

## Profile Page



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### Research Interests :

Reliability and Maintenance Engineering, Supply Chain Management, Stochastic Modeling, System Simulation

### Journal Publications :

Year	Journal	Publication
2022	Journal of Materials Engineering and Performance (2022): 1-15.	Sharma, Vishal, Jaiinderpreet Singh, Vishal S. Sharma, Anish Sachdeva, Munish Kumar Gupta, and Sharanjit Singh. "Investigations on Mechanical Properties of Polyamide Parts Fabricated by Selective Laser Sintering Process."
2021	International Journal of Sustainable Energy, 2021, 40(5), pp. 460–476	Choudhary, S., Sachdeva, A., Kumar, P “Time-based assessment of thermal performance of flat plate solar collector using magnesium oxide nanofluid”
2021	International Journal of Quality and Reliability Management, 2021	Chopra, A., Sachdeva, A., Bhardwaj, A “Selection of appropriate maintenance strategy using fuzzy VIKOR technique: application in paper industry”
2021	International Journal of Simulation and Process Modelling, 2021, 16(4), pp. 323–332	Kumar, N., Tewari, P.C., Sachdeva, A. “Stochastic modelling and availability analysis of repairable system of a milk processing plant”
2021	Applied Thermal Engineering, 2021, 183, 115931	Choudhary, S., Sachdeva, A., Kumar, P “Time-based analysis of stability and thermal efficiency of flat plate solar collector using iron oxide nanofluid”
2021	Lasers in Manufacturing and Materials Processing, 2021, 8(1), pp. 73–96	Sharma, V., Chand, R., Sharma, V.S., Sachdeva, A., Singh, S “Investigating Shrinkage: CAD, Thermal and Volumetric for Selective Laser Sintering of Polyamide Parts”
2021	Archives of Computational Methods in Engineering, 2021, 28(5), pp. 3491–3515	Srivastava, S., Garg, R.K., Sharma, V.S., Sachdeva, A “Measurement and Mitigation of Residual Stress in Wire-Arc Additive Manufacturing: A Review of Macro-Scale Continuum Modelling Approach”
2021	International Journal of Supply and Operations Management, 2021, 8(3), pp. 289–313	Sharma, V.K., Sachdeva, A., Singh, L.P. “A meta analysis of sustainable supply chain management from different aspects”

2021	International Journal of Operational Research, 2021,42(4), pp.423-442.	Bahl, Ankur, Anish Sachdeva, and Rajiv Kumar Garg. "Optimising preventive maintenance schedule for a distillery plant."
2020	International Journal of Productivity and Quality Management, 2020, 29(4), pp. 542-557	Chopra, A., Sachdeva, A., Bhardwaj, A "Prevalent general and preventive maintenance practices in Indian process industry"
2020	International Journal for Engineering Modelling, 2020, 33(1-2), pp. 95–107	Kumar, N., Tewari, P.C., Sachdeva, A "Petri Nets Modelling and Analysis of the Veneer Layup System of Plywood Manufacturing Plant"
2020	International Journal of Simulation and Process Modelling, 2020, 15(5), pp. 401–409	Kumar, N., Tewari, P.C., Sachdeva, A "Performance modelling and availability analysis of a milk pasteurising system using Petri nets formalism"
2020	Renewable Energy, 2020, 147, pp. 1801–1814	Choudhary, S., Sachdeva, A., Kumar, P "Investigation of the stability of MgO nanofluid and its effect on the thermal performance of flat plate solar collector"
2020	Rapid Prototyping Journal, 2020, 26(4), pp. 737–764	Srivastava, S., Garg, R.K., Sharma, V.S., Alba-Baena, N.G., Sachdeva, A., Chand, R. and Singh, S. "Multi-physics continuum modelling approaches for metal powder additive manufacturing: a review"
2020	Renewable Energy, 2020, 152, pp. 1160–1170	Choudhary, S., Sachdeva, A., Kumar, P "Influence of stable zinc oxide nanofluid on thermal characteristics of flat plate solar collector"
2020	SN Applied Sciences, 2020, 2(9), 1488	Kumar, N., Tewari, P.C., Sachdeva, A "Performance assessment of milk processing system using Petri nets"
2019	Progress in Additive Manufacturing Vol 4 (1), pp 3-12	S Singh, VS Sharma, A Sachdeva "Application of response surface methodology to analyze the effect of selective laser sintering parameters on dimensional accuracy"
2019	i-Manager's Journal on Management 13 (4), 26	SK Gandhi, A Sachdeva, A Gupta "Managing Service Quality in Technical Education: A Case Study Using Sap-Lap Methodology"
2019	Advances in Industrial and Production Engineering, 161-174	SK Gandhi, A Sachdeva, A Gupta "Service Quality in Indian SMEs: Developing a Dual Directional Scale at Supplier–Manufacturer Dyad"
2019	Journal of Project Management 4 (2), 81-96	S Gandhi, A Sachdeva, A Gupta "Reduction of rejection of cylinder blocks in a casting unit: A six sigma DMAIC perspective"
2019	Uncertain Supply Chain Management 7 (2), 289-310	S Gandhi, A Sachdeva, A Gupta "Supplier service quality in supply chains of Indian SMEs: A dual direction dyadic perspective"
2019	Journal of Advances in Management Research 16 (1), 91-122	SK Gandhi, A Sachdeva, A Gupta "Impact of service quality on satisfaction and loyalty at manufacturer-distributor dyad: Insights from Indian SMEs"
2018	Uncertain Supply Chain Management 6 (3), 255-270	H Singh, R Garg, A Sachdeva "Investigating the interactions among benefits of information sharing in manufacturing supply chain"
2018	Progress in Additive Manufacturing, 1-10	S Singh, VS Sharma, A Sachdeva "Application of response surface methodology to analyze the effect of selective laser sintering parameters on dimensional accuracy"
2018	Management Science Letters 8 (10), 991-1014	S Gandhi, A Sachdeva, A Gupta "Impact of service quality and satisfaction on employee loyalty: An empirical investigation in Indian SMEs"
2018	IUP Journal of Supply Chain Management 15 (1), 7-39	SK Gandhi, A Sachdeva, A Gupta "Service Quality Models: A Critical Analysis About Their Relevance to Supply Chains of Small-Medium Manufacturing Units"
2018	BVIMSR's Journal of Management Research 10 (1), 85-102	SK Gandhi, A Sachdeva, A Gupta "DEVELOPING A SERVICE QUALITY SCALE FROM EMPLOYEES PERSPECTIVE IN SMALL & MEDIUM MANUFACTURING ENTERPRISES"

