

# Surya Prakash Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

3,682  
citations

136950

32  
h-index

155660

55  
g-index

116  
all docs

116  
docs citations

116  
times ranked

2462  
citing authors

#	ARTICLE	IF	CITATIONS
1	A resilient pricing and service quality level decision for fresh agri-product supply chain in post-COVID-19 era. <i>International Journal of Logistics Management</i> , 2023, 34, 1101-1140.	6.6	14
2	Forecasting the impact of epidemic outbreaks on the supply chain: modelling asymptomatic cases of the COVID-19 pandemic. <i>International Journal of Production Research</i> , 2023, 61, 2670-2695.	7.5	10
3	Customer satisfaction – dilemma of comparing multiple scale scores. <i>Total Quality Management and Business Excellence</i> , 2023, 34, 32-56.	3.8	3
4	Location of competitive facilities: a comprehensive review and future research agenda. <i>Benchmarking</i> , 2023, 30, 1171-1230.	4.6	2
5	Designing dynamic reverse logistics network for post-sale service. <i>Annals of Operations Research</i> , 2022, 310, 89-118.	4.1	16
6	Disaster resilient proactive and reactive procurement models for humanitarian supply chain. <i>Production Planning and Control</i> , 2022, 33, 576-589.	8.8	20
7	A stochastic disaster-resilient and sustainable reverse logistics model in big data environment. <i>Annals of Operations Research</i> , 2022, 319, 853-884.	4.1	24
8	Towards the next generation of manufacturing: implications of big data and digitalization in the context of industry 4.0. <i>Production Planning and Control</i> , 2022, 33, 101-104.	8.8	60
9	Trajectory of research on maritime transportation in the era of digitization. <i>Benchmarking</i> , 2022, 29, 194-216.	4.6	4
10	Cognitive aspects of Lean Six Sigma. <i>Quality and Quantity</i> , 2022, 56, 607-666.	3.7	9
11	Industry 4.0 model for integrated circular economy-reverse logistics network. <i>International Journal of Logistics Research and Applications</i> , 2022, 25, 837-877.	8.8	24
12	A location-allocation model for influenza pandemic outbreaks: A case study in India. <i>Operations Management Research</i> , 2022, 15, 487-502.	8.5	11
13	Sharing economic responsibility: Assessing end user's willingness to support E-waste reverse logistics for circular economy. <i>Journal of Cleaner Production</i> , 2022, 332, 130057.	9.3	30
14	Analysis of Competitiveness in Agri-Supply Chain Logistics Outsourcing: A B2B Contractual Framework. <i>Sustainability</i> , 2022, 14, 6866.	3.2	4
15	An integrated fuzzy-ANP and fuzzy-ISM approach using blockchain for sustainable supply chain. <i>Journal of Enterprise Information Management</i> , 2021, 34, 54-78.	7.5	59
16	Multi-stage hybrid model for supplier selection and order allocation considering disruption risks and disruptive technologies. <i>International Journal of Production Economics</i> , 2021, 231, 107830.	8.9	90
17	Carbon management framework for sustainable manufacturing using life cycle assessment, IoT and carbon sequestration. <i>Benchmarking</i> , 2021, 28, 1396-1409.	4.6	12
18	Industry 4.0 – challenges to implement circular economy. <i>Benchmarking</i> , 2021, 28, 1717-1739.	4.6	110

