 2010, NIT Jalandhar	A framework for MCDM problem using fuzzy TOPSIS
2010	National Conf. at Yadvindra College of Engineering	An introduction to Total Productive Maintenance and Reliability centered maintenance
2008	4th IAMB conference, San Diego, California, USA	Theory of Constraints- Lessons for academicians & practicing managers from the goal II
2008	International Conference on Quantitative methods, Operations and Information Technology, IBS Hyderabad	Theory of Constraints & soft Management issues
2008	HWWE-08 Proceeding 2008 Vishavkarma Institute of Technology, Pune, India	Finding risk of distal upper extremities disorders in forging industry using Strain Index method
2008	HWWE-08 Proceeding 2008 Vishavkarma Institute of Technology, Pune, India	Human integration matrix to apply human systems integration in developing of new products
2007	CPIE- 2007, NIT Jalandhar	TPM - a practical approach for improvement of sugar industries
2007	CPIE- 2007, NIT Jalandhar	Application of statistical tools and techniques for achieving different sigma levels
2007	CPIE- 2007, NIT Jalandhar	Critical success factors for the successful implementation of six sigma methodology
2007	CPIE- 2007, NIT Jalandhar	Noise pollution and its effect on hearing of Auto-rickshaw drivers
2006	Portland international conference on management of Engineering and Technology, PICMET-06	Quality management practices V/S Performance of SMEs (an empirical study of Indian Industries)
2005	“GLOGIFT 05”, at Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal	Analysis of Improvement in the Output of Small Scale Units Through Technology Input – An Exploratory Study

2005	14th ISME International Conference on Mechanical Engineering, Delhi College of Engg., Delhi	The Impact of Various Productivity Improvement Techniques on Output Parameters in SMEs
2005	14th ISME International Conference on Mechanical Engineering, Delhi College of Engg., Delhi	Using Technology for Enhancing Competitiveness of Small-Scale Industry – An Exploratory Study
2005	National Seminar on Emerging Trends in Mechanical Engineering at NIT Kurukshetra	A Study of Technology Upgradation Practices Followed By Indian Automotive Supplier – A Case Study
2004	4th Global Conference on Flexible Systems Management, ITM, Mussoorie	Acquiring Technological Capabilities Through Joint Venture – A Case Study
2004	Humanizing Work and Work Environment (HWWE 2004), NITIE Mumbai	Acquisition and Adaptation of Japanese Technology – A Case Study
2002	2nd Global Conference on Flexible Systems Management, IITM Gwalior	Technology Adaptation in Indian Automotive Industry: Some Important Issues at Vendors Level
2002	2nd Global Conference on Flexible Systems Management, IITM Gwalior	Impact of ISO Certification on Performance of Organisations: An Exploratory Study
2002	National Seminar held at SBS College of Engineering & Technology, Ferozepur	CNG as an Environmental Friendly Fuel
2001	International Conference (ICME-2001), Bangladesh University of Engineering & Technology, Dhaka	Comparison of Performance Level - Before and After ISO-9000 Certification
2001	CAD/CAM, Robotics and Factories of Future, University of Natal, South Africa	Learning Issues for Vendors of Automobile Industry – An Indian Perspective
2000	Global Conference on Flexible Systems Management, Hotel Le-Meridien, New Delhi	Key Issues in Technology Transfer – A Literature Review
2000	National Conference on Computers & Devices for Communication (CODEC-2000), NIT Jalandhar	A Strategic Approach for Implementation of E-Commerce
1997	National Conference on Quality and Reliability, at Sri Jayachamarajendra College of Engineering, Mysore	Checking Rejection Rates Through SQC – A Case Study
1997	National Conference on Quality and Reliability at Sri Jayachamarajendra College of Engineering, Mysore	Training for Quality Management
1996	National Conference Organized by Indian Management Science Association, TIET, Patiala	Management of Project Completion
1995	National Conference organized by ISTE, NIT Allahabad	Optimization of Design Parameters for Disc Cams with Roller Followers
1994	National Workshop Cum Seminar on Non-Conventional Energy Sources, GNDU Amritsar	Energy Conservation through End Use Efficiency
1994	IXth ISME Conference on Mechanical Engineering, IIT Roorkee	Human Body Vibratory Model Under Sitting Posture

Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book chapter	“E-Waste Management Strategies Across Recycling Industry of Northern India An Empirical Investigation,”	Springer	Somvir Arya, Arvind Bhardwaj and Ajay Gupta	Online ISBN 978-981-19-6541-8	2022
Book chapter	Environmental Impact Assessment of Potato Cultivation in Northern India. In: Ratan, J.K., Sahu, D., Pandhare, N.N., Bhavanam, A. (eds) Advances in Chemical, Bio and Environmental Engineering.	Springer	Kumar, R., Bhardwaj, A., Singh, L.P. (2022)	Online ISBN 978-3-030-96554-9	2022

Book chapter	Detailing and Analysis of Factors Governing Inventory in Dynamics of Food Supply Chain Performance System	Wiley	Janpriy Sharma, Mohit Tyagi, Arvind Bhardwaj	https://doi.org/10.1002/9781119755074.ch2	2022
Book chapter	Assessment of the Challenges Obstructing Performance of Indian Food Supply Chain Dynamics	Springer	Janpriy Sharma, Mohit Tyagi, Arvind Bhardwaj	Online ISBN 978-981-16-7059-6	2022
Book chapter	Dimensions modelling for reliable indian food supply chains. In Reliability and risk modeling of engineering systems	Springer International Publishing.	Sharma, J., Tyagi, M., Panchal, D., & Bhardwaj, A. (2021)	Online ISBN 978-3-030-70151-2	2021
Book chapter	“Development of success factors for managing e- waste in Indian Organizations-An Empirical Investigation	Elsevier	Somvir Arya, Arvind Bhardwaj and Ajay Gupta		2020
Book chapter	Framework for Measuring the Procurement Performance in the Dairy Supply Chain	Taylor and Francis	Rahul S. Mor, Arvind Bhardwaj, Sarbjit Singh, Manjeet Kharub	9780429466328	2019
Book chapter	Framework for Measuring the Performance of Production Operations in the Dairy Industry	IGI Global publication	Rahul S. Mor, Arvind Bhardwaj, Sarbjit Singh, Manjeet Kharub	DOI: 10.4018/978-1-5225-8157-4.ch002	2019
Book chapter	Parametric Assessment of Temperature Monitoring Trends in Food Supply Chain Performance System.	Springer	Sharma, J., Tyagi, M., Bhardwaj, A.	978-981-15-4550-4	2019
Book Chapter	Framework for measuring the Procurement performance in Dairy Supply Chain.	CRC Press (Taylor & Francis Group)	Mor, R.S., Bhardwaj, A., Singh, S., & Kharub, M. Accepted as Book Chapter.	Accepted	2018
Book Chapter	Demand Forecasting of the Short-Lifecycle Dairy Products, In: Understanding the Role of Business Analytics, https://doi.org/10.1007/978-981-13-1334-9_6 .	Springer Nature Singapore Pte Ltd.	Mor, R.S., Jaiswal, S., Singh, S., & Bhardwaj, A.	ISBN 978-981-13-1333-2, eBook ISBN 978-981-13-1334-9.	2018
Book	Spare parts inventory management: An exploratory study.	Lambert Academic Publishing, Germany.	Kharka, V., Bhardwaj, A., & Mor, R.S.	978-613-8-34073-7.	2018
Book	Intermittent demand forecasting: an exploratory study.	Lambert Academic Publishing, Germany.	Nagar, J., Bhardwaj, A., & Mor, R.S.	978-613-9-83204-0.	2018

Book chapter	Optimization of Assembly line in Footwear manufacturing industry: A case study.	Springer	Mor, R.S., Singh, S., Bhardwaj, A., Bhoria, R.	Accepted	2017
Book Chapter	Productivity Improvement Measure and Performance of SMEs	Lap Lambert Academic Publishing	L P Singh, Arvind Bhardwaj & Anish Sachdeva	978-3-659-11436-6	2012
Book Chapter	A framework for the selection of logistic service provider using fuzzy Delphi and fuzzy TOPSIS	Springer, New York, NY	Gupta, R., Sachdeva, A. and Bhardwaj, A.	Online ISBN 978-1-4614-0373-9, Print ISBN 978-1-4614-0372-2	2011
Book	Human Factors Engineering	Galgotia Publications, N.Delhi	L P Singh & Arvind Bhardwaj	9788175157323	

