

# 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	A joint approach for setting unit price and the length of the credit period for a seller when end demand is price sensitive. <i>International Journal of Production Economics</i> , 2003, 83, 115-122.	8.9	284
2	Retailer's optimal replenishment decisions with credit-linked demand under permissible delay in payments. <i>European Journal of Operational Research</i> , 2008, 190, 130-135.	5.7	226
3	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
4	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
5	Credit financing in economic ordering policies of deteriorating items. <i>International Journal of Production Economics</i> , 1994, 34, 151-155.	8.9	94
6	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
7	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
8	Optimal order policy for deteriorating items with inflation induced demand. <i>International Journal of Production Economics</i> , 2006, 103, 707-714.	8.9	77
9	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
10	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
11	Strategic defect management for a sustainable green supply chain. <i>Journal of Cleaner Production</i> , 2019, 233, 226-241.	9.3	70
12	Effect of deterioration on two-warehouse inventory model with imperfect quality. <i>Computers and Industrial Engineering</i> , 2015, 88, 378-385.	6.3	61
13	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
14	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
15	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
16	A multi-retailer supply chain model with backorder and variable production cost. <i>RAIRO - Operations Research</i> , 2018, 52, 943-954.	1.8	39
17	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
18	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

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19	Two-warehouse partial backlogging inventory model for deteriorating items with linear trend in demand under inflationary conditions. <i>International Journal of Systems Science</i> , 2011, 42, 1185-1196.	5.5	37
20	Supply chain model for deteriorating items with stock-dependent consumption rate and shortages under inflation and permissible delay in payment. <i>International Journal of Mathematics in Operational Research</i> , 2010, 2, 491.	0.2	36
21	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
22	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
23	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
24	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
25	Economic order quantity model for deteriorating items with imperfect quality and permissible delay on payment. <i>International Journal of Industrial Engineering Computations</i> , 2011, 2, 237-248.	0.7	24
26	Credit financing for deteriorating imperfect quality items with allowable shortages. <i>Decision Science Letters</i> , 2016, , 45-60.	1.2	24
27	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
28	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
29	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
30	Optimal replenishment and credit policy in EOQ model under two-levels of trade credit policy when demand is influenced by credit period. <i>International Journal of Systems Assurance Engineering and Management</i> , 2012, 3, 352-359.	2.4	21
31	The effect of inflation-induced demand and trade credit on ordering policy of exponentially deteriorating and imperfect quality items. <i>International Transactions in Operational Research</i> , 2012, 19, 863-889.	2.7	20
32	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
33	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
34	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
35	Inventory and pricing strategies for deteriorating items with limited capacity and time-proportional backlogging rate. <i>International Journal of Operational Research</i> , 2010, 8, 331.	0.2	18
36	Two-warehouse inventory model for deteriorating items with linear trend in demand and shortages under inflationary conditions. <i>International Journal of Procurement Management</i> , 2010, 3, 54.	0.2	17

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37	An optimal replenishment policy for non-instantaneous deteriorating items with two storage facilities. <i>International Journal of Services Operations and Informatics</i> , 2010, 5, 209.	0.3	17
38	Pricing and Replenishment Policies for Imperfect Quality Deteriorating Items Under Inflation and Permissible Delay in Payments. <i>International Journal of Strategic Decision Sciences</i> , 2011, 2, 20-35.	0.0	16
39	Economic order quantity model with innovation diffusion criterion having dynamic potential market size. <i>International Journal of Applied Decision Sciences</i> , 2011, 4, 280.	0.3	16
40	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
41	Retailer Ordering Policy for Deteriorating Items with Initial Inspection and Allowable Shortage Under the Condition of Permissible Delay in Payments. <i>International Journal of Applied Industrial Engineering</i> , 2012, 1, 64-79.	0.5	15
42	Inventory Models for Imperfect Quality Items: A Two-Decade Review. <i>Asset Analytics</i> , 2021, , 185-215.	0.5	15
43	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
44	Retailer's ordering policy for deteriorating items with inflation-induced demand under trade credit policy. <i>International Journal of Operational Research</i> , 2009, 6, 360.	0.2	14
45	Credit financing for deteriorating imperfect-quality items under inflationary conditions. <i>International Journal of Services Operations and Informatics</i> , 2011, 6, 292.	0.3	14
46	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
47	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
48	Supply Chain with Customer-Based Two-Level Credit Policies under an Imperfect Quality Environment. <i>Mathematics</i> , 2018, 6, 299.	2.2	13
49	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
50	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
51	Joint optimization of price and order quantity with shortages for a two-warehouse system. <i>Top</i> , 2008, 16, 195-213.	1.6	11
52	The retailer's procurement policy with credit-linked demand under inflationary conditions. <i>International Journal of Procurement Management</i> , 2009, 2, 163.	0.2	11
53	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
54	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

