

# Chandra K Jaggi

## List of Publications by Year in descending order

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Version: 2024-02-01

108  
papers

2,528  
citations

257450

24  
h-index

223800

46  
g-index

108  
all docs

108  
docs citations

108  
times ranked

765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable production system with preservation strategy and renewable energy under different carbon tax policies. <i>International Journal of Modelling and Simulation</i> , 2023, 43, 523-532.	3.3	2
2	Retailer's credit and inventory decisions for imperfect quality and deteriorating items under two-level trade credit. <i>Computers and Operations Research</i> , 2022, 138, 105617.	4.0	24
3	Impact of Price-Sensitive Demand and Premium Payment Scheme on Bullwhip Effect. <i>International Journal of Information Systems and Supply Chain Management</i> , 2022, 15, 1-24.	0.9	2
4	Strategic decisions in an imperfect quality and inspection scenario under two-stage credit financing with order overlapping approach. <i>Expert Systems With Applications</i> , 2022, 195, 116426.	7.6	8
5	Optimal inventory strategies for an imperfect production system with advertisement and price reliant demand under rework option for defectives. <i>RAIRO - Operations Research</i> , 2022, 56, 183-197.	1.8	24
6	Optimal inventory strategies for deteriorating items with price-sensitive investment in preservation technology. <i>RAIRO - Operations Research</i> , 2022, 56, 601-617.	1.8	10
7	Sustainable production inventory model with greening degree and dual determinants of defective items. <i>Journal of Cleaner Production</i> , 2022, 367, 132879.	9.3	14
8	Sustainable inventory policy for an imperfect production system with energy usage and volume agility. <i>International Journal of Systems Assurance Engineering and Management</i> , 2021, 12, 44-52.	2.4	11
9	An inventory model under price and stock dependent demand for controllable deterioration rate with shortages and preservation technology investment: revisited. <i>Opsearch</i> , 2021, 58, 181-202.	1.8	20
10	Role of Big Data Analytics in supply chain management: current trends and future perspectives. <i>International Journal of Production Research</i> , 2021, 59, 1875-1900.	7.5	101
11	Impact on bullwhip effect in food industry due to food delivery apps. <i>Opsearch</i> , 2021, 58, 148-159.	1.8	10
12	Dual Warehouse Inventory Management of Deteriorating Items Under Inflationary Condition. <i>Asset Analytics</i> , 2021, , 39-53.	0.5	0
13	Sustainable and flexible production system for a deteriorating item with quality consideration. <i>International Journal of Systems Assurance Engineering and Management</i> , 2021, 12, 951-960.	2.4	1
14	Sustainable Preservation Strategies with Deterioration Management and Environment Sensitive Demand. <i>International Journal of Mathematical, Engineering and Management Sciences</i> , 2021, 6, 1089-1099.	0.7	0
15	An integrated green supply chain model with product recovery management towards a cleaner system. <i>Journal of Cleaner Production</i> , 2021, 320, 128850.	9.3	20
16	Inventory Models for Imperfect Quality Items: A Two-Decade Review. <i>Asset Analytics</i> , 2021, , 185-215.	0.5	15
17	Optimal trade credit and replenishment policies for non-instantaneous deteriorating items. <i>RAIRO - Operations Research</i> , 2020, 54, 1793-1826.	1.8	8
18	Retailer's ordering policies for time-varying deteriorating items with partial backlogging and permissible delay in payments in a two-warehouse environment. <i>Annals of Operations Research</i> , 2020, 295, 139-161.	4.1	26