2018	PACIFIC BUSINESS REVIEW INTERNATIONAL 10 (11), 66-76	SK Gandhi, A Sachdeva, A Gupta "Operationalization & Measurement of Service Quality in Manufacturing Supply Chains: A Conceptual Framework"
2018	IUP Journal of Organizational Behavior 17 (3), 45-73	SK Gandhi, A Sachdeva, A Gupta "Developing a Scale to Measure Employee Service Quality in Indian Small and Medium Manufacturing Enterprises"
2018	Journal of Manufacturing Technology Management	RS Mor, A Bhardwaj, S Singh, A Sachdeva "Productivity gains through standardization-of-work in a manufacturing company"
2018	International Journal of Quality & Reliability Management 35 (10), 2373-2387	A Bahl, A Sachdeva, RK Garg "Availability analysis of distillery plant using Petri nets"
2018	Benchmarking: An International Journal 25 (8), 2635-2659	H Singh, RK Garg, A Sachdeva "Framework to precede collaboration in supply chain"
2018	Uncertain Supply Chain Management 7 (2), 289-310	S Gandhi, A Sachdeva, A Gupta "Supplier service quality in supply chains of Indian SMEs: A dual direction dyadic perspective"
2018	Journal of Project Management 4 (2), 81-96	S Gandhi, A Sachdeva, A Gupta "Reduction of rejection of cylinder blocks in a casting unit: A six sigma DMAIC perspective"
2018	Uncertain Supply Chain Management, Vol 6, pp 149–180	Harjit Singh, Dr R K Garg, Dr Anish Sachdeva. "Supply chain collaboration: A state-of-the-art literature review"
2018	Uncertain Supply Chain Management, Vol. 6, pp 335–356	S. K. Gandhi, Dr Anish Sachdeva, Dr Ajay Gupta. "Distributor service quality in Indian SMEs: A bi-directional customer perspective"
2018	Management Science Letters, Vol. 8, pp 455–474	S. K. Gandhi, Dr Anish Sachdeva, Dr Ajay Gupta "Developing a scale to measure employee service quality in Indian SMEs"
2018	Int. J. of Logistics Systems and Management- (Inderscience), Accepted	S. K. Gandhi, Dr Anish Sachdeva, Dr Ajay Gupta. "Service Quality in Manufacturing Supply Chains: A Bi-directional perspective from Indian SMEs"
2018	International Journal of Quality and Reliability Management-(Emerald) Accepted	Ankur Bahl, Dr Anish Sachdeva, Prof R K Garg. "Availability Analysis of distillery plant using Petri Nets"
2018	Benchmarking-an International Journal (Emerald)	Harjit Singh, Dr R K Garg, Dr Anish Sachdeva. "Framework to precede collaboration in supply chain"
2018	Proceedings of 1st International Conference on Future Learning Aspects of Mechanical Engineering (Springer), Accepted	S K Gandhi, Dr Anish Sachdeva, Dr Ajay Gupta. "Supplier Service Quality in Indian SMEs: A Dual Directional Customer Perspective"
2017	International Journal of Logistics Systems and Management,27 (2),225-259	Sheetal Soda, Anish Sachdeva, Rajiv Kumar Garg, "Barriers analysis for green supply chain management implementation in power industry using ISM"
2016	Materials Science and Technology, 32(8), 760-772	S Singh, Vishal S Sharma, Anish Sachdeva, "Progress in selective laser sintering using metallic powders: A review"
2016	The Electricity Journal ,29 (4),43-50	Bottlenecks and remedies Sheetal Soda, Anish Sachdeva, Rajiv Kumar Garg, "Implementation of green supply chain management in India"
2016	International Journal of Industrial and Systems Engineering,23 (2),155-165	Amit Chopra, Anish Sachdeva, Arvind Bhardwaj, "Productivity enhancement using reliability centred maintenance in process industry"
2016	International Journal of Machining and Machinability of Materials,18,185-199	Naresh Kumar, Anish Sachdeva, Lakhwinder Pal Singh, Himanshu Tripathi, "Experimental investigation of effect of roller burnishing process parameters on surface roughness and surface hardness of C40E steel"
2016	International Journal of Industrial and Systems Engineering,23 (2),223-253	Sheetal Soda, Anish Sachdeva, Rajiv Kumar Garg, "Literature review of multi-aspect research works carried out on the concept and implementation of GSCM"

