

FACULTY PROFILE



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Name	Dr Uttam Kumar Khedlekar			Date of Birth: 15/07/1962			
Designation	Assistant Professor Stage-3			Date of holding Present Post		2007	
Name of the Department and School	Mathematics and Statistics						
Contact Details	Email : uvkkcm@yahoo.co.in			Mobile: 9425861689			
Additional Responsibility in the university, if any	Admission cell						
Educational Qualifications (UG onwards)	B.Sc, M.Sc., NET, Ph.D.						
Research Area/ Specialization	Inventory Modeling-Operations Research						
Awards/ Honors / Fellowship Conferred (With details thereof)	-						
Summary of Publications (Number only)	Research Papers	Books	Chapter in Books	Seminars/ Conferences Proceedings	PhD Awarded	Projects	
	28	01	01	13	04	0	

PUBLICATIONS :

National Publications (Details of Research Papers):

Year (From 2013 to 2020)	(Name of the author(s), title, name of the journal, vol. no. , page no., Month/year, ISSN and impact factor, if any)
2013	1. U.K. Khedlekar, D. Shukla, (2013) Dynamic Pricing Model with Logarithmic Demand, OPSEARCH, 50(1), 1-13.

International Publications (Details of Research Papers):

Year 2013 to 2020	(Name of the author(s), title, name of the journal, vol. no. , page no., Month/year, ISSN and impact factor, if any)
2013	2. Logarithmic Inventory Model With Shortage For Deteriorating Items. Yugoslav Journal of Operations Research 2013, 23(1), 1-10. ISSN-2334-6043 3. Logarithmic Inventory Model With Shortage For Deteriorating Items. Yugoslav Journal of Operations Research 2013, 23(1), 1-10. ISSN-2334-6043 4. Time and Price Dependent Demand with Varying Holding Cost Inventory Model for Deteriorating Item, International Journal of Operations Research and Information Sciences (IJORIS-USA) 2013, 4(4), 75-90. ISSN-1947-9328 EISSN-1947-9336 5. Pricing Policy with Time and Price Dependent Demand for Deteriorating Items, European Journal of Mathematical Sciences 2(3), 2013, 341-351, ISSN-ISSN 2147-5512
2014	6. U.K. Khedlekar, D. Shukla, R.P.S.Chandel (2014) Computational Study for Disrupted Production System with Time Dependent Demand, Journal of Scientific and Industrial