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19	Integrated vendor-buyer strategies for imperfect production systems with maintenance and warranty policy. <i>RAIRO - Operations Research</i> , 2020, 54, 435-450.	1.8	38
20	Inventory and pricing decisions for imperfect quality items with inspection errors, sales returns, and partial backorders under inflation. <i>RAIRO - Operations Research</i> , 2020, 54, 287-306.	1.8	31
21	Inventory and credit decisions for deteriorating items with displayed stock dependent demand in two-echelon supply chain using Stackelberg and Nash equilibrium solution. <i>Annals of Operations Research</i> , 2019, 274, 309-329.	4.1	39
22	Strategic defect management for a sustainable green supply chain. <i>Journal of Cleaner Production</i> , 2019, 233, 226-241.	9.3	70
23	Credit financing in economic ordering policies for deteriorating items with stochastic demand and promotional efforts in two-warehouse environment. <i>International Journal of Operational Research</i> , 2019, 35, 529.	0.2	5
24	Impact of credit financing, storage system and changing demand on investment for deteriorating items. <i>International Journal of Systems Science: Operations and Logistics</i> , 2019, 6, 143-161.	3.0	1
25	Optimal pricing and lot-sizing policy for supply chain system with deteriorating items under limited storage capacity. <i>International Journal of Production Economics</i> , 2018, 200, 278-290.	8.9	76
26	Inventory Decisions for Imperfect Quality Deteriorating Items with Exponential Declining Demand Under Trade Credit and Partially Backlogged Shortages. <i>Springer Proceedings in Business and Economics</i> , 2018, , 213-229.	0.3	14
27	Supply Chain with Customer-Based Two-Level Credit Policies under an Imperfect Quality Environment. <i>Mathematics</i> , 2018, 6, 299.	2.2	13
28	A multi-retailer supply chain model with backorder and variable production cost. <i>RAIRO - Operations Research</i> , 2018, 52, 943-954.	1.8	39
29	Impact of trade credit on inventory models for Weibull distribution deteriorating items with partial backlogging in two-warehouse environment. <i>International Journal of Logistics Systems and Management</i> , 2018, 30, 503.	0.2	2
30	INTEGRATED SUPPLY CHAIN OF SUPPLIER AND RETAILER FOR STOCHASTIC DEMAND. <i>Mathematical Modelling and Analysis</i> , 2018, 23, 582-595.	1.5	5
31	Credit Policies for Deteriorating Imperfect Quality Items With Exponentially Increasing Demand and Partial Backlogging. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2018, , 90-106.	0.4	10
32	A Study on Imperfect Production System Under Maintenance Strategies and Warranty. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2018, , 371-387.	0.4	2
33	A Fuzzy EOQ Model for Deteriorating Items With Allowable Shortage and Inspection Under the Trade Credit. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2018, , 233-249.	0.4	1
34	Quantitative analysis for measuring and suppressing bullwhip effect. <i>Yugoslav Journal of Operations Research</i> , 2018, 28, 415-433.	0.8	2
35	Credit financing in economic ordering policies for non-instantaneous deteriorating items with price dependent demand and two storage facilities. <i>Annals of Operations Research</i> , 2017, 248, 253-280.	4.1	89
36	Two-warehouse inventory model for non-instantaneous deteriorating items with stock-dependent demand and inflation using particle swarm optimization. <i>Annals of Operations Research</i> , 2017, 254, 401-423.	4.1	47