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
Co-PI	Sponsored Project	Technology Gap Study for Bicycle Manufacturing Cluster of Ludhiana	Technology Information Forecasting and Assessment Council (TIFAC)	2010	2012	10,00000	Completed	

Events Organized :

Category	Type	Title	Venue	From	To	Designation
Conference	International	14th annual International Ergonomics Conference 'Humanizing Work and Work Environment' (HWWE 2016)	Department of Industrial and Production Engineering, NIT Jalandhar, Punjab (India)	8-12-2016	11-12-2016	Conference Chair
Conference	International	4th International Conference on Production & Industrial Engineering (CPIE-2016)	Department of Industrial and Production Engineering, NIT Jalandhar, Punjab (India)	19-12-2016	21-12-2016	Conference Chair
Faculty Development Programme	National	TEQIP sponsored STC at NIT Jalandhar on 'Operations & Supply Chain Management'	NIT Jalandhar	05-09-2016	09-09-2016	Coordinator

Conference	International	International Conference on Sustainable Manufacturing & Operations Management	Mauritius in Collaboration with University of Mauritius	24-06-2013	26-06-2013	Chairman
Conference	International	International Conference on Communication, Information and Computing Technology (ICCICT-2015)	GIMET Amritsar	12-05-2015	13-05-2015	Chief Advisor
Conference	National	National Conference on Inter-Disciplinary Research in Engineering and Technology & Management	GIMET Amritsar	17-12-2014	18-12-2014	Chief Advisor
Seminar	National	Seminar on Ecology, Society & Role of Youth in Conservation	GIMET Amritsar	04-04-2014		Chief Coordinator
Two Day Workshop	National	Supply chain Management Practices in Morden Era-Issues & Challenges	GIMET Amritsar	12-01-2014	13-01-2014	Chief Coordinator
Workshop cum Conference	National	National Level Workshop cum Conference on New Business World-Issues & Challenges	GIMET Amritsar	03-12-2014.	04-12-2014	Chief Coordinator
Conference	International	2nd International Conference on Production & Industrial Engineering	NIT Jalandhar	03-12-2010	05-12-2010	Chairman
MHRD/AICTE Sponsored Faculty Development Programme	National	Industrial Engineering in Current Business Paradigm - Issues and Challenges		12-06-2010	16-06-2010	Chief Coordinator
MHRD/AICTE Sponsored Faculty Development Programme	National	Perspectives of Metal Cutting - present and Future		12-06-2010	16-06-2010	Chief Coordinator
Conference	International	1st International Conference on Production & Industrial Engineering	NIT Jalandhar	22-03-2007	24-03-2007	Conference Chair

Faculty Development Programme (MHRD/AICTE sponsored)	National	Supply Chain Management: Issues and Challenges		13-07-2009	17-07-2009	Chief Coordinator
One Day Community Development Programme (TEQIP)	National	Enhancing Productivity Through Jigs and Fixtures	NIT Jalandhar	Feb. 2006		Coordinator
Awareness Programme	National	Technology Management, sponsored by Department of Scientific and Industrial Research		Nov. 2001		Coordinator
Refresher Course for Teachers of Polytechnics	National	TQM & ISO 9000		05-03-1998	07-03-1998	Coordinator
Conference	International	17th INTERNATIONAL CONFERENCE ON HUMANIZING WORK AND WORK ENVIRONMENT	NIT Jalandhar	08-11-2019	10-11-2019	CONFERENCE CHAIR
Conference	International	6th International Conference on Production & Industrial Engineering	NIT Jalandhar	08-06-2019	10-06-2019	CONFERENCE CHAIR
Workshop	National	AIR POLLUTION AND HEALTH HAZARDS (APHH-2021) Jointly organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab and Punjab Pollution Control Board, Punjab State Government, Punjab	Online	31-03-2021	31-03-2021	Chief Coordinator
FDP	National	One Week FDP on Advanced Engineering Optimization Techniques	Online	24-08-2020	28-08-2020	Coordinator
STC	National	Practices of Statistical & Optimization Techniques” (PSOTR-21)	NIT Jalandhar	06-06-2022	10-06-2022	Coordinator

FDP	National	One week FDP on Modern Tools & Techniques for effective Research and Publication	Online	21-Aug-2020	25-Aug-2020	Coordinator
FDP	National	One week FDP on effective Logistics for Sustainable Environment	Online	10-Aug-2020	14-Aug-2020	Coordinator
International Conference	National	Humanising Work & Work Environment (HWWE 2019)	NIT Jalandhar	08-11-2019	10-11-2019	Conference Chair

