




## Faculty Details proforma for DU Web-site

(PLEASE FILL THIS IN AND Email it to [websiteDU@du.ac.in](mailto:websiteDU@du.ac.in) and  
cc: [director@ducc.du.ac.in](mailto:director@ducc.du.ac.in))

|                                   |            |  |            |           |                        |   |
|-----------------------------------|------------|--|------------|-----------|------------------------|---|
| Title                             | Prof.(Dr.) | First Name   | Chandra K. | Last Name | Jaggi                  | Photograph  |
| Designation                       |            | Professor  |            |           |                        |  |
| Address                           |            | Department of Operational Research<br>Faculty of Mathematical Sciences<br>New Academic Block<br>University of Delhi<br>Delhi – 110 007 |            |           |                        |   |
| Phone No                          | Office     | +9111-27666672   |            |           |                        |   |
| Residence                         |            | +91-9811012179   |            |           |                        |   |
| Mobile                            |            | +91-9891919399   |            |           |                        |   |
| Email                             |            | <a href="mailto:ckjaggi@yahoo.com">ckjaggi@yahoo.com</a><br><a href="mailto:ckjaggi@gmail.com">ckjaggi@gmail.com</a>                   |            |           |                        |   |
| Web-Page                          |            | <a href="http://www.du.ac.in/du/index.php?page=operational-research">http://www.du.ac.in/du/index.php?page=operational-research</a>    |            |           |                        |   |
| <b>Educational Qualifications</b> |            |  |            |           |                        |   |
| Degree                            |            | Institution  |            |           | Year                   |   |
| Ph.D.                             |            | Dept. of Operational Research, University of Delhi   |            |           | 1994                   |   |
| M. Phil.                          |            | Dept. of Operational Research, University of Delhi   |            |           | 1984 (Awarded in 1986) |   |
| PG                                |            | Hans Raj College, University of Delhi  |            |           | 1983                   |   |
| UG                                |            | Hans Raj College, University of Delhi  |            |           | 1981                   |   |
| Any other qualification           |            | Diploma in Business Management, Stratford Career Institute, Toronto, Canada  |            |           | 2002                   |   |
| <b>Career Profile</b>             |            |  |            |           |                        |   |
| July 2007 – Till Date             |            | Professor, Department of Operational Research, University of Delhi, Delhi, India   |            |           |                        |   |
| Jan 2006 – July 2007              |            | Associate Professor, Dept. of Operational Research, University of Delhi, Delhi   |            |           |                        |   |
| April 2000 – Dec 2005             |            | Reader, Department of Operational Research, University of Delhi, Delhi, India  |            |           |                        |   |
| Oct 1999 – April 2000             |            | Visiting Faculty, Faculty of Business. Mc Master University, Hamilton, Canada  |            |           |                        |   |
| July 1998 – Oct 1999              |            | Reader, Department of Operational Research, University of Delhi, Delhi, India  |            |           |                        |   |
| May 1994 – July 1998              |            | Lecturer in Senior Scale, Dept. of Operational Research, University of Delhi, Delhi  |            |           |                        |   |

July 1988 – May 1994 Lecturer, Department of Operational Research, University of Delhi, Delhi, India

### **Administrative Assignments**

|  |          |  |
|--|----------|--|
| <b>July 24, 2015<br/>- July 23, 2018</b>                               | <b>:</b> | <b>Board of Studies, Dept of Statistics,<br/>Central University of Haryana, Jant - Pali, Mahendragarh, Haryana -<br/>123029</b>                              |
| <b>Nov. 27, 2015<br/>- Nov. 27, 2017</b>                               | <b>:</b> | <b>University representative, Governing Body,<br/>Shyam Lal College, G.T. Road, Shahdara, Delhi - 110 032</b>  |
| <b>April 12, 2013<br/>- till Date &amp; 2002 - 06</b>                  | <b>:</b> | <b>Member, Faculty of Mathematical Sciences,<br/>University of Delhi, Delhi – 110 007</b>  |
| <b>July 1995<br/>- April 10, 2016<br/>&amp; Aug. 2017 to till date</b> | <b>:</b> | <b>Member, Departmental Research Committee<br/>Department of Operational Research,<br/>University of Delhi, Delhi – 110 007</b>                              |
| <b>- July 1995<br/>- - till Date</b>                                   | <b>:</b> | <b>Member, M. Phil. Committee, Department of Operational<br/>Research, University of Delhi, Delhi – 110 007</b>  |
| <b>Sept. 24, 2015<br/>- Sept. 23, 2017</b>                             | <b>:</b> | <b>Post - Graduate Board of Studies in Statistics and Operations<br/>Research, Kurukshetra University, Kurukshetra</b>                                       |
| <b>Dec.13, 2015<br/>to Jan. 4, 2016</b>                                | <b>:</b> | <b>Course Coordinator: Refresher course in "Mathematics And<br/>Operational Research" UGC – Sponsored at CPDHE, University of<br/>Delhi, Delhi - 110 007</b> |
| <b>2015</b>  | <b>:</b> | <b>UGC Expert Committee Member - under graduate courses under<br/>the Choice Based Credit System</b>   |
| <b>Nov. 27, 2015<br/>- Nov. 27, 2016</b>                               | <b>:</b> | <b>University representative, Governing Body,<br/>Dr. Bhim Rao Ambedkar College, Main Wazirabad Road, Delhi - 94</b>   |
| <b>Oct. 29, 2014<br/>- Oct. 28, 2016</b>                               | <b>:</b> | <b>Departmental Research Committee in Statistics<br/>Department of Statistics, M.D. University, Rohtak</b>   |
| <b>Academic Session<br/>- 2013 - 14, &amp; 2014 - 15</b>               | <b>:</b> | <b>Academic Audit Committee, Department of Statistics,<br/>M.D. University, Rohtak</b>   |
| <b>Nov. 2013<br/>- Nov. 2015</b>                                       | <b>:</b> | <b>Chairman, Governing Body, Sri Aurobindo College,<br/>Malviya Nagar, Delhi – 17</b>  |
| <b>Dec. 2013<br/>- Nov. 2015</b>                                       | <b>:</b> | <b>Treasurer, Governing Body, Acharya Narendra Dev College,<br/>Govind Puri, Kalkaji, New Delhi-110019</b>   |
| <b>April 11, 2013<br/>- April 10, 2016</b>                             | <b>:</b> | <b>Head, Department of Operational Research,<br/>University of Delhi, Delhi – 110 007</b>  |
| <b>April 12, 2013<br/>- April 10, 2016<br/>&amp; 2002 – 2006</b>       | <b>:</b> | <b>Member, Academic Council, University of Delhi,<br/>Delhi – 110 007</b>  |
| <b>April 12, 2013<br/>- April 10, 2016<br/>&amp; 2009 – 2011</b>       | <b>:</b> | <b>Member, Board of Research Studies for Mathematical Sciences,<br/>University of Delhi, Delhi – 110 007</b>   |