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37	Optimal replenishment policy for price dependent demand in different financial scenario under fuzzy environment. <i>International Journal of Inventory Research</i> , 2017, 4, 103.	0.3	2
38	Inventory model for optimal pricing and ordering policies under two-level trade credits. <i>International Journal of Procurement Management</i> , 2017, 10, 555.	0.2	2
39	Retailer's ordering policy for deteriorating imperfect quality items when demand and price are time-dependent under inflationary conditions and permissible delay in payments. <i>International Journal of Procurement Management</i> , 2017, 10, 461.	0.2	12
40	Optimal Release Policy for Multi-Release Software System. <i>International Journal of Operations Research and Information Systems</i> , 2017, 8, 21-38.	1.0	1
41	Strategic production modeling for defective items with imperfect inspection process, rework, and sales return under two-level trade credit. <i>International Journal of Industrial Engineering Computations</i> , 2017, , 85-118.	0.7	12
42	Two-warehouse inventory model for deteriorating items with imperfect quality under the conditions of permissible delay in payments. <i>Scientia Iranica</i> , 2017, 24, 390-412.	0.4	42
43	Inventory Modeling for Imperfect Production Process with Inspection Errors, Sales Return, and Imperfect Rework Process. <i>International Journal of Mathematical, Engineering and Management Sciences</i> , 2017, 2, 242-258.	0.7	11
44	Credit financing for deteriorating imperfect quality items with allowable shortages. <i>Decision Science Letters</i> , 2016, , 45-60.	1.2	24
45	Effects of inflation and time value of money on an inventory system with deteriorating items and partially backlogged shortages. <i>International Journal of Industrial Engineering Computations</i> , 2016, , 267-282.	0.7	16
46	Production inventory policies for defective items with inspection errors, sales return, imperfect rework process and backorders. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
47	Impact of trade credit and inflation on retailer's ordering policies for non-instantaneous deteriorating items in a two-warehouse environment. <i>International Journal of Production Economics</i> , 2016, 176, 154-169.	8.9	109
48	Coordinating vendor-buyer decisions for imperfect quality items considering trade credit and fully backlogged shortages. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	11
49	Replenishment policy for non-instantaneous deteriorating items in a two storage facilities under inflationary conditions. <i>International Journal of Industrial Engineering Computations</i> , 2016, , 489-506.	0.7	11
50	A Fuzzy EOQ Model with Allowable Shortage under Different Trade Credit Terms. <i>Applied Mathematics and Information Sciences</i> , 2016, 10, 785-805.	0.5	15
51	Optimal replenishment policy for fuzzy inventory model with deteriorating items and allowable shortages under inflationary conditions. <i>Yugoslav Journal of Operations Research</i> , 2016, 26, 507-526.	0.8	8
52	A Gentle Introduction to the Bayesian Paradigm for Some Inventory Models. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2016, , 340-359.	0.4	0
53	Ordering policy for non-instantaneous deteriorating items in two warehouse environment with shortages. <i>International Journal of Logistics Systems and Management</i> , 2015, 22, 103.	0.2	7
54	Credit financing in economic ordering policies for non-instantaneous deteriorating items with price dependent demand under permissible delay in payments: A new approach. <i>International Journal of Industrial Engineering Computations</i> , 2015, 6, 481-502.	0.7	22