2016	International Journal of Industrial and Systems Engineering,23 (2),223-253	Sheetal Soda, Anish Sachdeva, Rajiv Kumar Garg, "Literature review of multi-aspect research works carried out on the concept and implementation of GSCM"
2016	International conference on latest development in MMQC, GZSCET Bathinda,1,447	Sheetal Soda, Anish Sachdeva, R K Garg, "Employee's Perception of GSCM status in Power Companies of Punjab"
2015	International Journal of Material Forming, 8(1), 157-166	Vishal S Sharma, Sharanjit Singh, Anish Sachdeva, Pramod Kumar, "Influence of sintering parameters on dynamic mechanical properties of selective laser sintered parts"
2015	Journal of Manufacturing Technology Management,26(6),889-910	Sheetal Soda, Anish Sachdeva, Rajiv Kumar Garg, "GSCM: practices, trends and prospects in Indian context"
2014	International Journal of Industrial and Systems Engineering,16(4),433-450	Manjinder Singh, Anish Sachdeva, Arvind Bhardwaj, "An interpretive structural modelling approach for analysing barriers in total productive maintenance"
2013	The International Journal of Advanced Manufacturing Technology,64 (9),1505–1516	Anish Sachdeva, Sharanjit Singh, Vishal S Sharma, "Investigating surface roughness of parts produced by SLS process"
2013	Materials and Manufacturing Processes,28(2),163-172	Sharanjit Singh, Vishal S Sharma, Anish Sachdeva, S K Sinha, "Optimization and analysis of mechanical properties for selective laser sintered polyamide parts"
2013	Measuring Business Excellence,17(1),51-71	Gaurav Tejpal, RK Garg, Anish Sachdeva, "Trust among supply chain partners: A review"
2012	Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture,226(3),431-444	Manu Dogra, Vishal S. Sharma, Anish sachdeva, Narinder Mohan Suri, "Tool life and surface integrity issues in continuous and interrupted finish hard turning with coated carbide and CBN tools"
2012	Materials and Manufacturing Processes,27(5),523-530	Manu Dogra, Vishal S. Sharma, Anish sachdeva, Narinder Mohan Suri, "Finish hard turning of continuous and interrupted surfaces with cubic boron nitride (CBN) and coated carbide"
2012	Materials and Manufacturing Processes,27(6),707-714	Sharanjit Singh, Vishal S Sharma, Anish Sachdeva, "Optimization and analysis of shrinkage in selective laser sintered polyamide parts"
2012	International Journal of Productivity and Quality Management,9(4) ,456-471	Manjinder Singh, Anish Sachdeva, Arvind Bhardwaj, "Measuring manufacturing performance with the implementation of TPM: an exploratory study"
2012	International Journal of Machining and Machinability of Materials,1,88-116	Manu Dogra, Vishal S. Sharma, Anish sachdeva, Narinder Mohan Suri, Suresh Dhiman, "Surface integrity a key issue in hard turning—a review"
2012	Journal of Manufacturing Technology Management,23(7),899-921	Rajesh Gupta, Anish Sachdeva, Arvind Bhardwaj, "Selection of logistic service provider using fuzzy PROMETHEE for a cement industry"
2012	International Journal of Industrial and Systems Engineering,12(2),223-242	Rajesh Gupta, Anish Sachdeva, Arvind Bhardwaj, "A framework for selection of logistics outsourcing partner in uncertain environment using TOPSIS"
2012	Journal of Manufacturing Technology Research,4,145	Sharanjit Singh, Anish Sachdeva, Vishal S Sharma, "A study on selective laser sintered parts for dimensional and surface characteristics"
2011	Journal of Engineering Science and Technology,6(1),11-16	Manu Dogra, Vishal S. Sharma, Anish sachdeva, J. S. Dureja, "TPM- A Key Strategy For Productivity Improvement In Process Industry"
2010	Journal of Hazardous Materials,173(1),258-264	Shailendra Bajpai, Anish Sachdeva, JP Gupta, "Security risk assessment: Applying the concepts of fuzzy logic"
2010	International Journal of Precision Engineering and Manufacturing,11(2),341-358	Manu Dogra, Vishal S Sharma, Anish Sachdeva, Narinder Mohan Suri, Jasminder Singh Dureja, "Tool wear, chip formation and workpiece surface issues in CBN hard turning: A review"