|  |          |  |
|--|----------|--|
| <b>April 12, 2013<br/>- April 10, 2016</b> | <b>:</b> | <b>Member, Committee of Courses &amp; Studies for Post – Graduate &amp; Research Studies, Department of Operational Research, University of Delhi, Delhi – 110 007</b> |
| <b>April 12, 2013<br/>- April 10, 2016</b> | <b>:</b> | <b>Member, Committee of Courses &amp; Studies for Under - Graduate Studies, Department of Operational Research, University of Delhi, Delhi – 110 007</b>               |
| <b>Dec.12, 2011<br/>to Dec.31, 2011</b>    | <b>:</b> | <b>Course Convener: Refresher course in “Mathematics, Operational Research And Computer Sciences”, UGC – Sponsored at CPDHE, University of Delhi, Delhi</b>            |
| <b>Dec.13, 2010<br/>to Jan. 4, 2011</b>    | <b>:</b> | <b>Course Coordinator: Refresher course in “Mathematics And Operational Research”, UGC – Sponsored at CPDHE, University of Delhi, Delhi</b>                            |
| <b>2005 - 2010</b>                         | <b>:</b> | <b>Chairman, Working Group in Statistics, National Institute of Science Communication and Information Resources, CSIR, Delhi</b>                                       |
| <b>1999-2000</b>                           | <b>:</b> | <b>Secretary, Operational Research Society of India(Delhi Chapter)</b>   |
| <b>1997-1998</b>                           | <b>:</b> | <b>Joint Secretary cum Treasurer, Operational Research Society of India (Delhi Chapter)</b>  |
| <b>1990-1996</b>                           | <b>:</b> | <b>Member of the Executive Committee, Operational Research Society of India (Delhi Chapter)</b>  |

#### **Areas of Interest / Specialization**

### **Inventory and Supply Chain Management**

#### **Subjects Taught**

Teaching Experience: 28 years

M. Sc. Operational Research (Main Campus) (Lectures/Guidance)

1. Inventory Management
2. Marketing Management
3. Econometrics
4. Statistical Quality Control
5. Advanced Inventory Management
6. Project Work

M.A./M.Sc. Applied Operational Research (South Campus) (Lectures/Guidance)

1. Inventory and Production Control
2. Advanced Inventory Management
3. Financial Management
4. Project Work

Master of Business Administration Mc Master University, Hamilton, Canada (Lectures)

1. Introduction to Operations Management

M. Phil. Operational Research (Lectures/Guidance)

1. Inventory Management

Ph. D. Operational Research (Guidance)

1. Inventory Management

### Research Guidance

## 1 Supervision of awarded Doctoral Thesis : 15

1. **Mamta Gupta** : Study of Inventory policies for Deteriorating Items in Two Warehouse Environment (March 2018)
2. **Nidhi Nijhawan** : Some Contributions to Discrete Modeling of Multi-Releases in Software Reliability (October 2017)
3. **Anuj Ku Sharma**: Inventory Decisions under Fuzzy Environment with Different Credit Terms (July 2016)
4. **Sunil Tiwari** : Inventory Strategies for Deteriorating Items in Two Warehouse System" (July 2016)
5. **Vinti Dhaka** : Study of Inventory Models for different Payment Conditions (March 2016) (Joint Supervisor: Prof. Sarla Pareek) (Banasthali Vidyapith)
6. **Alok Kumar** : A Modeling Framework for Coordinating Inventory and Marketing Decisions, (September 2014) (Joint Supervisor: Dr. K.K. Aggarwal)
7. **Nidhi** : Optimal Policies for Inventory Models under Fuzzy Environment, (November 2014) (Joint Supervisor: Prof. Sarla Pareek) ( Banasthali Vidyapith)
8. **Ritu Sharma** : Two – Warehouse Inventory Modelling, (November 2014) (Joint Supervisor: Prof. Sarla Pareek) (Banasthali Vidyapith)
9. **Mandeep Mittal**: Inventory Management with Inspection and Trade Credit (April 2012)
10. **Neetu Bala** : Effect of Dynamic Lead Time on Stochastic Inventory System (April 2011)

11. **Mona Verma** : Strategic Inventory Analysis and Optimization in Supply Chain, (October 2010) (Joint Supervisor: Dr. K.K. Aggarwal)
12. **Priyanka Verma**: Study of Inventory Policies under Limited Capacity Constraint, (August 2010.)(Joint Supervisor: Dr. K.K. Aggarwal)
13. **Aditi Goswami** : Investigating the Impact of Inflation on Inventory Policies, (March 2010)
14. **Amrina Kausar** : Influence of Marketing Policies and trade credit on Inventory Decisions, (January 2010)
15. **Satish K. Goel** : Impact of Trade Credit on Inventory Policies, (February 2006)

## **2. Supervision of Doctoral Thesis, under progress : 5**

## **3. Supervision of awarded M. Phil dissertations : 24**

1. **Indu Yadav** : Managing Inventories under VMI System (March 2017)
2. **Jitendra Singh** : Interaction Between Inventory and Marketing Polices (March 2017)
3. **Thennarasu Kumarasamy** : Multi Item Inventory Modeling (November 2015)
4. **Meenu Jain** : Inventory Management of Imperfect Quality Items (December 2013)
5. **Pooja Sachdeva**: Study on Reliability Models for open Source Software Systems (December 2013)
6. **Sunil Tiwari** : Study of Two-Warehouse Models in Inventory Control (July 2013)
7. **Astha Khanna** : Inventory Management of Deteriorating items (April 2013)
8. **Preeti Arora** : Vendor – Buyer Coordination (August 2012)
9. **Stuti Gupta** : Vendor Managed Inventory (VMI), (December 2011)
10. **Megha Batra** : Price Change Anticipation Models And Price Dependent Demand Models in Inventory Management, (December 2011)