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55	Two-warehouse inventory model for deteriorating items with price-sensitive demand and partially backlogged shortages under inflationary conditions. <i>International Journal of Industrial Engineering Computations</i> , 2015, 6, 59-80.	0.7	11
56	An inventory model for deteriorating items with ramp type demand under fuzzy environment. <i>International Journal of Logistics Systems and Management</i> , 2015, 22, 436.	0.2	7
57	An EOQ model with allowable shortage under trade credit in different scenario. <i>Applied Mathematics and Computation</i> , 2015, 252, 541-551.	2.2	27
58	Effect of deterioration on two-warehouse inventory model with imperfect quality. <i>Computers and Industrial Engineering</i> , 2015, 88, 378-385.	6.3	61
59	Periodic inventory model with controllable lead time where backorder rate depends on protection interval. <i>International Journal of Industrial Engineering Computations</i> , 2014, 5, 235-248.	0.7	6
60	A deteriorating inventory model with displayed stock-level-dependent demand and partially backlogged shortages with all unit discount facilities via particle swarm optimisation. <i>International Journal of Systems Science: Operations and Logistics</i> , 2014, 1, 164-180.	3.0	10
61	Credit financing in a two-warehouse environment for deteriorating items with price-sensitive demand and fully backlogged shortages. <i>Applied Mathematical Modelling</i> , 2014, 38, 5315-5333.	4.2	43
62	A two-warehouse inventory model for deteriorating items under permissible delay in payment with partial backlogging. <i>Applied Mathematics and Computation</i> , 2014, 232, 1125-1137.	2.2	79
63	EOQ Model with Permissible Delay in Payments under Fuzzy Environment. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2014, , 281-296.	0.4	2
64	Ordering Policy for Imperfect-Quality Deteriorating Items with Initial-Inspection and Allowable Shortage under the Condition of Permissible Delay in Payments. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2014, , 65-80.	0.4	0
65	Ordering Policy in a Two-Warehouse Environment for Deteriorating Items under Inflationary Conditions. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2014, , 320-338.	0.4	1
66	Credit financing in economic ordering policies for defective items with allowable shortages. <i>Applied Mathematics and Computation</i> , 2013, 219, 5268-5282.	2.2	74
67	Effects of inspection on retailer's ordering policy for deteriorating items with time-dependent demand under inflationary conditions. <i>International Journal of Systems Science</i> , 2013, 44, 1774-1782.	5.5	25
68	Ordering policy for deteriorating items in a two-warehouse environment with partial backlogging. <i>International Journal of Logistics Systems and Management</i> , 2013, 16, 16.	0.2	20
69	Replenishment decisions under two-level credit policy for flexible credit linked demand. <i>International Journal of Operational Research</i> , 2013, 18, 239.	0.2	2
70	Ordering Policy in a Two-Warehouse Environment for Deteriorating Items with Shortages under Inflationary Conditions. <i>International Journal of Strategic Decision Sciences</i> , 2013, 4, 27-47.	0.0	5
71	An Inventory Decision Model When Demand Follows Innovation Diffusion Process under Effect of Technological Substitution. <i>Advances in Decision Sciences</i> , 2013, 2013, 1-10.	1.2	1
72	Economic order quantity model under fuzzy sense when demand follows innovation diffusion process having dynamic potential market size. <i>International Journal of Services and Operations Management</i> , 2012, 13, 361.	0.2	11

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73	Optimal retailer's ordering policies under two-stage partial trade credit financing in a supply chain. International Journal of Industrial and Systems Engineering, 2012, 10, 277.	0.2	7
74	Optimal replenishment and credit policy in EOQ model under two-levels of trade credit policy when demand is influenced by credit period. International Journal of Systems Assurance Engineering and Management, 2012, 3, 352-359.	2.4	21
75	The effect of inflation-induced demand and trade credit on ordering policy of exponentially deteriorating and imperfect quality items. International Transactions in Operational Research, 2012, 19, 863-889.	2.7	20
76	Retailer Ordering Policy for Deteriorating Items with Initial Inspection and Allowable Shortage Under the Condition of Permissible Delay in Payments. International Journal of Applied Industrial Engineering, 2012, 1, 64-79.	0.5	15
77	Two echelon partial trade credit financing in a supply chain derived algebraically. Yugoslav Journal of Operations Research, 2012, 22, 163-182.	0.8	1
78	Fuzzification of EOQ Model Under the Condition of Permissible Delay in Payments. International Journal of Strategic Decision Sciences, 2012, 3, 1-19.	0.0	7
79	A Fuzzy Inventory Model for Weibull Deteriorating Items with Price-Dependent Demand and Shortages under Permissible Delay in Payment. International Journal of Applied Industrial Engineering, 2012, 1, 53-79.	0.5	1
80	Two-warehouse partial backlogging inventory model for deteriorating items with linear trend in demand under inflationary conditions. International Journal of Systems Science, 2011, 42, 1185-1196.	5.5	37
81	Pricing and Replenishment Policies for Imperfect Quality Deteriorating Items Under Inflation and Permissible Delay in Payments. International Journal of Strategic Decision Sciences, 2011, 2, 20-35.	0.0	16
82	Economic order quantity model for deteriorating items with imperfect quality and permissible delay on payment. International Journal of Industrial Engineering Computations, 2011, 2, 237-248.	0.7	24
83	Stochastic integrated vendor-buyer model with unstable lead time and setup cost. International Journal of Industrial Engineering Computations, 2011, 2, 123-140.	0.7	6
84	Credit financing for deteriorating imperfect-quality items under inflationary conditions. International Journal of Services Operations and Informatics, 2011, 6, 292.	0.3	14
85	Economic order quantity model with innovation diffusion criterion having dynamic potential market size. International Journal of Applied Decision Sciences, 2011, 4, 280.	0.3	16
86	Retailer's Ordering Policy in a Supply Chain when Demand is Price and Credit Period Dependent. International Journal of Strategic Decision Sciences, 2011, 2, 61-74.	0.0	11
87	Retailer's optimal credit and replenishment policy for deteriorating items with credit linked demand in a supply chain. International Journal of Applied Decision Sciences, 2010, 3, 117.	0.3	9
88	Two-warehouse inventory model for deteriorating items with linear trend in demand and shortages under inflationary conditions. International Journal of Procurement Management, 2010, 3, 54.	0.2	17
89	Periodic inventory model with unstable lead-time and setup cost with backorder discount. International Journal of Applied Decision Sciences, 2010, 3, 53.	0.3	8
90	Supply chain model for deteriorating items with stock-dependent consumption rate and shortages under inflation and permissible delay in payment. International Journal of Mathematics in Operational Research, 2010, 2, 491.	0.2	36