2010	The International Journal of Advanced Manufacturing Technology,50(5),611-624	RK Garg, KK Singh, Anish Sachdeva, Vishal S Sharma, Kuldeep Ojha, Sharanjit Singh, "Review of research work in sinking EDM and WEDM on metal matrix composite materials"
2009	The International Journal of Advanced Manufacturing Technology,45,156-169	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "Behavioral and performance analysis of feeding system using stochastic reward nets "
2009	Journal of Industrial Engineering International,5(8),5(3)	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "Multi-factor failure mode critically analysis using TOPSIS"
2008	Computers & Industrial Engineering,55(4),817-829	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "Planning and optimizing the maintenance of paper production systems in a paper plant"
2008	International Journal of Quality & Reliability Management,25(8),860-877	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "Reliability analysis of pulping system using Petri nets"
2008	Journal of Modelling in Management,3(1),26-39	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "Availability modeling of screening system of a paper plant using GSPN"
2008	International Journal of Productivity and Quality Management,3(4),396-412	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, "A methodology to determine maintenance criticality using AHP"

### Conference Publications :

Year	Conference	Publication
2016	International conference on latest development in MMQC, GZSCET Bathinda,1-447	Sheetal Soda, Anish Sachdeva, R K Garg,Employee's Perception of GSCM status in Power Companies of Punjab
2016	International Conference on Mechanical, Production and Industrial Engineering held at Pattaya, Thailand,1-1	Anish Sachdeva, Pradeep Kumar, Dinesh Kumar,Application of Stochastic Petri nets in Reliability Analysis of a Paper Plant
2016	Proceeding for International Conference on Emerging Trends in Engineering and Technology, Goa,1-5-9	Sheetal Soda, Anish Sachdeva, R K Garg,Status of Green Supply Chain Management Practices in Power Companies
2016	4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT, Jalandhar,1-41	Amit Chopra, Anish Sachdeva and Arvind Bhardwaj,Status of General and Preventive Maintenance issues in Indian process Industry
2016	4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT Jalandhar,1-65	Harjit Singh, R.K. Garg and Anish Sachdeva,Analyzing the hindrances of supply chain collaboration
2016	4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT Jalandhar,1-51	Rohit Sharma, Anish Sachdeva and Ajay Gupta,Lean manufacturing practices and organizational Performance-A Review
2016	4th International Conference on Production and Industrial Engineering (CPIE 2016), NIT Jalandhar,1-65	S. K. Gandhi, Anish Sachdeva and Ajay Gupta,Reinventing service quality models in supply chains of Indian SMES
2016	14th International Conference on Humanizing Work and Work Environment (HWWE-2016), NIT, Jalandhar,1-618-624	S. K. Gandhi, Anish Sachdeva and Ajay Gupta,The measurement of service quality: a critique of SERVQUAL
2016	14th International Conference on Humanizing Work and Work Environment (HWWE-2016), NIT, Jalandhar,1-630-634	Harjit Singh, R.K. Garg and Anish Sachdeva, Application of Supply chain Collaboration in Agriculture
2016	Proceedings of Sixteenth Global Conference on Flexible Systems Management (GLOGIFT -16), at University of Technology, Sydney1-686-705	Sheetal Soda, Anish Sachdeva and R. K. Garg, Green Supply Chain Management: Practices and Performances in Power Industry

2016	Proceedings of International Conference on Latest Development in material, manufacturing and Quality Control , GZSCCET, Bathinda, 1-212-218	Harjit Singh, R.K. Garg and Anish Sachdeva, Mitigating the bullwhip effect in supply chain: an interpretive structural modeling application
2015	15th Global Conference on flexible systems management, 1-19	Sushil, Sheetal Soda, Anish Sachdeva & R K Garg , Analysis of drivers of GSCM in power industry using TISM
2015	International Conference of Advance Research and Innovation, IE, Delhi, 1-123-125	S. K. Gandhi, Anish Sachdeva, Ajay Gupta, Building a Blue Print for Service Quality for Indian Small & Medium Manufacturing Enterprises
2015	International Conference on Emerging Trends in Engineering and Technology,CIT, Fatehgarh Sahib, 1-134-137	S. K. Gandhi, Anish Sachdeva and Ajay Gupta, Revisiting the service quality evaluating models in manufacturing supply chains of India SMEs
2014	18th Annual International Conference of Society of Operations Management, IIT Roorkee,1-24	Sheetal Soda, Anish Sachdeva and R K Garg, Green Supply Chain Management in Power Industry of Punjab:Evaluation of key drivers by using ISM
2014	18th Annual International Conference of Society of Operations Management, IIT Roorkee, 1-24	Harjit Singh, R K Garg, Anish Sachdeva,Understanding Supply Chain Collaboration
2013	IEEE International Conference on Industrial Engineering and Engineering Management, Bangkok, Thiland,1-915-918	Gaurav Tejpal, RK Garg, Anish Sachdeva,Factor Analysis of Rational Trust among Supply Chain Partners in Indian Industries
2013	International Conference on Research and Innovation, GNDEC Ludhiana,1-1	Gaurav Tejpal, RK Garg, Anish Sachdeva,Factor Analysis of Sourcing Flexibility among Supply Chain Partners in Indian Industries
2013	3rd International Conference on Production and Industrial Engineering CPIE - 2013, NIT Jalandhar,1-1445-1463	Manjinder Singh, Anish Sachdeva, Arvind Bhardwaj,Analyzing the Critical Success Factors for the Successful Implementation of Total Productive Maintenance
2013	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-1464-1474	Manjinder singh, Anish Sachdeva & Arvind Bhardwaj,Evaluating the Performance Effectiveness of Total Productive Maintenance and Other Quality Improvement Strategies
2013	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-705-712	Anish Sachdeva and Amit Sharma,Selection of the Best Material for an Axle in Motorcycle using fuzzy AHP and fuzzy TOPSIS Methods
2013	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-1255-1262	Anubhav Taheem, Anish Sachdeva, and Subhash Chander,Performance Evaluation of a Furnace Using Flame Directly Impinging On a Surface -A Case Study of Forging Industry
2013	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-1295-1304	Harjit Singh, Anish Sachdeva, R K Garg,Indexing Service Level of Banking System
2013	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-1490-1500	Rajesh Babbar, Anish Sachdeva, Ashish Bhateja,Performance Evaluation of Production System using Lambda Tau Methodology – A Case from Paper Industry
2013	International Conference on Recent Advances in Composite Materials, ICC, Goa,1-1	Anish Sachdeva, Amit Sharma, Anubhav Taheem,Synthesis-Characterization & Machining of Aluminium-Fly Ash Composite
2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013),1-491-494	Harjit Singh, Arvind Bhardwaj, and Anish Sachdeva,Benchmarking internal supply chain performance using financial data