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55	Coordinating vendor-buyer decisions for imperfect quality items considering trade credit and fully backlogged shortages. AIP Conference Proceedings, 2016, , .	0.4	11
56	Replenishment policy for non-instantaneous deteriorating items in a two storage facilities under inflationary conditions. International Journal of Industrial Engineering Computations, 2016, , 489-506.	0.7	11
57	Sustainable inventory policy for an imperfect production system with energy usage and volume agility. International Journal of Systems Assurance Engineering and Management, 2021, 12, 44-52.	2.4	11
58	Inventory Modeling for Imperfect Production Process with Inspection Errors, Sales Return, and Imperfect Rework Process. International Journal of Mathematical, Engineering and Management Sciences, 2017, 2, 242-258.	0.7	11
59	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
60	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
61	A deteriorating inventory model with displayed stock-level-dependent demand and partially backlogged shortages with all unit discount facilities via particle swarm optimisation. International Journal of Systems Science: Operations and Logistics, 2014, 1, 164-180.	3.0	10
62	Impact on bullwhip effect in food industry due to food delivery apps. Opsearch, 2021, 58, 148-159.	1.8	10
63	Credit Policies for Deteriorating Imperfect Quality Items With Exponentially Increasing Demand and Partial Backlogging. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 90-106.	0.4	10
64	Optimal inventory strategies for deteriorating items with price-sensitive investment in preservation technology. RAIRO - Operations Research, 2022, 56, 601-617.	1.8	10
65	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
66	Two-warehouse inventory model for deteriorating items when demand is price sensitive. International Journal of Operational Research, 2010, 7, 530.	0.2	9
67	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
68	Optimal trade credit and replenishment policies for non-instantaneous deteriorating items. RAIRO - Operations Research, 2020, 54, 1793-1826.	1.8	8
69	Optimal replenishment policy for fuzzy inventory model with deteriorating items and allowable shortages under inflationary conditions. Yugoslav Journal of Operations Research, 2016, 26, 507-526.	0.8	8
70	Strategic decisions in an imperfect quality and inspection scenario under two-stage credit financing with order overlapping approach. Expert Systems With Applications, 2022, 195, 116426.	7.6	8
71	An integrated production-inventory-marketing model under inflationary conditions for deteriorating items. International Journal of Applied Decision Sciences, 2008, 1, 435.	0.3	7
72	Ordering policies under supplier-retailer partial trade credit financing. Opsearch, 2010, 47, 293-310.	1.8	7