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91	Two-warehouse inventory model for deteriorating items when demand is price sensitive. International Journal of Operational Research, 2010, 7, 530.	0.2	9
92	Inventory and pricing strategies for deteriorating items with limited capacity and time-proportional backlogging rate. International Journal of Operational Research, 2010, 8, 331.	0.2	18
93	A deterministic order level inventory model for deteriorating items with two storage facilities under FIFO dispatching policy. International Journal of Procurement Management, 2010, 3, 265.	0.2	10
94	An optimal replenishment policy for non-instantaneous deteriorating items with two storage facilities. International Journal of Services Operations and Informatics, 2010, 5, 209.	0.3	17
95	Ordering policies under supplier-retailer partial trade credit financing. Opsearch, 2010, 47, 293-310.	1.8	7
96	An EPQ model under partial trade credit financing with credit sensitive demand. , 2010, , .		0
97	Inventory decisions for deteriorating items under two-stage trade credit with credit period induced demand. International Journal of Applied Decision Sciences, 2009, 2, 74.	0.3	4
98	Retailer's ordering policy for deteriorating items with inflation-induced demand under trade credit policy. International Journal of Operational Research, 2009, 6, 360.	0.2	14
99	The retailer's procurement policy with credit-linked demand under inflationary conditions. International Journal of Procurement Management, 2009, 2, 163.	0.2	11
100	Retailer's optimal replenishment decisions with credit-linked demand under permissible delay in payments. European Journal of Operational Research, 2008, 190, 130-135.	5.7	226
101	Joint optimization of price and order quantity with shortages for a two-warehouse system. Top, 2008, 16, 195-213.	1.6	11
102	An integrated production-inventory-marketing model under inflationary conditions for deteriorating items. International Journal of Applied Decision Sciences, 2008, 1, 435.	0.3	7
103	Joint optimization of retailer's unit selling price and cycle length under two-stage credit policy when the end demand is price as well as credit period sensitive. Opsearch, 2007, 44, 172-182.	1.8	0
104	Optimal order policy for deteriorating items with inflation induced demand. International Journal of Production Economics, 2006, 103, 707-714.	8.9	77
105	A joint approach for setting unit price and the length of the credit period for a seller when end demand is price sensitive. International Journal of Production Economics, 2003, 83, 115-122.	8.9	284
106	Credit financing in economic ordering policies of deteriorating items. International Journal of Production Economics, 1994, 34, 151-155.	8.9	94
107	Pricing and Replenishment Policies for Imperfect Quality Deteriorating Items under Inflation and Permissible Delay in Payments. , 0, , 170-185.		0
108	Retailer's Ordering Policy in a Supply Chain when Demand is Price and Credit Period Dependent. , 0, , 262-277.		0