11. **Sachin Gupta** : Inventory Management under the Impact of Trade Credit, (August 2010)
12. **Parul Jain** : Inventory Management of Multi Storage problem, (August 2010)
13. **Vishal Kumar** : Inventory Management of Deteriorating items, (May 2007)
14. **Rajesh Srivastava:** Inventory Management of Multi storage Problem, (January 2007)
15. **Anu Kalra** : Inventory Management of items with Stock Dependent Demand, (August 2005)
16. **Ekta Sharma** : Inventory Management of items with Trade Credit Policies, (August 2005)
17. **Ruchi Jain** : Price Change Anticipation Problems and Inventory Management (August 2005)
18. **Amrina Kausar** : Inventory Management of Deteriorating Items, (January 2005)
19. **Mona Verma** : Studies in Supply Chain Management, (October 2004)
20. **Shruti Sondhi** : Inventory Policies: An Interaction with Marketing and Queues (September 2004)
21. **Aditi Goswami** : Inventory Policies :An Interaction With Marketing And Queues, (January 2005)
22. **Shalini Midha** : Inventory Management of items with Deterioration, submitted at Kurukshetra University, (December 2002)
23. **Bharspati Sharma:** Price Change Anticipation Problems and Inventory Management, (May 1999)
24. **Vibba Pabreja** : Inventory Management of items with Deterioration, (May 1997)

#### **4. Supervision of M. Phil dissertations, under progress: 02**

#### **Publications Profile**

List against each head (If applicable) (as Illustrated with examples)

#### **1. Books/Monographs(Authored/Edited)**

#### **BOOK CHAPTERS:**

- 1) **Jaggi, C. K. & Tiwari S.** (2014). Two-Warehouse inventory model for non-instantaneous deteriorating items with price dependent demand and time-varying holding cost. In Om Parkash (Eds.), *Mathematical Modeling and Applications*, Chapter 15, pp. 225 - 238. (ISBN-13: 978-3-659-59470-0, ISBN-10:3659594709) (LAMBERT Academic Publishers).
- 2) **Jaggi, C. K. & Sharma, A.** (2014). Fuzzification of EOQ model with Allowable Shortage under the Condition Permissible Delay in payments. In Om Parkash (Eds.), *Mathematical Modeling and Applications*, Chapter 16, pp. 239 - 258. (ISBN-13: 978-3-659-59470-0, ISBN-10: 3659594709) (LAMBERT Academic Publishers)
- 3) **Jaggi, C. K., Sharma, A. & Jain, R.** (2014). EOQ Model with Permissible Delay in Payments under Fuzzy Environment. *Analytical Approaches to Strategic Decision-Making*, by Prof. Madjid Tavana, La Salle University, USA, IGI Global, USA. Chapter 14, pp. 281- 296.
- 4) **Jaggi, C. K., Pareek, S., Khanna A. & Sharma, R.** (2014). Ordering policy in a two-warehouse environment for deteriorating items under inflationary conditions. *Analytical Approaches to Strategic Decision-Making*, by Prof. Madjid Tavana, La Salle University, USA, IGI Global, USA. Chapter 16, 320-338.
- 5) **Jaggi, C. K. & Mittal, M.** (2013). Ordering Policy for Imperfect-Quality Deteriorating Items with Initial-Inspection and Allowable Shortage under the Condition of Permissible Delay in Payments. *Management Science, Logistics, and Operations Research* by Prof. John Wang, Mont Clair State University, USA IGI Global, USA. Chapter 5, pp 170-185.
- 6) **Jaggi, C. K., Goel, S. K. & Mittal, M.** (2012). Pricing and Replenishment Policies for Imperfect Quality Deteriorating Items under Inflation and Permissible Delay in Payments", *Management Theories and Strategic Practices for Decision Making* by Prof. Madjid Tavana, La Salle University, USA, IGI Global, USA., Chapter 10, pp 170-185.
- 7) **Jaggi, C. K. & Kausar, A.** (2012). Retailer's Ordering Policy in a Supply Chain when Demand is Price and Credit Period Dependent. *Management Theories and Strategic Practices for Decision Making* by Prof. Madjid Tavana, La Salle University, USA, IGI Global, USA., Chapter 14, pp.262-277.

## **2. Research papers published in Refereed/Peer Journals (International/National):**

-

- 1) Tiwari, S., **Jaggi, C. K.**, Gupta, M., & Cárdenas-Barrón, L. E. (2018). Optimal pricing and lot-sizing policy for supply chain system with deteriorating items under limited storage capacity. *International Journal of Production Economics*, 200, 278-290. (**Impact Factor: 2.752 in JCR**) (**H Index: 100**) (**SNIP: 2.475**) (**SJR: 2.786**) (*Elsevier*), (**SCIE Indexed**).
- 2) **Jaggi, C. K.**, Goel, S. K., & Tiwari, S. (2018). Two-Warehouse Inventory model for Non-Instantaneous Deteriorating Items under Different Dispatch Policies. *Investigación Operacional*, 38(4), 343-365.
- 3) **Jaggi, C. K.**, Jain, R., & Verma, M. (2018). Impact of Demonetization on Supply Chain in Indian

Context. *AIMS International Journal of Management*, 12 (1), 1-10.

- 4) **Jaggi, C. K.**, Gupta, M., Kausar, A., & Tiwari, S. (2018). Inventory and credit decisions for deteriorating items with displayed stock dependent demand in two-echelon supply chain using Stackelberg and Nash equilibrium solution. *Annals of Operations Research*, 1-21. **(Impact Factor: 1.217 in JCR) (H Index: 70) (SNIP: 1.124) (SJR: 1.115) (Springer), (SCIE Indexed).**
- 5) **Jaggi, C. K.**, Gautam, P., & Khanna, A. (2018). Inventory Decisions for Imperfect Quality Deteriorating Items with Exponential Declining Demand Under Trade Credit and Partially Backlogged Shortages. *In Quality, IT and Business Operations* (pp. 213-229). Springer, Singapore.
- 6) Aggarwal, A. G., **Jaggi, C. K.**, & Nijhawan, N. (2017). Optimal Release Policy for Multi-Release Software System. *International Journal of Operations Research and Information Systems*, 8(3), 21-38.
- 7) **Jaggi, C. K.**, Tiwari, S., Gupta, M., & Wee, H. M. (2017). Impact of credit financing, storage system and changing demand on investment for deteriorating items. *International Journal of Systems Science: Operations & Logistics*, 1-19.
- 8) Tiwari, S., **Jaggi, C. K.**, Bhunia, A. K., Shaikh, A. A., & Goh, M. (2017). Two-warehouse inventory model for non-instantaneous deteriorating items with stock-dependent demand and inflation using particle swarm optimization. *Annals of Operations Research*, 254(1-2), 401-423. **(Impact Factor: 1.217 in JCR) (H Index: 70) (SNIP: 1.124) (SJR: 1.115) (Springer), (SCIE Indexed).**
- 9) **Jaggi, C. K.**, Cárdenas-Barrón, L. E., Tiwari, S., & Shafi, A. A. (2017). Two-warehouse inventory model for deteriorating items with imperfect quality under the conditions of permissible delay in payments. *Scientia Iranica. Transaction E, Industrial Engineering*, 24(1), 390.
- 10) Sharma, A. K., **Jaggi, C. K.**, & Tiwari, S. (2017). Optimal replenishment policy for price dependent demand in different financial scenario under fuzzy environment. *International Journal of Inventory Research*, 4(2-3), 103-131.
- 11) Dhaka, V., Pareek, S., & **Jaggi, C. K.** (2017). Inventory model for optimal pricing and ordering policies under two-level trade credits. *International Journal of Procurement Management*, 10(5), 555-567.
- 12) Mittal, M., Khanna, A., & **Jaggi, C. K.** (2017). Retailer's ordering policy for deteriorating imperfect quality items when demand and price are time-dependent under inflationary conditions and permissible delay in payments. *International Journal of Procurement Management*, 10(4), 461-494.
- 13) Khanna, A., Kishore, A., & **Jaggi, C. K.** (2017). Inventory Modeling for Imperfect Production Process with Inspection Errors, Sales Return, and Imperfect Rework Process. *International*