2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013),1-1053-62	Manu Dogra, Vishal S. Sharma, Anish Sachdeva and N.M. Suri,Machining performance of coated carbide and CBN inserts in terms of tool wear and surface integrity in finished turning of hardened steel
2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013),1-473-490	Gaurav Tejpal , R K Garg, and Anish Sachdeva,Factor Analysis of Trust among Supply Chain Partners
2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013),1-616-624	Harjit Singh, R K Garg, Anish Sachdeva, and Sheetal Soda,Green Supply Chain Management-a Literature Review
2013	3rd International Conference on Production and Industrial Engineering (CPIE-2013),1-499-508	Sheetal Soda, R. K. Garg, Anish Sachdeva, and Harjit Singh,Green Supply Chain Management Practices: Trends and Prospects in Indian Context
2012	AES-ATEMA International Conference Series - Advances and Trends in Engineering Materials and their Applications (2012),1-1	Vishal Sharma, Anish Sachdeva,Comparative analysis of turning under minimum quantity of lubrication, flood cooling and dry conditions
2012	Proceeding of International Conference on Advances in Supply Chain and Manufacturing Management (ICASCMM 2011), IIT Kharagpur,1-1	Rajesh Gupta, Anish Sachdeva, and Arvind Bhardwaj,Solving MCDM problems using PROMETHEE with non crisp data
2011	International Conference on Advances in Supply Chain and Manufacturing Management (ICASCMM 2011), IIT, Kharagpur,1-1	Gaurav Tejpal, R. K. Garg and Anish Sachdeva,Supply Chain Flexibility: A literature review and implications for future research
2010	International Conference on Production and Industrial Engineering, NIT Jalandhar,1-601-615	Manu Dogra, Vishal S Sharma,Anish Sachdeva, N.M. Suri, Suresh Dhiman,Surface Integrity a key issue in hard turning - A Review
2010	World Congress on Engineering and Computer Science, San Francisco, USA,2-1092-1097	Rajesh Gupta, Anish Sachdeva, Arvind Bhardwaj,Selection of 3PL Service Provider using Integrated Fuzzy Delphi and Fuzzy TOPSIS
2010	2nd International Conference on Production and Industrial Engineering (CPIE-2010), NIT Jalandhar,1-179-185	Navin Kumar, Dinesh Kumar Shukla and Anish Sachdeva,Localized Alloying of mild steel by hard facing; a parametric optimization
2010	International Conference on Production and Industrial Engineering (CPIE-2010), NIT Jalandhar,1-1-8	Rajesh Gupta, Arvind Bhardwaj and Anish Sachdeva,Fuzzy PROMETHEE: MCDM technique for selection of logistic service provider for milk processing industry
2009	IEEE International Conference on Industrial Engineering and Engineering Management (IEEM 2009), Honkong,1-199-203	Anish Sachdeva, Pradeep Kumar, Dinesh Kumar,Maintenance criticality analysis using TOPSIS
2009	Portland International Conference on Management of Engineering & Technology, PICMET - 2009, Portland, OR, USA,1-650-657	Ali Haider Rizvi, Anish Sachdeva,Optimization of Retail Clusters by Improving Individual Store Performance
2007	3rd International Conference on Reliability and Safety Engineering(INCRESE 2007),IIT Kharagpur,1-495 – 505	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar and RS Bhatti,Multi Factor Failure Mode Criticality Analysis Using Fuzzy TOPSIS
2007	Safety and Reliability Engineering Conference ESREL 2007, European Safety and Reliability Association (ESRA), Stavanger, Norway,3-1087-1094	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar,Reliability Modeling of an Industrial System with Petri Nets
2007	Global Conference on Production and Industrial Engineering (CPIE-2007), NIT Jalandhar,1-42	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar,Decision support system for maintenance using AHP
2007	Global Conference on Production and Industrial Engineering (CPIE-2007), NIT, Jalandhar 1-69	Divanshu Mittal, M.N.Qureshi, Anish Sachdeva,Resolving Customer Satisfaction through Quality Function Deployment- A case study of service sector