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19	A clean global production network model considering hybrid facilities. Journal of Cleaner Production, 2021, 281, 124463.	9.3	3
20	Understanding relationship between risks and claims for assessing risks with project data. Engineering, Construction and Architectural Management, 2021, 28, 1014-1037.	3.1	4
21	Analysis of fuzzy applications in the agri-supply chain: A literature review. Journal of Cleaner Production, 2021, 283, 124577.	9.3	29
22	Hierarchy of Critical Success Factors (CSF) for Lean Six Sigma (LSS) in Quality 4.0. International Journal of Global Business and Competitiveness, 2021, 16, 1-14.	2.4	14
23	Critical success factors for lean six sigma in quality 4.0. International Journal of Quality and Service Sciences, 2021, 13, 123-156.	2.4	46
24	Analyzing glacial lake outburst flood triggers for sustainable disaster risk mitigation: an interpretive structural modelling based approach. Management of Environmental Quality, 2021, 32, 1284-1297.	4.3	3
25	Estimation of E-waste at micro level for reverse logistics: A case of Delhi. Journal of Cleaner Production, 2021, 314, 128063.	9.3	15
26	Selection of healthcare waste disposal firms using a multi-method approach. Journal of Environmental Management, 2021, 295, 113117.	7.8	15
27	Multi-echelon agri-food supply chain network design integrating operational and strategic objectives: a case of public distribution system in India. Annals of Operations Research, 2021, , 1-58.	4.1	6
28	Identifying infrastructural gap areas for smart and sustainable tribal village development: A data science approach from India. International Journal of Information Management Data Insights, 2021, 1, 100041.	9.7	12
29	Sustainable stochastic production and procurement problem for resilient supply chain. Computers and Industrial Engineering, 2020, 139, 105560.	6.3	46
30	Understanding the role of contractor capability in risk management: a comparative case study of two similar projects. Construction Management and Economics, 2020, 38, 223-238.	3.0	11
31	Blockchain critical success factors for sustainable supply chain. Resources, Conservation and Recycling, 2020, 152, 104505.	10.8	238
32	Distribution network model using big data in an international environment. Science of the Total Environment, 2020, 707, 135549.	8.0	14
33	A cross-temporal hierarchical framework and deep learning for supply chain forecasting. Computers and Industrial Engineering, 2020, 149, 106796.	6.3	32
34	Industry 4.0 Model for circular economy and cleaner production. Journal of Cleaner Production, 2020, 277, 123853.	9.3	75
35	Impact of Industry4.0/ICTs, Lean Six Sigma and quality management systems on organisational performance. TQM Journal, 2020, 32, 815-835.	3.3	64
36	An interpretive structural modeling of drivers and barriers of sustainable supply chain management. Management of Environmental Quality, 2020, 31, 1071-1090.	4.3	17

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37	Optimal contract design for the exchange of tradable truck permits at multiterminal ports. International Journal of Production Economics, 2020, 230, 107815.	8.9	4
38	From predictive to prescriptive analytics: A data-driven multi-item newsvendor model. Decision Support Systems, 2020, 136, 113340.	5.9	25
39	Deep learning with long short-term memory networks and random forests for demand forecasting in multi-channel retail. International Journal of Production Research, 2020, 58, 4964-4979.	7.5	73
40	Preface: sustainable operations in manufacturing enterprise. Annals of Operations Research, 2020, 290, 1-4.	4.1	4
41	Identifying Industry 4.0 IoT enablers by integrated PCA-ISM-DEMATEL approach. Management Decision, 2019, 57, 1784-1817.	3.9	96
42	Cellular facility layout problem: a case of tower manufacturing industry. Management of Environmental Quality, 2019, 30, 1345-1360.	4.3	2
43	Evaluating indicators for international manufacturing network under circular economy. Management Decision, 2019, 57, 811-839.	3.9	52
44	Modified SA Algorithm for Bi-objective Robust Stochastic Cellular Facility Layout in Cellular Manufacturing Systems. Advances in Intelligent Systems and Computing, 2019, , 19-33.	0.6	2
45	Modelling joint outsourcing and offshoring decisions. International Journal of Production Research, 2019, 57, 4278-4309.	7.5	24
46	An integrated NPV-based supply chain configuration with third-party logistics services. Journal of Revenue and Pricing Management, 2019, 18, 367-375.	1.1	5
47	Diversification-based learning simulated annealing algorithm for hub location problems. Benchmarking, 2019, 26, 1995-2016.	4.6	5
48	An environmentally sustainable manufacturing network model under an international ecosystem. Clean Technologies and Environmental Policy, 2019, 21, 1237-1257.	4.1	10
49	Connecting circular economy and industry 4.0. International Journal of Information Management, 2019, 49, 98-113.	17.5	358
50	Studying the interrelationship between third party logistic service provider enablers using ISM methodology. Journal of Modelling in Management, 2019, 15, 182-200.	1.9	4
51	Forecasting container throughput with long short-term memory networks. Industrial Management and Data Systems, 2019, 120, 425-441.	3.7	33
52	A stochastic optimisation model for biomass outsourcing in the cement manufacturing industry with production planning constraints. Energy, 2019, 169, 515-526.	8.8	23
53	Proactive and reactive models for disaster resilient supply chain. Annals of Operations Research, 2019, 283, 199-224.	4.1	88
54	Formulating multi-objective stochastic dynamic facility layout problem for disaster relief. Annals of Operations Research, 2019, 283, 837-863.	4.1	16