- 14) Khanna, A., Gautam, P., & Jaggi, C. K. (2017). Inventory Modeling for Deteriorating Imperfect Quality Items with Selling Price Dependent Demand and Shortage Backordering under Credit Financing, *International Journal of Mathematical, Engineering and Management Sciences*, 2(2), 110-124. ISSN: 2455-7749
- 15) Tiwari, S., Jaggi, C. K., Bhunia, A. K., Shaikh, A. A., & Goh, M. (2017). Two-warehouse inventory model for non-instantaneous deteriorating items with stock-dependent demand and inflation using particle swarm optimization. *Annals of Operations Research*, 1-23. (Impact Factor: 1.217)(H Index: 70) (SNIP: 1.124) (SJR: 1.115) (Springer Netherlands), (SCIE Indexed).
- 16) Mittal, M., Khanna, A., & Jaggi, C. K. (2017). Retailer's ordering policy for deteriorating imperfect quality items when demand and price are time-dependent under inflationary conditions and permissible delay in payments. *International Journal of Procurement Management*, 10(4), 461-494. (H Index: 17) (Scopus Indexed)
- 17) Jaggi, C. K., Goel, S. K. & Tiwari S. (2017). Two-Warehouse Inventory Model for Non-Instantaneous Deteriorating Items under Different Dispatch Policies. *Revista Investigacion Operacional*, 38(4), 343-365 (Published Since 1966).
- 18) Jaggi, C. K., Cárdenas-Barrón, L. E., Tiwari, S., & Shafi, A. A. (2017). Two-warehouse inventory model for deteriorating items with imperfect quality under the conditions of permissible delay in payments. *Scientia Iranica. Transaction E, Industrial Engineering*, 24(1), 390 - 412. (Impact Factor: 1.025) (H Index: 18) (SNIP:0.54) (SJR: 0.57) (Elsevier), (SCIE Indexed).
- 19) Khanna, A., Kishore, A., & Jaggi, C. K. (2017). Strategic production modeling for defective items with imperfect inspection process, rework, and sales return under two-level trade credit. *International Journal of Industrial Engineering Computations*, 8(1), 85-118. (H Index: 11) (SNIP: 0.953) (SJR: 0.586) (Growing Science), (Scopus Indexed).
- 20) Jaggi, C. K., Tiwari, S., & Goel, S. K. (2017). Credit financing in economic ordering policies for non-instantaneous deteriorating items with price dependent demand and two storage facilities. *Annals of Operations Research*, 248(1-2), 253-280. (Impact Factor: 1.217 in JCR) (H Index: 70) (SNIP: 1.124) (SJR: 1.115) (Springer Netherlands), (SCIE Indexed).
- 21) Jaggi, C. K., Ali, H., & Arneja, N. (2016). A technical note on periodic inventory model with controllable lead time under service level constraint. *Electronic Journal of Applied Statistical Analysis*, 9(1), 83-94. (Scopus Indexed).
- 22) Tiwari, S., Cárdenas-Barrón, L. E., Khanna, A., & Jaggi, C. K. (2016). Impact of trade credit and

- inflation on retailer's ordering policies for non-instantaneous deteriorating items in a two-warehouse environment. *International Journal of Production Economics*, 176, 154-169. (Impact Factor: 2.752 in JCR) (H Index: 100) (SNIP: 2.475) (SJR: 2.786) (Elsevier), (SCIE Indexed).
- 23) Khanna, A., Kishore, A., & Jaggi, C. K. (2016). Impact of inflation and trade credit policy on an inventory model for imperfect quality items with allowable shortages. *Control and Cybernetics*, 45( 1), 37-82. (H Index:32)
- 24) Jaggi, C. K., Tiwari, S., & Goel, S. (2016). Replenishment policy for non-instantaneous deteriorating items in a two storage facilities under inflationary conditions. *International Journal of Industrial Engineering Computations*, 7(3), 489-506. (H Index: 11) (SNIP: 0.953) (SJR: 0.586) (Growing Science), (Scopus Indexed)
- 25) Jaggi, C. K., Yadavalli, V. S. S., Sharma, A., & Tiwari, S. (2016). A fuzzy EOQ model with allowable shortage under different trade credit terms. *Appl. Math. Inf. Science*, 10(2), 785-805. (Impact Factor: 1.232 in JCR) (H Index: 15) (SJR: 0.33) (Natural Sciences Publishing), (SCIE Indexed).
- 26) Jaggi, C. K., Pareek, S., Khanna, A., & Nidhi, N. (2016). Optimal replenishment policy for fuzzy inventory model with deteriorating items and allowable shortages under inflationary conditions. *Yugoslav Journal of Operations Research*, 26(4), 507 – 526. (H Index: 12) (Scopus Indexed).
- 27) Dhaka, V., Jaggi, C. K., Pareek, S., & Rai, P. K. (2016). A Gentle Introduction to the Bayesian Paradigm for Some Inventory Models. In *Optimal Inventory Control and Management Techniques* (pp. 340-359). IGI Global.
- 28) Khanna, A., Mittal, M., Gautam, P., & Jaggi, C. K. (2016). Credit financing for deteriorating imperfect quality items with allowable shortages. *Decision Science Letters*, 5(1), 45-60. (H Index: 7) (SNIP: 0.489) (SJR: 0.31) (Growing Science), (Scopus Indexed).
- 29) Jaggi, C. K., Khanna, A., & Nidhi, N. (2016). Effects of inflation and time value of money on an inventory system with deteriorating items and partially backlogged shortages. *International Journal of Industrial Engineering Computations*, 7(2), 267-282. (H Index: 11) (SNIP: 0.953) (SJR: 0.586) (Growing Science), (Scopus Indexed)
- 30) Jaggi, C. K., Tiwari, S., & Shafi, A. (2015). Effect of deterioration on two-warehouse inventory model with imperfect quality. *Computers & Industrial Engineering*, 88, 378-385. ISSN: 0360-8352. (Elsevier), (SCI Indexed) (Impact Factor: 2.623, H Index 98, SNIP: 1.860, SJR: 1.583)
- 31) Jaggi, C. K. (2015). Growth of Inventory Models under Trade Credit. *Amity Global Business Review*, 10. ISSN: 0975-511X
- 32) Jaggi, C. K., Verma, P., & Gupta, M. (2015). Ordering policy for non-instantaneous