Professional Affiliations :

Designation	Organization
Fellow	Institution of Engineers India (IEI)
Member	Indian Society of Ergonomics (ISE)
Member	International Ergonomics Association (IEA)
Member	Institute of Industrial Engineers (Georgia, USA)
Life Member	Global Institute of Flexible Systems Management (India)
Life Member	Indian Society for Technical Education(New Delhi, India)

PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Somvir Arya	An Investigation into E-waste Management System in the Northern Indian States	Completed	2021	Dr Ajay Gupta
Manish Dev	An investigation into the occupational Health of welders in unorganized Sector in the State of Punjab	Completed	2021	Dr Sarabjit Singh
Arjan Singh	An Ergonomic Investigation on Occupational Health and Related Factors of Workers Engaged in Grinding Tasks	Completed	2018	Dr. L P Singh
Rahul S Mor	Study & Analysis of Supply Chain Practices in Dairy Industry	Completed	2017	Dr Sarbjit Singh
Amit Chopra	Productivity Enhancement in Indian Process Industry through Reliability Centered Maintenance	Completed	2015	Dr Anish Sachdeva
Rajesh Gupta	Impact of logistic services and logistic outsourcing on economic development: A study in Indian Context	Completed	2014	Dr Anish Sachdeva
Manjinder Singh	Studies on the Role of Total Productive Maintenance in Enhancing Manufacturing Performance of Indian Industry	Completed	2014	Dr Anish Sachdeva
Sarbjit Singh	An Investigation of Green Supply Chain Practices in Indian Industry	Completed	2013	
L P Singh	An Investigation into the Occupational Health of Industrial Workers in SMEs	Completed	2012	Dr K K Deepak, AIIMS New Delhi
Ajay Gupta	Performance Evaluation and Improvement of Production System Using Theory of Constraints	Completed	2012	

Vijay Sharma	Green Supply Chain Management in Dairy & Agro Sector: A Framework for Sustainable Development	Completed		Dr Pankaj Chandna, NIT Kurukshetra
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Patents :

Name	Reg./Ref. No.	Date of Award/Filling	Organization	Status
Body Torso PPE Cover	332357-001	23-11-2022	Patent Office, GOI	Awarded
Lizard Catcher	332643- 001	02-09-2020	The Patent Office, GOI	Awarded
Apparatus For Lifting And Lowering LPG Cylinders, Patent Filed	202111003765	28-01-2021	The Patent Office, GOI	Filed and Under Process
Posture Assisting Device for Performing an Exercise	202011003769	28-01-2021	The Patent Office, GOI	Filed and Under Process
HEAD PPE MASK	332812- 001	04-09-2020	The Patent Office, GOI	Filed and Under Process
Apparatus For Lifting And Lowering LPG Cylinders, Design Registration	338520-001	03-02-2021	The Patent Office, GOI	Awarded

Admin. Responsibilities :

Position Held	Organization	From	To
Dean- Research & Consultancy	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	24-01-2017	22-02-2019
Head- Department of Industrial & Production Engineering	National Institute of Technology, Jalandhar, Punjab		
Director	Global Institute of Management & Emerging Technologies, Amritsar, Punjab	09.05.2012	08.05.2015
Dean Students Welfare	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	02.09.2009	30.04.2012
Head, Center for Training & Placement	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	26.03.2016	24.02.2017
Chief Organiser for “UTKANSH”	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	2005	2006
Chairman, Campus Amenities	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	02.09.2009	30.04.2012
Chairman Cultural Affairs	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	05.08.2000	10.12.2007
Hostel Warden	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	1994	1997
Secretary, Faculty Club	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	1995	1997
Departmental Coordinator for NBA Accreditation	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	2004	2009
Chairman, Central Timetable	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	2000	2002
Chief Editor of Institute Magazine	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	1998	2000
Head, Training & Placement	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	22-02-2019	20-02-2020

Chairman Alumni Affairs	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	22-02-2019	20-02-2021
Chairman Industry Institute Interaction	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	22-02-2019	20-02-2021
Chairman Students Grievance Cell	Dr B R Ambedkar National Institute of Technology, Jalandhar, Punjab	20-08-2022	Till Date