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55	Dynamic supplier selection and lot-sizing problem considering carbon emissions in a big data environment. <i>Technological Forecasting and Social Change</i> , 2019, 144, 573-584.	11.6	44
56	Integrated decisions for supplier selection and lot-sizing considering different carbon emission regulations in Big Data environment. <i>Computers and Industrial Engineering</i> , 2019, 128, 1052-1062.	6.3	81
57	Sustainable procurement and logistics for disaster resilient supply chain. <i>Annals of Operations Research</i> , 2019, 283, 309-354.	4.1	98
58	Flexible dynamic sustainable procurement model. <i>Annals of Operations Research</i> , 2019, 273, 651-691.	4.1	23
59	Modelling the drivers for sustainable agri-food waste management. <i>Benchmarking</i> , 2018, 25, 981-993.	4.6	38
60	Environmentally sustainable stochastic procurement model. <i>Management of Environmental Quality</i> , 2018, 29, 472-498.	4.3	7
61	Deriving the hierarchical relationship of factors of fly ash handling. <i>Management of Environmental Quality</i> , 2018, 29, 444-455.	4.3	3
62	Integrated dynamic vendor selection and order allocation problem for the time dependent and stochastic data. <i>Benchmarking</i> , 2018, 25, 777-796.	4.6	17
63	Integrated SEM-FTOPSIS framework for modeling and prioritization of risk sources in medical device development process. <i>Benchmarking</i> , 2018, 25, 178-200.	4.6	25
64	Modeling big data enablers for operations and supply chain management. <i>International Journal of Logistics Management</i> , 2018, 29, 629-658.	6.6	84
65	Evaluating elements of national food control system: Indian context. <i>Food Control</i> , 2018, 90, 121-130.	5.5	9
66	Integrating big data analytic and hybrid firefly-chaotic simulated annealing approach for facility layout problem. <i>Annals of Operations Research</i> , 2018, 270, 489-514.	4.1	43
67	Heuristic modeling for sustainable procurement and logistics in a supply chain using big data. <i>Computers and Operations Research</i> , 2018, 98, 301-321.	4.0	96
68	Modelling Sustainable Procurement: A Case of Indian Manufacturing Firm. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 221-229.	0.6	0
69	Modeling Stochastic Dynamic Facility Layout Using Hybrid Fireworks Algorithm and Chaotic Simulated Annealing: A Case of Indian Garment Industry. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 31-40.	0.6	0
70	Simulated Annealing-Based Embedded Meta-Heuristic Approach to Solve Bi-objective Robust Stochastic Sustainable Cellular Layout. <i>Global Journal of Flexible Systems Management</i> , 2018, 19, 69-93.	6.3	9
71	Goal-based approach for environmentally sustainable stochastic procurement problem. <i>International Journal of Services and Operations Management</i> , 2018, 30, 226.	0.2	1
72	EQ&OR: environmental quality and operations research. <i>Management of Environmental Quality</i> , 2018, 29, 386-387.	4.3	0

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73	Modeling critical factors for assessing Indian food safety practices. International Journal of Quality and Reliability Management, 2018, 35, 2272-2288.	2.0	4
74	Sustainable robust layout using Big Data approach: A key towards industry 4.0. Journal of Cleaner Production, 2018, 204, 643-659.	9.3	86
75	Food safety assessment in India: modelling enablers. Benchmarking, 2018, 25, 2478-2495.	4.6	12
76	A similarity score-based two-phase heuristic approach to solve the dynamic cellular facility layout for manufacturing systems. Engineering Optimization, 2017, 49, 1848-1867.	2.6	26
77	Modeling low carbon procurement and logistics in supply chain: A key towards sustainable production. Sustainable Production and Consumption, 2017, 11, 5-17.	11.0	24
78	Enlightening grey portions of energy security towards sustainability. International Journal of Energy Sector Management, 2017, 11, 118-142.	2.3	8
79	Optimal selection of multi-criteria unequal area facility layout problem: an integer linear program and Borda-Kendall-based method. International Journal of Business and Systems Research, 2017, 11, 62.	0.3	5
80	Integrated SA-DEA-TOPSIS-based solution approach for multi objective stochastic dynamic facility layout problem. International Journal of Business and Systems Research, 2017, 11, 82.	0.3	12
81	Fuzzy Modeling for Low-Carbon Dynamic Procurement Problem. International Journal of Fuzzy Systems, 2017, 19, 1238-1248.	4.0	5
82	Big data in operations and supply chain management: current trends and future perspectives. Production Planning and Control, 2017, 28, 877-890.	8.8	142
83	Formulating and solving sustainable stochastic dynamic facility layout problem: a key to sustainable operations. Annals of Operations Research, 2017, 253, 621-655.	4.1	35
84	Designing Flexible Stochastic Dynamic Layout: An Integrated Firefly and Chaotic Simulated Annealing-Based Approach. Global Journal of Flexible Systems Management, 2017, 18, 89-98.	6.3	10
85	Designing robust stochastic bi-objective cellular layout in manufacturing systems. International Journal of Management Concepts and Philosophy, 2017, 10, 147.	0.1	4
86	A multi-objective integer linear program to integrate supplier selection and order allocation with market demand in a supply chain. International Journal of Procurement Management, 2017, 10, 335.	0.2	18
87	Low-Carbon Logistics Network for Smart Cities: A Conceptual Framework. , 2017, , 199-212.		0
88	Big Data analytics in supply chain management: some conceptual frameworks. International Journal of Automation and Logistics, 2016, 2, 279.	0.2	21
89	Flexible Sustainable Supply Chain Network Design: Current Trends, Opportunities and Future. Global Journal of Flexible Systems Management, 2016, 17, 109-112.	6.3	30
90	Sustainable coal consumption and energy production in India using life cycle costing and real options analysis. Sustainable Production and Consumption, 2016, 6, 26-37.	11.0	14