- deteriorating items in two warehouse environment with shortages. *International Journal of Logistics Systems and Management*, 22(1), 103-124. (H Index: 21) (Scopus Indexed).
- 33) Jaggi, C. K., Sharma, A., & Tiwari, S. (2015). Credit financing in economic ordering policies for non-instantaneous deteriorating items with price dependent demand under permissible delay in payments: A new approach. *International Journal of Industrial Engineering Computations*, 6(4), 481-502. (H Index: 11) (SNIP: 0.953) (SJR: 0.586) (Growing Science), (Scopus Indexed).
- 34) Jaggi, C. K., Yadavalli, V. S. S., Verma, M., & Sharma, A. (2015). An EOQ model with allowable shortage under trade credit in different scenario. *Applied Mathematics and Computation*, 252, 541-551. (SCI Indexed) (Impact Factor: 1.738 in JCR) (H Index: 112).
- 35) Jaggi, C. K., Pareek, S., Khanna, A., & Sharma, R. (2015). Two-warehouse inventory model for deteriorating items with price-sensitive demand and partially backlogged shortages under inflationary conditions. *International Journal of Industrial Engineering Computations*, 6(1), 59-80. (H Index: 11) (SNIP: 0.953) (SJR: 0.586) (Growing Science), (Scopus Indexed).
- 36) Jaggi, C. K., Verma, P., & Gupta, M. (2015). An Inventory Model for Deteriorating Items with Two Levels of Storage and Displayed Stock-Dependent Demand Rate. *International Journal of Advance Research in Science and Engineering*, 4(02), 469-481. ISSN-2319-8354(E).
- 37) Jaggi, C. K., Pareek, S., Khanna, A., & Sharma, R. (2014). Credit financing in a two-warehouse environment for deteriorating items with price-sensitive demand and fully backlogged shortages. *Applied Mathematical Modelling*, 38(21), 5315-5333. (SCI Indexed) (Impact Factor: 2.351, SNIP: 1.816, SJR: 1.283, H Index: 112)
- 38) Aggarwal, K. K., Jaggi, C. K., & Kumar, A. (2013). Inventory Control of New Products with Price Change Anticipation under Influence of Innovation Diffusion Process. *International Journal of E-Business Development*, 4(2), 61-74. (ISSN: 2225-7411 (Print) ISSN: 2226-7336(Online).
- 39) Jaggi, C. K. (2014). An Optimal Replenishment Policy for Non Instantaneous Deteriorating Items with Price Dependent Demand and Time-Varying Holding Cost. *International Scientific Journal on Science Engineering & Technology*, 17(03), 100 – 106. ISSN: 2349-6657 (Impact Factor: 1.873).
- 40) Jaggi, C. K., Mittal, M., Gulia, J., Singh, P., & Sharma, R. (2014). Credit Financing in Economic Ordering Policies for Defective Items with Order Overlapping. *International Journal of Modeling and Optimization*, 4(1), 1- 4. (ISSN: 2010-3697)
- 41) Bhunia, A. K., Jaggi, C. K., Sharma, A., & Sharma, R. (2014). A two-warehouse inventory model for deteriorating items under permissible delay in payment with partial backlogging. *Applied Mathematics and Computation*, 232, 1125-1137. (SCI Impact Factor: 1.551, SNIP: 1.378, SJR: 0.958, H Index: 91)
- 42) Jaggi, C. K., Ali, H., & Arneja, N. (2014). Periodic inventory model with controllable lead time

where backorder rate depends on protection interval. *International Journal of Industrial Engineering Computations*, 5(2), 235-248. (SNIP: 0.953, SJR: 0.586, H Index: 18).