2007	Global Conference on Production and Industrial Engineering (CPIE-2007), NIT, Jalandhar,1-68	Divanshu Mittal, Pradeep Kumar, Navneet Arora,Anish Sachdeva,Design and Development of Human Comfort Posture in Overhead Drilling
2007	Global Conference on Production and Industrial Engineering (CPIE-2007), NIT, Jalandhar,1-60	Kiranjeet Kaur, Tejeet Singh, Anish Sachdeva,A Critical Analysis of Reward Systems as a Tool for Promoting Desired Organizational Performance- A case study
2007	Portland International Conference on Management of Engineering & Technology PICMET - 2007, Portland, OR, USA,1-2031-2037	Lakhwinder Pal Singh, Arvind Bhardwaj, Anish Sachdeva,The Impact of ISO Implementation on Output Parameters in SME's in India
2006	22nd AIMTDR conference, IIT Roorkee,1-839-844	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar,Performance Analysis of an Industrial System Using GSPN
2006	International Conference on Reliability and Safety Engineering (INCRESE 2006), IIT, Kharagpur,1-424-434	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar,Behavioral Analysis of a Feeding System with Stochastic Reward Nets
2006	7th International Conference on Operations and Quantitative Management (ICOQM-7), Jaipur,1-755-761	Anish Sachdeva, Dinesh Kumar, Pradeep Kumar, RAM Analysis of an Industrial System using GSPN
2006	Portland international conference on management of Engineering and Technology (PICMET-06), Portland,1-2393-2399	L. P Singh, A. Bhardwaj, Anish Sachdeva,Quality management practices v/s Performance of SMEs (an empirical study of Indian Industries)
2005	14th ISME International Conference on Mechanical Engineering, DCE, Delhi,1-343-349	L. P Singh, A. Bhardwaj, Anish Sachdeva,The Impact of Various Productivity Improvement Techniques on Output Parameters in SMEs
2004	7th international symposium on Transport Noise and Vibration, St. Petersburg, Russia,1-1-9	Raman Bedi, D.K. Shukla, Anish Sachdeva,Effect Of Impact Noise On Humans- A Case Study For Drop Forge Hammers

### Book/Chapter Publications :

Type	Title	Publisher	Authors	ISBN/ISS N No.	Year
Book Chapter	Improvement of Climate-Smart Agriculture System Based on Obstacles Assessment	Recent Advances in Operations Management Applications(Springer)	Singh, Shubhendu, Mohit Tyagi, and Anish Sachdeva.	ISBN: 978-981-16-7059-6	2022
Book Chapter	Reliability analysis of cutting system of sugar industry using intuitionistic fuzzy Lambda–Tau approach	The Handbook of Reliability, Maintenance, and System Safety through Mathematical Modeling(Academic Press)	Dinesh Kumar Kushwaha, Dilbagh Panchal and Anish Sachdeva	ISBN 978-0-12-819582-6	2021
Book Chapter	Estimation of Critical Key Performance Factors of Food Cold Supply Chain Using Fuzzy AHP Approach	Advances in Manufacturing and Industrial Engineering(Springer)	Neeraj Kumar, Mohit Tyagi and Anish Sachdeva	ISBN 978-981-15-8541-8	2021



Book Chapter	A Framework Development and Assessment for Cold Supply Chain Performance System: A Case of Vaccines	Operations Management and Systems Engineering(Springer)	Neeraj Kumar, Mohit Tyagi, R K Garg, Anish Sachdeva, Dilbagh Panchal	ISBN: 978-981-15-6017-0	2021
Book	Optimization Methods in Engineering	Springer	Mohit Tyagi, Anish Sachdeva and Vishal Sharma	ISBN: 978-981-15-6017-0	2021
Book	Benchmarking the Interactions Among Drivers in Supply Chain Collaboration	Operations Management and Systems Engineering (Springer)	R K Garg, Anish Sachdeva, Harjit Singh		2019
Book Chapter	A Novel Framework for Evaluation of Failure Risk in Thermal Power Industry	Operations Management and Systems Engineering (Springer)	D Panchal, M Tyagi, A Sachdeva		2019
Book Chapter	Modeling and Analysis of Critical Success Factors for Implementing the IT-Based	Operations Management and Systems Engineering (Springer)	M Tyagi, D Panchal, RP Singh, A Sachdeva		2019
Book Chapter	Operationalization and Measurement of Service Quality in Manufacturing Supply Chains: A Conceptual Framework	Operations Management and Systems Engineering (Springer)	A Sachdeva, SK Gandhi		2019
Book Chapter	Modeling and Analysis of Critical Success Factors for Implementing the IT-Based	Operations Management and Systems Engineering (Springer)	M Tyagi, D Panchal, RP Singh, A Sachdeva		2019
Book Chapter	"Green Supply Chain Management Drivers Analysis Using TISM" in 'Flexibility in Resource Management'	Springer, New York, NY	Sheetal Soda, Anish Sachdeva and R K Garg	(Print ISBN: 978-1-4614-0372-2 Electronic ISBN: 978-1-4614-0373-9	2017
Book	Proceedings of the 4th International Conference on Production and Industrial Engineering (CPIE-2016)	NIT Jalandhar, INDIA	R K Garg, Arvind Bhardwaj, Anish Sachdeva, Ajay Gupta, Vishal S Sharma	ISBN: 978-93-5267-403-9	2016
Reference Book	"Advances in Operations Management Research" of 'Journal of Manufacturing Technology Management', Volume 26 Issue 6	Emerald Group Publishing Limited	Anish Sachdeva, Vishal Sharma. Rajeev Kumar Garg	ISSN: 1741-038X	2015