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91	“Systematic inquiry for energy security and sustainability” (a case study approach for India using) Tj ETQq1 1 0,784314 rgBT /Overle	3.0	9
92	Precise decisions in Indian energy sector by imprecise evaluation. International Journal of Energy Sector Management, 2016, 10, 118-142.	2.3	18
93	Modeling Flexible Procurement Problem. Flexible Systems Management, 2016, , 147-170.	0.2	5
94	An Integer Linear Program for Integrated Supplier Selection: A Sustainable Flexible Framework. Global Journal of Flexible Systems Management, 2016, 17, 113-134.	6.3	55
95	Chance constraint-based multi-objective stochastic model for supplier selection. International Journal of Advanced Manufacturing Technology, 2015, 79, 1707-1719.	3.0	26
96	Hybrid clustering algorithm and Neural Network classifier for satellite image classification. , 2015, , .		3
97	Fuzzy-TISM: A Fuzzy Extension of TISM for Group Decision Making. Global Journal of Flexible Systems Management, 2015, 16, 97-112.	6.3	128
98	A new approach to determine the quality value of cotton fibres using multi-criteria decision making and genetic algorithm. Fibers and Polymers, 2014, 15, 2658-2664.	2.1	15
99	A mixed-integer non-linear program to model dynamic supplier selection problem. Expert Systems With Applications, 2014, 41, 671-678.	7.6	127
100	Food safety regulatory model in India. Food Control, 2014, 37, 401-413.	5.5	60
101	Modeling Flexible Supplier Selection Framework. Global Journal of Flexible Systems Management, 2014, 15, 261-274.	6.3	36
102	A non-greedy systematic neighbourhood search heuristic for solving facility layout problem. International Journal of Advanced Manufacturing Technology, 2013, 68, 1665-1675.	3.0	8
103	Modified simulated annealing based approach for multi objective facility layout problem. International Journal of Production Research, 2013, 51, 4273-4288.	7.5	25
104	A new heuristic approach for solving facility layout problem. International Journal of Advanced Operations Management, 2013, 5, 137.	0.3	7
105	Non-greedy systematic neighbourhood search heuristic for multi-objective facility layout problem. International Journal of Services and Operations Management, 2012, 12, 118.	0.2	2
106	A Non-greedy Local Search Heuristic for Facility Layout Problem. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 176-181.	0.3	0
107	Three-level AHP-based heuristic approach for a multi-objective facility layout problem. International Journal of Production Research, 2011, 49, 1105-1125.	7.5	42
108	An Approximate Algorithm for Solving Dynamic Facility Layout Problem. Communications in Computer and Information Science, 2010, , 504-509.	0.5	0

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109	An improved heuristic approach for multi-objective facility layout problem. International Journal of Production Research, 2010, 48, 1171-1194.	7.5	59
110	Ant System Embedded with Local Search for Solving Facility Layout Problem. Communications in Computer and Information Science, 2010, , 621-628.	0.5	0
111	A WIP control policy for tandem lines. International Journal of Production Research, 2009, 47, 1127-1149.	7.5	9
112	An Approximate Algorithm to Solve Facility Layout Problem. , 2009, , .		1
113	Intelligent agent framework to determine the optimal conflict-free path for an automated guided vehicles system. International Journal of Production Research, 2002, 40, 4195-4223.	7.5	37
114	Two phase algorithm for bi-objective relief distribution location problem. Annals of Operations Research, 0, , .	4.1	2