- 43) Bhunia, A. K., Mahato, S. K., Shaikh, A. A., & Jaggi, C. K. (2014). 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 & Logistics*, 1(3), 164-180. (ISSN: 2330-2674 (Print), 2330-2682 (Online)).
- 44) Jaggi, C. K., Ali, H., & Arneja, N. (2013). Periodic Review Inventory Model with Controllable Lead Time under Service level Constraint where Backorder Rate depends on Protection Interval. *International Journal of Inventory Control & Management*, 3(1-2), 303– 327. ISSN-(Printing) 0974-7273, (Online) 0975-3761
- 45) Aggarwal, K. K., Jaggi, C. K., & Kumar, A. (2013). An inventory decision model when demand follows innovation diffusion process under effect of technological substitution. *Advances in Decision Sciences*, 2013, 1-10. Article ID 915657 (H Index: 3).
- 46) Jaggi, C. K., Goel, S. K., & Mittal, M. (2013). Credit financing in economic ordering policies for defective items with allowable shortages. *Applied Mathematics and Computation*, 219(10), 5268-5282. (SCI Impact Factor: 1.551, SNIP: 1.378, SJR: 0.958, H Index: 91)
- 47) Jaggi, C. K., Mittal, M., & Khanna, A. (2013). Effects of inspection on retailer's ordering policy for deteriorating items with time-dependent demand under inflationary conditions. *International Journal of Systems Science*, 44(9), 1774-1782. (Impact factor: 1.579) (H Index: 44).
- 48) Jaggi, C. K., Goyal, S. K., Kapur, P. K., & Goel, S. K. (2013). Replenishment decisions under two-level credit policy for flexible credit linked demand. *International Journal of Operational Research*, 18(3), 239-254. (Scopus Indexed) (H Index: 14)
- 49) Jaggi, C. K., Khanna, A., Pareek, S., & Sharma, R. (2013). Ordering Policy in a Two-Warehouse Environment for Deteriorating Items with Shortages under Inflationary Conditions. *International Journal of Strategic Decision Sciences*, 4(2), 27-47. (H Index: 8) (Impact Factor: 0.64).
- 50) Jaggi, C. K., Pareek, S., Verma P. & Sharma R. (2013). Ordering policy for deteriorating items with time-dependent shortages in a two-warehouse environment. *International Journal of Logistics and Systems Management*, 16(1), 16–40. (H Index: 14).
- 51) Jaggi, C. K., & Verma, M. (2012). Two echelon partial trade credit financing in a supply chain derived algebraically. *Yugoslav Journal of Operations Research*, 22(2), 163-182. (Scopus Indexed) (H Index: 8)
- 52) Jaggi, C. K., Pareek, S., & Sharma, A. (2012). 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 (IJAIE)*, 1(2), 53-79. (Impact Factor 0.64)
- 53) Jaggi, C. K., Sharma, A., & Jain, R. (2012). Fuzzification of EOQ model under the condition of permissible delay in payments. *International Journal of Strategic Decision Sciences (IJSDS)*, 3(2), 1-19. (H Index: 1) (Impact Factor: 0.64)
- 54) Jaggi, C. K., Pareek, S., & Sharma, A. (2012). Fuzzy inventory model for deteriorating items with time-varying demand and shortages. *American Journal of Operational Research*, 2(6), 81-92. (p-ISSN: 2324-6537 e-ISSN: 2324-6545) (Impact factor 0.45)
- 55) Jaggi, C. K., Sharma A. & Mandeep Mittal (2012). A Fuzzy Inventory Model for Deteriorating Items with Initial Inspection and Allowable Shortage under the Condition of Permissible Delay in Payment. *International Journal of Inventory Control and Management - Special Issue on International Conference on Applied Mathematics & Statistics*, 2(2), 167- 200. ISSN- 0975-3729
- 56) Jaggi, C. K., Kapur, P. K., Goyal, S. K., & Goel, S. K. (2012). 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 System Assurance Engineering and Management*, 3(4), 352-359. (H Index: 4)
- 57) Jaggi, C. K., Bhunia, A. K., Sharma A. & Nidhi (2012). Fuzzy EOQ model for deteriorating items with price dependent demand and time-varying holding cost. *AMO – Advanced Modeling and Optimization*, 14(3), 557-576. ISSN: 1841-4311.
- 58) Jaggi, C. K., Aggarwal, K. K., & Verma, M. (2012). Optimal retailer's ordering policies under two-stage partial trade credit financing in a supply chain. *International Journal of Industrial and Systems Engineering*, 10(3), 277-299. (H Index: 14)
- 59) Jaggi, C. K., & Verma, M. (2012). Analysis of trade credit financing in an EPQ environment with credit sensitive demand. *International Journal of Operations Research and Optimization*, 3(1), 107-122. (ISSN: 0975-3737)
- 60) Jaggi, C. K., & Mittal, M. (2012). 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 (IJAIE)*, 1(1), 64-79. (Impact Factor: 0.64)
- 61) Jaggi, C. K., Verma, M., & Kausar A. (2011). Retailer's Optimal Credit and Replenishment Policy for Deteriorating Items Using a Flexible Credit Demand. *M R International Journal of Engineering and Technology*, 3(2), 1-9.
- 62) Jaggi, C. K., Arneja, N., & Ali, H. (2011). Stochastic integrated vendor-buyer model with

- negative exponential crashing cost. *M R International Journal of Engineering and Technology*, 3(2), 35-41.
- 63) Jaggi, C. K. & Arneja, N. (2011). Impact of Backorder Discount in Continuous Inventory Model with Uncertain Received Quantity. *Mathematical Modelling and applied Computing*, 2(2), 187-205.
- 64) Jaggi, C. K., & Arneja, N. (2011). Periodic inventory model with reduced setup cost under service level constraint. *Electronic Journal of Applied Statistical Analysis*, 4(2), 111-123. (Index Copernicus International (Official Index Copernicus Value 2010: 5.91)) (H Index: 3)
- 65) Jaggi, C. K., & Mittal, M. (2011). Economic order quantity model for deteriorating items with imperfect quality. *International Journal Revista Invetigacion Operacional*, 32(2), 107-113. (Published Since 1966)
- 66) Aggarwal, K. K., Jaggi, C. K., & Kumar, A. (2011). Economic order quantity model with innovation diffusion criterion having dynamic potential market size. *International Journal of Applied Decision Sciences*, 4(3), 280-303. (H Index: 7)
- 67) Jaggi, C. K., Goel, S. K., & Mittal, M. (2011). Pricing and replenishment policies for imperfect quality deteriorating items under inflation and permissible delay in payments. *International Journal of Strategic Decision Sciences*, 2(2), 20-35. (H Index: 1) (Impact Factor: 0.64)
- 68) Jaggi, C. K., Khanna, A., & Verma, P. (2011). Two-warehouse partial backlogging inventory model for deteriorating items with linear trend in demand under inflationary conditions. *International Journal of Systems Science*, 42(7), 1185-1196. (Impact factor: 1.579) (H Index: 44)
- 69) Aggarwal, K. K., Jaggi, C. K., & Kumar, A. (2012). Economic order quantity model under fuzzy sense when demand follows innovation diffusion process having dynamic potential market size. *International Journal of Services and Operations Management*, 13(3), 361-391. (H Index: 13)
- 70) Jaggi, C. K., & Arneja, N. (2011). Application of Chebyshev Inequality in Stochastic Inventory Model with Controllable Lead Time and Backorder Discount. *International Journal of Inventory Control & Management*, 1(1), 17-36. ISSN: 0975-3729
- 71) Jaggi, C. K., Goel, S. K., & Mittal, M. (2011). Economic order quantity model for deteriorating items with imperfect quality and permissible delay on payment. *International Journal of Industrial Engineering Computations*, 2(2), 237-248. (H Index: 8)
- 72) Jaggi, C. K., & Arneja, N. (2011). Stochastic integrated vendor buyer model with unstable lead time and setup cost. *International Journal of Industrial Engineering Computations*, 2(1), 123-140. (H Index:8)
- 73) Jaggi, C. K., & Verma, M. (2010). Ordering policies under supplier-retailer partial trade credit financing. *Opsearch*, 47(4), 293-310. (H Index:5)
- 74) Jaggi, C. K., Verma, M., & Kausar, A. Customer Based Two Stage Credit Policies in a Supply

Chain. *International Journal of Logistics & Transportation Research*, 1(2), 1-12