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	Research, 73(5), 294-301. ISSN 0975-1084, 0022-4456, I.F=1.056 SCI 7. U.K. Khedlekar, (2014) An inventory model with stock and price dependent demand, Bulletin of the Allahabad Mathematical Society 2015, 30(2) 253- 267. ISSN 0971-0493
2015	8. UK Khedlekar, (2015) Modeling the business starting with shortages for deteriorating items, Int. J. Math 6 (11), 101-107. ISSN 2327-168X, 2327-1639
2016	9. D Shukla, UK Khedlekar, (2016) Inventory model for convertible item with deterioration, Communications in Statistics-Theory and Methods 45 (4), 1137-1147. ISSN: 0361-0926,1532-415X I.F. 0.893 (2020) Impact Factor SCI 10. UK Khedlekar, D Shukla, A Namdeo, (2016) Pricing policy for declining demand using item preservation technology, SpringerPlus 5 (1), 1-11. ISSN 2193-1801, I.F. 1.85 (2018) SCI
2017	11. Production Inventory Model with Disruption Considering Shortage and Time Proportional Demand, Yugoslav Journal of Operations Research 2017, 27(2), ISSN: 0354-0243 12. Pricing Strategy with Exponential Declining Demand Using Preservation Cost, International Journal of Operations Research ISSN:18137148 (on-line) ISSN: 1813-713X(Print) 13. Pricing strategy with exponential declining demand using preservation cost, International Journal of Operations Research, 14(1), 2017, 1-10, ISSN-1813713X, 1813-7148. 14. Production inventory model with disruption considering shortage and time production demand, Yugoslav Journal of Operations Research, 28(1), 2017, 123-139, ISSN:0354-0243. 15. Optimal pricing policy for manufacturer and retailer using Item preservation technology for deteriorating items, Journal of Nonlinear Analysis and Optimization, 8(1), 2017, 33-47, ISSN : 1906-9605. 16. Economic order level inventory model with exponential increasing demand,
2018	17. UK Khedlekar, RK Tiwari,(2018) Decision makings in discount pricing policy for imperfect production system, Yugoslav Journal of Operations Research 29 (2), 273-293. ISSN: 0354-0243, 2334-6043 18. AR Nigwal, UK Khedlekar, (2018) Coordinations Policy for Collector, Re-manufacturer and Retailer in Decentralize Scenario with Complete Information, Advanced Modeling and Optimization 20 (1), 65-79. ISSN: 1841-4311 19. UK Khedlekar, RK Tiwari, (2018) Imperfect production model for sensitive demand with shortage, Reliability: Theory & Applications 13 (4 (51). ISSN 1932-2321 20. UK Khedlekar, A Namdeo, A Nigwal, (2018) Production inventory model with disruption considering shortage and time proportional demand, Yugoslav Journal of Operations Research 28 (1), 123-139. ISSN: 0354-0243, 2334-6043
2019	21. UK Khedlekar, RK Tiwari, (2019) Decision Making of Pricing Policies in Growing Market for Deteriorating Items, International Journal of Operations Research 16 (1), 1-12. 22. Economic order quantity model and production plan for sequentially convertible item, Bulletin of Pure and Applied Sciences Section-E- Mathematics & Statistics, 38E(1) 2019. 25-30 ISSN: 09706577, 2320-3226 2019 2. 23. Decision Makings in Discount Pricing Policy for 3. Imperfect production system,

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	Yugoslav Journal of Operations Research, 29(2), 273-293, ISSN: 0354-0243
2020	24. UK Khedlekar, P Singh, N Gupta, Dynamic Pricing Policy Using Preservation Technology with Stock and Price Sensitive Demand, Journal of the Indonesian Mathematical Society 26 (3), 266-274. ISSN 2086-8952, 2460-0245 25. A Namdeo, UK Khedlekar, P Singh, Discount pricing policy for deteriorating items under preservation technology cost and shortages, Journal of Management Analytics 7 (4), 649-671. ISSN: 2327-0012 Online ISSN: 2327-0039
July 20 to till date	26. UK Khedlekar, A Nigwal, NK Khedlekar, HK Patel, Integrated three layer supply chain inventory model for price sensitive and time dependent demand with suggested retail price by manufacturer, International Journal of Nonlinear Analysis and Applications 12 (1), 1135-1152, ISSN 2008-6822. 27. UK Khedlekar, P Singh, Optimal pricing policy for ameliorating items considering time- and demand, International Journal of Modelling and Simulation, 1-15 ISSN: 0228-6203 Online ISSN: 1925-7082 28. RK Tiwari, NK Khedlekar, UK Khedlekar, Optimal pricing policy for stock dependent demand with effective investment in preservation technology, International Journal of Nonlinear Analysis and Applications 12 (2), 249-264. ISSN 2008-6822

Books Published

Year (From 2013 to 2020)	(with author(s), title of the book, name of publisher, year of Publication, ISBN)
2013	U.K. Khedlekar and D Shukla (2013) Advanved Inventory Models, Aman Prakashan, ISBN 978-93-80296-28-9

Chapters in Books

Year (From 2013 to 2020)	(with author(s), title of chapter, title of the book with author name, name of publisher, year of Publication, ISBN)
2018	A Namdeo, UK Khedlekar, (2019) Replenishment Policy for Deteriorating Items Under Price Discount, Harmony Search and Nature Inspired Optimization Algorithms, 393-403. ISBN 978-981-13-0761-4

National Seminar/Conference/Workshops (Attended)