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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	Ordering policy for non-instantaneous deteriorating items in two warehouse environment with shortages. International Journal of Logistics Systems and Management, 2015, 22, 103.	0.2	7
75	An inventory model for deteriorating items with ramp type demand under fuzzy environment. International Journal of Logistics Systems and Management, 2015, 22, 436.	0.2	7
76	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
77	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
78	Periodic inventory model with controllable lead time where backorder rate depends on protection interval. International Journal of Industrial Engineering Computations, 2014, 5, 235-248.	0.7	6
79	Ordering Policy in a Two-Warehouse Environment for Deteriorating Items with Shortages under Inflationary Conditions. International Journal of Strategic Decision Sciences, 2013, 4, 27-47.	0.0	5
80	Credit financing in economic ordering policies for deteriorating items with stochastic demand and promotional efforts in two-warehouse environment. International Journal of Operational Research, 2019, 35, 529.	0.2	5
81	INTEGRATED SUPPLY CHAIN OF SUPPLIER AND RETAILER FOR STOCHASTIC DEMAND. Mathematical Modelling and Analysis, 2018, 23, 582-595.	1.5	5
82	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
83	Production inventory policies for defective items with inspection errors, sales return, imperfect rework process and backorders. AIP Conference Proceedings, 2016, , .	0.4	3
84	Replenishment decisions under two-level credit policy for flexible credit linked demand. International Journal of Operational Research, 2013, 18, 239.	0.2	2
85	Optimal replenishment policy for price dependent demand in different financial scenario under fuzzy environment. International Journal of Inventory Research, 2017, 4, 103.	0.3	2
86	Inventory model for optimal pricing and ordering policies under two-level trade credits. International Journal of Procurement Management, 2017, 10, 555.	0.2	2
87	Impact of trade credit on inventory models for Weibull distribution deteriorating items with partial backlogging in two-warehouse environment. International Journal of Logistics Systems and Management, 2018, 30, 503.	0.2	2
88	EOQ Model with Permissible Delay in Payments under Fuzzy Environment. Advances in Business Information Systems and Analytics Book Series, 2014, , 281-296.	0.4	2
89	A Study on Imperfect Production System Under Maintenance Strategies and Warranty. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 371-387.	0.4	2
90	Quantitative analysis for measuring and suppressing bullwhip effect. Yugoslav Journal of Operations Research, 2018, 28, 415-433.	0.8	2

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91	Impact of Price-Sensitive Demand and Premium Payment Scheme on Bullwhip Effect. International Journal of Information Systems and Supply Chain Management, 2022, 15, 1-24.	0.9	2
92	Sustainable production system with preservation strategy and renewable energy under different carbon tax policies. International Journal of Modelling and Simulation, 2023, 43, 523-532.	3.3	2
93	An Inventory Decision Model When Demand Follows Innovation Diffusion Process under Effect of Technological Substitution. Advances in Decision Sciences, 2013, 2013, 1-10.	1.2	1
94	Optimal Release Policy for Multi-Release Software System. International Journal of Operations Research and Information Systems, 2017, 8, 21-38.	1.0	1
95	Impact of credit financing, storage system and changing demand on investment for deteriorating items. International Journal of Systems Science: Operations and Logistics, 2019, 6, 143-161.	3.0	1
96	Sustainable and flexible production system for a deteriorating item with quality consideration. International Journal of Systems Assurance Engineering and Management, 2021, 12, 951-960.	2.4	1
97	Two echelon partial trade credit financing in a supply chain derived algebraically. Yugoslav Journal of Operations Research, 2012, 22, 163-182.	0.8	1
98	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
99	Ordering Policy in a Two-Warehouse Environment for Deteriorating Items under Inflationary Conditions. Advances in Business Information Systems and Analytics Book Series, 2014, , 320-338.	0.4	1
100	A Fuzzy EOQ Model for Deteriorating Items With Allowable Shortage and Inspection Under the Trade Credit. Advances in Logistics, Operations, and Management Science Book Series, 2018, , 233-249.	0.4	1
101	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
102	An EPQ model under partial trade credit financing with credit sensitive demand. , 2010, , .		0
103	Dual Warehouse Inventory Management of Deteriorating Items Under Inflationary Condition. Asset Analytics, 2021, , 39-53.	0.5	0
104	Sustainable Preservation Strategies with Deterioration Management and Environment Sensitive Demand. International Journal of Mathematical, Engineering and Management Sciences, 2021, 6, 1089-1099.	0.7	0
105	Ordering Policy for Imperfect-Quality Deteriorating Items with Initial-Inspection and Allowable Shortage under the Condition of Permissible Delay in Payments. Advances in Logistics, Operations, and Management Science Book Series, 2014, , 65-80.	0.4	0
106	A Gentle Introduction to the Bayesian Paradigm for Some Inventory Models. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 340-359.	0.4	0
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