- 75) **Jaggi, C. K.**, Khanna, A., & Mittal, M. (2011). Credit financing for deteriorating imperfect-quality items under inflationary conditions. *International Journal of Services Operations and Informatics*, 6(4), 292-309. (H Index: 7)
- 76) Soni, H., Shah, N. H., & **Jaggi, C. K.** (2010). Inventory models and trade credit: a review. *Control and Cybernetics*, 39, 867-882. (H Index:32)
- 77) **Jaggi, C. K.** (2010, December). An EPQ model under partial trade credit financing with credit sensitive demand. In *Industrial Engineering and Engineering Management (IEEM), 2010 IEEE* (pp. 1112-1117).
- 78) **Jaggi, C. K.**, & Kausar, A. (2010). Retailer's optimal credit and replenishment policy for deteriorating items with credit linked demand in a supply chain. *International Journal of Applied Decision Sciences*, 3(2), 117-131. (H Index:7)
- 79) Shah, N. H., & **Jaggi, C. K.** (2010). A Production-Inventory Model in a Supply Chain with Imperfect Production Process and Exponential Deterioration of Units. *Journal Of IMS Group (Special issue on "Supply Chain & Logistics Management")*, 7(1), 43-51.
- 80) **Jaggi, C. K.**, & Verma, P. (2010). An optimal replenishment policy for non-instantaneous deteriorating items with two storage facilities. *International Journal of Services Operations and Informatics*, 5(3), 209-230. (H Index: 7)
- 81) **Jaggi, C. K.**, Aggarwal, K. K., & Verma, P. (2010). Inventory and pricing strategies for deteriorating items with limited capacity and time-proportional backlogging rate. *International Journal of Operational Research*, 8(3), 331-354. (H Index: 14)
- 82) **Jaggi, C. K.**, Kapur, P. K., & Verma, M. (2010). An EPQ Model for Two Echelon Trade Credit in a Supply Chain When End Demand Is Credit Sensitive. *International Journal of Logistics & Supply Chain Management*, 2(1), 47-54.
- 83) **Jaggi, C. K.**, & Arneja, N. (2010). Periodic inventory model with unstable lead-time and setup cost with backorder discount. *International Journal of Applied Decision Sciences*, 3(1), 53-73. (H Index: 7)
- 84) **Jaggi, C. K.**, & Verma, P. (2010). A deterministic order level inventory model for deteriorating items with two storage facilities under FIFO dispatching policy. *International Journal of Procurement Management*, 3(3), 265-278. (H Index: 12)
- 85) **Jaggi, C. K.**, & Khanna, A. (2010). 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*, 2(4), 491-514. (H Index: 10)
- 86) **Jaggi, C. K.**, Aggarwal, K. K., & Verma, P. (2010). Two-warehouse inventory model for

- deteriorating items when demand is price sensitive. *International Journal of Operational Research*, 7(4), 530-551. (H Index: 14)
- 87) Jaggi, C. K., Aggarwal, K. K., & Verma, M. (2010). Allocation Game in a Single Period Supply Chain Model. *Revista Investigación Operacional*, 31(2), 95-104. (Published Since 1966)
- 88) Jaggi, C. K., & Verma, P. (2009). Two-warehouse inventory model for deteriorating items with linear trend in demand and shortages under inflationary conditions. *International Journal of Procurement Management*, 3(1), 54-71. (H Index: 12)
- 89) Jaggi, C. K., & Verma, M. (2009). Retailer's ordering policy for deteriorating items in a supply chain with varying deterioration rates. *International Journal of Advanced Operations Management*, 1(2-3), 250-266. (H Index: 4)
- 90) Jaggi, C. K., & Khanna, A. (2009). Retailer's ordering policy for deteriorating items with inflation-induced demand under trade credit policy. *International journal of operational research*, 6(3), 360-379. (H Index: 14)
- 91) Jaggi, C. K., & Kausar, A. (2009). Inventory decisions for deteriorating items under two-stage trade credit with credit period induced demand. *International Journal of Applied Decision Sciences*, 2(1), 74-86. (H Index: 7)
- 92) Jaggi, C. K., & Khanna, A. (2009). The retailer's procurement policy with credit-linked demand under inflationary conditions. *International Journal of Procurement Management*, 2(2), 163-179. (H Index: 12)
- 93) Jaggi, C. K., & Khanna, A. (2008). An integrated production-inventory-marketing model under inflationary conditions for deteriorating items. *International Journal of Applied Decision Sciences*, 1(4), 435-454. (H Index: 7)
- 94) Jaggi, C. K., & Verma, P. (2008). Joint optimization of price and order quantity with shortages for a two-warehouse system. *TOP*, 16 (1), 195-213. (Impact factor: 0.766)
- 95) Jaggi C. K., Aggarwal, K. K. & Verma, P. (2008). Two-Warehouse Inventory Model when Demand is Price Sensitive. *Indian Journal of Mathematics and Mathematical Sciences*, Vol. 4, No.1, pp. 117-129.
- 96) Jaggi, C. K. (2008). Two-Warehouse Inventory Model When Demand Is Price Sensitive. *Indian Journal of Mathematics and Mathematical Sciences* Vol, 4 (1), 53-65.
- 97) Jaggi, C. K., Goyal, S. K., & Goel, S. K. (2008). Retailer's optimal replenishment decisions with credit-linked demand under permissible delay in payments. *European Journal of Operational Research*, 190(1), 130-135. (Impact factor: 2.625) (H Index: 149)
- 98) Jaggi, C. K., & Khanna, A. (2008). Impact of inflation and credit policies on a production lot size model. *Canadian Journal of Pure and Applied Sciences*, 2(1), 243-249. (Global Impact Factor: 2.657 (2012))
- 99) Jaggi, C. K., & Mittal, M. (2007). An EOQ Model for Deteriorating Items with Time-dependent



- Demand under Inflationary Conditions. *Indian Journal of Mathematics and Mathematical Sciences* 3 (2), 139-147.
- 100) Jaggi, C. K., & Mittal, M. (2007). An EOQ Model for Deteriorating Items With Time-Dependent Demand Under Inflationary Conditions. *Indian Journal of Mathematics and Mathematical Sciences*, 3(2), 139-147.
- 101) Jaggi, C. K., Khanna, A. & Goel, S. K. (2007). "Progressive Credit Policy in A Supply Chain Model under Inflationary Conditions", *Mathematics Today*, 23(2), 1-18.
- 102) Jaggi, C. K., Kausar, A., & Khanna, A. (2007). 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-NEW DELHI*-, 44(2), 172-182. (H Index: 6)
- 103) Jaggi, C. K., Aggarwal, K. K., & Goel, S. K. (2007). Retailer's optimal ordering policy under two stage trade credit financing. *Advanced modeling and optimization*, 9(1), 67-80. (*Global Impact Factor: 0.420 (2012)*)
- 104) Jaggi, C. K., Goel S. K. & Kausar A. (2007). Joint Optimization of Price and Cycle Length under Two-Stage Credit Policy with Credit-Linked Demand. *Revista Investigación Operacional, Cuba*, 28(3), pp.196-203. (Published Since 1966)
- 105) Jaggi, C. K., Shah N. H. & Kausar A. (2007). Optimization of Channel Profit for Deteriorating Items under Permissible Delay in Payments when end Demand is Price Sensitive. *Revista Investigación Operacional, Cuba*, 28(3), pp. 204-216. (Published Since 1966)
- 106) Jaggi, C. K., Aggarwal, K. K., & Goel, S. K. (2006). Optimal order policy for deteriorating items with inflation induced demand. *International Journal of Production Economics*, 103(2), 707-714. (Impact Factor: 1.760) (H Index: 89)
- 107) Jaggi, C. K., & Goel, S. K. (2005). Economic ordering policies of deteriorating items with trade credit under inflationary conditions. *International J of Mathematical Sciences*, 4(2), 287-298.
- 108) Jaggi, C. K., Kausar, A. & Goel, S. K. (2005). Impact of Media Insertions on Production-Inventory System of Deteriorating items. *International J of Mathematical Sciences*, 4, 403-414.
- 109) Jaggi, C. K., Aggarwal, K. K., & Goel, S. K. (2005). A marketing - oriented inventory model for stock-dependent demand rate under permissible delay in payments. *Indian Journal of Mathematics and Mathematical Sciences*, 1, 9-21.
- 110) Abad, P. L., & Jaggi, C. K. (2003). 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*, 83(2), 115-122. (Impact factor: 1.760) (H Index: 89)
- 111) Aggarwal, S. P., & Jaggi, C. K. (1999). Ordering and pricing policies with quantity discount