Book	Proceedings of the 3rd International Conference on Production and Industrial Engineering (CPIE-2013)	NIT Jalandhar, INDIA	R K Garg, Anish Sachdeva, Ajay Gupta, Vishal S Sharma	ISBN: 978-81-92 0453-1-3	2013
Reference Book	Journal of Manufacturing Technology Management, Volume 23 Issue 7	Emerald Group Publishing Limited	Anish Sachdeva, Vishal S Sharma, Arvind Bhardwaj	ISSN: 1741-038X	2012
Reference Book	Machining: Challenges, Issues and Trends International Journal of Machining and Machinability of Materials 2012 Vol. 12 No. 1/2	Inderscience (UK)	Arvind Bhardwaj, Vishal S. Sharma, Anish Sachdeva , J. Paulo Davim		2012
Reference Book	Productivity Improvement Measure and performance of SMEs	Lap Lambert Academic Publishing	Lakhwinder Pal Singh, Arvind Bhardwaj and Anish Sachdeva.	(ISBN No.978-3-6 59-11436-6	2012
Book Chapter	A Framework for the Selection of Logistic Service Provider Using Fuzzy Delphi and Fuzzy TOPSIS	Springer, New York, NY	Rajesh Gupta, Anish Sachdeva and Arvind Bhardwaj	Print ISBN: 978-1-461 4-0372-2, Electronic ISBN: 978-1-461 4-0373-9	2011
Book	Proceedings of the 2nd International Conference on Production and Industrial Engineering (CPIE-2010)	NIT Jalandhar, INDIA	Arvind Bhardwaj, Anish Sachdeva, Vishal S Sharma	ISBN:978-81-920453 -0-6	2010

### Events Organized :

Category	Type	Title	Venue	From	To	Designation
Workshop	National	Lean Green Belt –Six Sigma Certification Programme	NIT, Jalandhar	07 Apr, 2017	22 Apr,2017	Co-ordinator
STC	National	Operations and Supply Chain Management	NIT, Jalandhar	05 Sep,2016	09 Sep,2016	Co-ordinator
STC	National	Perspectives of Machining: Present and Future	NIT, Jalandhar	11 July, 2016	15 Jul, 2016	Co-ordinator
STC	National	Fundamentals and Application of Finite element methods	NIT, Jalandhar	13 Jun, 2017	17 Jun, 2017	Co-ordinator
Workshop	National	Lean Green Belt –Six Sigma Certification Programme	NIT, Jalandhar	14 Apr, 2016	24 Apr, 2016	Co-ordinator
STC	National	Application of Six Sigma in Indian Industry	NIT, Jalandhar	09 Jun, 2014	13 Jun, 2014	Co-ordinator
STC	National	Recent Advances in Industrial Engineering	NIT, Jalandhar	08 Jul, 2013	12 Jul, 2013	Co-ordinator
STC	National	Human Factor Engineering	NIT, Jalandhar	01 Jul, 2013	05 Jul, 2013	Co-ordinator

STC	National	Industrial Engineering in Current Business Paradigm - Issues and Challenges	NIT, Jalandhar	12 Jun, 2010	16 Jun, 2010	Co-ordinator
STC	National	Perspectives of Metal Cutting - present and Future	NIT, Jalandhar	12 Jun, 2010	16 Jun, 2010	Co-ordinator
STC	National	Enhancing Competitiveness thro' Change Management	NIT, Jalandhar	07 Jun, 2010	11 Jun, 2010	Co-ordinator
STC	National	Enhancing Organizational Competitiveness in the era of Globalization & Liberalization	NIT, Jalandhar	04 Jan, 2010	09 Jan, 2010	Co-ordinator
STC	National	Enhancing Competitiveness in Manufacturing & Service Organizations	NIT, Jalandhar	20 Jul, 2009	24 Jul, 2009	Co-ordinator
STC	National	Supply Chain Management: Issues and Challenges	NIT, Jalandhar	13 Jul, 2009	17 Jul, 2009	Co-ordinator
Conference	International	2nd International conference on Production and Industrial Engineering, CPIE - 2010	NIT, Jalandhar	03 Dec, 2010	05 Dec, 2010	Organising Secretary
Conference	International	3rd International conference on Production and Industrial Engineering, CPIE - 2013	NIT, Jalandhar	29 Mar, 2013	31 Mar, 2013	Co-ordinator
Conference	International	4th International conference on Production and Industrial Engineering, CPIE - 2016	NIT, Jalandhar	19 Dec, 2016	21 Dec, 2016	Co-ordinator
Conference	International	14th annual International Ergonomics Conference ' Humanizing Work and Work Environment ' (HWWE 2016)	NIT, Jalandhar	08 Dec, 2016	11 Dec, 2016	Co-ordinator
Conference	International	5th International conference on Production and Industrial Engineering, CPIE - 2018	Bangkok	26 June, 2018	28 June, 2018	Co-ordinator