Year (From 2013 to 2020)	(with topic, date and venue)
	REFRESHER COURSE IN APPLIED MATHEMATICS AND STATISTICS, (25-11-2020 to 08-12-2020), UGC-SPONSORED 2020-2021

International Seminar/Conference/Workshops (Attended)

Year (From 2013 to 2020)	
	1. Pricing Policy for Perishable items. International Conference on Global; Innovation in Sciences & Management, International Conference, SVN Sagar. 27th to 28th Feb 2013 2. EOQ Model with Shortage in Beginning for Deteriorating Items. National Conference on Global Innovation National Prestige Engineering College Indore, 01 to 02 March 2013 3. Simulation of dynamic pricing & EOQ policy with linear demand, 81st Annual conference of Indian Mathematical Society International Conference, VNIT Nagpur, Dec 27-31 2015 4. Simulation of dynamic pricing policy with linear demand, International conference on computer system & mathematical sciences 2016, 18-19 nov 2016. 5. Pricing Strategy in Diminishing Market, International Conference on innovative research in applied physical, mathematical sciences, chemical statistics and emerging energy technology for sustainable development APMCSET-24 Nov 2018, JNU Delhi 6. Inventory model with price sensitive demand for deteriorating items. 12th International Conference on Social Entrepreneurship, Social Media, Business Research and Academic Research, Emerging Technologies in Education, Science & Business at LNCT Bhopal, 8-9 Sept 2018.

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	7. Dynamic Pricing Policy for Price Sensitive Demand, Conference on Mathematical Science and Development, Dr Bhim Rao Ambedkar University Agra 22-24 Dec 2018. 8. Dynamic Pricing Model for Deteriorating Items in Declining Market, International Conference on Emerging Technologies in Education, Science & Business (ICETESB'18) 8-9 Oct 2018, Greater Kailash II, New Delhi 9. EOQ Model for Convertible Items with Deterioration, 7th International Conference on Wallop of Globalization in Engg-Med-Sci-Agri-Phwan-Tech Research, 27-28 Feb 2019. 10. An Inventory Model with price sensitive demand with shortage under fuzzy environment, 17th International Conference on Sustainable Research in Engineering technology Pharmacy & Management" IC-SRETPM 2019, 25-26th May 2019.
July 20 to till date	11. Pricing Policy for Deteriorating Items, Applications of Artificial Intelligence and Computational Mathematics (AAICM - 2020), International Conference, Dayananda Sagar College of Engineering, 9 Dec 2020. 12. EOQ Model for Deteriorating Items, National Conference on NGCTND-2020, National Conference, Institute of Technology & Science Ghaziabad, 21-22 August 2020 13. Economic Order Quantity Model for Parallel Convertible Items, National Conference on Theoretical and Applied Statistics, organised by Department of Statistics, National Conference Department of Statistics, Kristu Jayanti College in association with National Statistical Office (NSO), Ministry of Statistics and Programme 10 Feb 2021
International Seminar/Conference/Workshops (Organised)	
Year 2013 to 2020	(with topic, date and venue)
2019	1. International Conference on recent trend in Mathematical Sciences, Dec 12-14 2019 (Coordinator)
No. of Ph.D. Awarded:	1. Anubhav Namdeo 2014(Registration Year) 2. Ram kumar tiwari 2016(Registration Year) 3. A R Nigwal 2016(Registration Year) 4. Priyanka Singh 2016(Registration Year)
No. of Ph.D. Scholars working:	1. Neelesh Gupta 2016(Registration Year) 2. Ramkrishna Tiwari 2021(Registration Year)
Memberships in Academic Bodies:	
• Operations Research Society of India	
• International Journal of Operations Research	
• Madhya Bharti	
(i) Reviewer of the Journal(s) (With details of the journal(s) and duration)	
• Operations Research Society of India	
• International Journal of Operations Research	
(ii) Membership of the Board of Studies/School Board / Academic Council/ Executive Council (Within/ outside the university)	
Admission Cell 2014-2021	

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Signature Dr Uttam Kumar