Conference	International	14th annual International Ergonomics Conference ‘ Humanizing Work and Work Environment ’ (HWWE 2016)	NIT, Jalandhar	08 Dec, 2016	11 Dec, 2016	Co-ordinator
Conference	International	14th annual International Ergonomics Conference ‘ Humanizing Work and Work Environment ’ (HWWE 2016)	NIT, Jalandhar	08 Dec, 2016	11 Dec, 2016	Co-ordinator
Conference	International	4th International conference on Production and Industrial Engineering, CPIE - 2016	NIT, Jalandhar	19 Dec, 2016	21 Dec, 2016	Co-ordinator
Conference	International	5th International Conference on Production and Industrial Engineering (CPIE-2018)	Thiland, Bankok	26 June, 2018	28 June, 2018	Co-ordinator
Workshop	National	Emerging Trends in Industrial Systems” (ETIS-18)	NIT jalandhar	09 July, 2018	13 July, 2018	Co-ordinator
Workshop	National	Quality Reliability and Maintainability Aspects in Industry” (QRMAI-18)	NIT Jalandhar	02 July, 2018	06th July, 2018	Co-ordinator
Conference	International	6th International Conference on Production and Industrial Engineering (CPIE-2019)		8 June, 2019	10 June, 2019	Co-ordinator

### Professional Affiliations :

Designation	Organization
Member	International Association of Engineers (IAENG)
Member	Global Institute of Flexible System Management (GIFT)
Life Member	Indian Institute of Industrial Engineers
Life Member	Indian Society for Technical Education
Editorial Board Member	International Journal of Forensic Engineering and Management (Inderscience)
Editorial Board Member	International Journal of Applied Industrial Engineering (IJAIE)

### PhD Supervised :

Scholar Name	Research Topic	Status	Year	Co-Supervisor
Surjeet Kumar gandhi	Impact of service quality attributes on loyalty in the supply chains of small medium manufacturing enterprises	Completed	2019	Dr Ajay Gupta
Harjit Singh	The impact of information sharing on supply chain performance	Completed	2019	Dr R K garg

Rohit Sharma	Impact of lean manufacturing on operational performance in Indian automotive units	Completed	2018	
Ankur Bahl	Availability modelling of operating system of distillery plant using petri net and dempster shafer approach	Completed	2018	Dr R K garg
Sheetal Soda	Optimizing Organisational Performance Measures by Implementing Green Supply Chain Management	Completed	2017	Dr R K Garg
Amit Chopra	Productivity Enhancement in Indian Process Industry through Reliability Centered Maintenance (RCM)	Completed	2016	Dr Arvind Bhardwaj
Rajeev Trehan	Study of Cost of quality (CoQ) in Indian Engineering Industry	Completed	2015	Dr R K Garg
Gaurav Tejpal	Impact of Flexibility, Trust and Information Technology for enhancing supply chain performance in Indian Industries.	Completed	2015	Dr R K Garg
Manjinder Singh	A Study on the Role of Total Productive Maintenance in Enhancing Manufacturing Performance	Completed	2013	Dr Arvind Bhardwaj
Rajesh Gupta	A study of logistic and its outsourcing towards Supply Chain Performance and Economic Development	Completed	2013	Dr Arvind Bhardwaj
Sharanjit Singh	Parameterization and characterization of selective laser sintered parts	Completed	2011	Dr Vishal Sharma
Manu Dogra	Investigation of tool wear and surface quality in hard turning	Completed	2011	Dr Vishal Sharma

### Admin. Responsibilities :

Position Held	Organization	From	To
Associate Dean (Academic -UG)	NIT Jalandhar	February, 2018	januray, 2019
Chief Warden	NIT Jalandhar	September, 2012	February, 2018
RC Incharge – CSAB 2018/ JoSSA 2018 admissions	NIT Jalandhar	June, 2018	
Nodal Officer (Procurement) - TEQIP – III	NIT Jalandhar	November, 2017	Till Date
Industry Institute Interaction, TEQIP-II	NIT Jalandhar		
Deputy Chief Warden	NIT Jalandhar	September, 2010	September, 2012
Chief Warden	NIT Jalandhar	September, 2012	February, 2018
Associate Dean (Academic -PG)	NIT Jalandhar	january, 2019	Till Date