for deteriorating items. *International Journal of Management and Systems*, 15(1), 27-36.

- 112) Aggarwal, K. K., , S. P., & Jaggi, C. K. (1997). Impact of inflation and credit policies on economic ordering. *Bulletin of Pure and Applied Sciences*, 16(1), 93-100. (H Index: 3)
- 113) Jaggi, C. K., & Aggarwal, S. P. (1996). EOQ for deteriorating items with salvage value. *Bull. Pure Appl. Science*, 15, 67-71. (H Index: 3)
- 114) Aggarwal, S. P., & Jaggi, C. K. (1995). Ordering policies of deteriorating items under permissible delay in payments. *Journal of the operational Research Society*, 46, 658-662. (Impact Factor: 1.272) (H Index: 63)
- 115) Jaggi, C. K., & Aggarwal, S. P. (1994). Credit financing in economic ordering policies of deteriorating items. *International Journal of Production Economics*, 34 (2), 151-155. (Impact factor: 1.760) (H Index: 89)
- 116) Aggarwal, S. P., & Jaggi, C. K. (1989). Ordering policy for decaying inventory. *International Journal of Systems Science*, 20 (1), 151-155. (Impact factor: 1.579) (H Index: 44)
- 117) Jaggi, C. K. & Aggarwal, S. P. (1988) Optimum inventory level with partial backlogging, *Journal of Information and Optimization Sciences*, 9(3), 437-444.
- 118) Aggarwal, S. P. & Jaggi, C. K. (1987). Economic order quantity with inflation under all units discount of deteriorating items. *Indian Journal of Management and Systems*, 3(1), 43-52.
- 119) Aggarwal, S. P. and Jaggi, C. K. (1986). A note on lot size model for exponentially deteriorating inventory with finite production rate. *Indian Journal of Management and Systems*, 2(1), 15-18.

#### Refereed (Proceedings):

- 1) Jaggi, C. K., Gautam, P., & Khanna, A. (2018). Credit Policies for Deteriorating Imperfect Quality Items with Exponentially Increasing Demand and Partial Backlogging. In Handbook of Research on *Promoting Business Process Improvement Through Inventory Control Techniques* (pp. 90-106). IGI Global.
- 2) Jaggi, C. K., Gautam, P., & Khanna, A. (2018). A Study on Imperfect Production System under Maintenance Strategies and Warranty. In Handbook of Research on *Promoting Business Process Improvement Through Inventory Control Techniques* (pp. 371-387). IGI Global.
- 3) Khanna, A., Gautam, P. & Jaggi, C. K. (2016). Coordinating vendor-buyer decisions for imperfect quality items considering trade credit and fully backlogged shortages. *Advancement in Science and Technology: Proceedings of the 2nd International Conference on Communication Systems (ICCS-2015)* (Vol. 1715, pp. 020065). AIP Publishing. (H Index: 34)
- 4) Jaggi, C. K., Khanna, A., & Kishore, A. (2016). Production inventory policies for defective items

with inspection errors, sales return, imperfect rework process and backorders. *Advancement in Science and Technology: Proceedings of the 2nd International Conference on Communication Systems (ICCS-2015)* (Vol. 1715, pp. 020065). AIP Publishing. (H Index: 34)

- 5) Aggarwal K. K., Jaggi, C. K. & Kumar, A. (2012). Inventory Decisions for Deteriorating Items with Variable Carrying Cost under Inflationary Conditions. *Mathematical Modelling, Optimization and their Applications*, Eds. P C Jha and M N Hoda, pp. 20-27.
- 6) Jaggi, C. K., Jain, R. & Sharma, A. (2011). Optimal Ordering and Transfer Policy for an Inventory Model with Fuzzy Stock Dependent Demand. *Proceedings of the International Congress on Productivity, Quality, Reliability, Optimization and Modeling (ICPQROM - 2011)*, Eds. S.S. Handa, C Umashankar and Ashis K. Chakraborty, Allied Publishers Pvt. Ltd, pp.532-543.
- 7) Jaggi, C. K. & Verma, M. (2011). An Inventory Model under Two Stage Partial Trade Credit Financing Derived without Derivatives. *Proceedings of the International Congress on Productivity, Quality, Reliability, Optimization and Modeling (ICPQROM - 2011)*, Eds. S.S. Handa, C Umashankar and Ashis K. Chakraborty, Allied Publishers Pvt. Ltd, pp. 544-556.
- 8) Jaggi, C. K. & Verma, M. (2010). Optimal Replenishment policy under Retailer's Partial trade credit financing in a supply chain. *Advances in Information Theory and Operations Research* Ed. Om Parkash, pp. 312-328.
- 9) Jaggi, C. K. & Arneja, N. (2010). Vendor-Buyer Model of Defective Items Where Lead-Time and Ordering Cost are Controllable. *Advances in Information Theory and Operations Research*, Ed. Om Parkash, pp. 285-303.
- 10) Jaggi, C. K. (2010). Inventory Modeling Under Trade Credit. *Information Theory and Optimization Techniques in Scientific Research* Ed. Om Parkash pp.202-221.
- 11) Jaggi, C. K., Aggarwal, K. K. & Goel, S. K. (2005). Optimal ordering policies of deteriorating items with variable carrying cost under permissible delay in payments. *Quality, Reliability and IT (Trends & future Directions)*, Eds.: P.K. Kapur and A.K. Verma, Narosa Publications Pvt. Ltd., New Delhi., pp. 410-417.
- 12) Jaggi, C. K., Aggarwal, K. K. & Goel, S. K. (2005). Retailer's optimal ordering policy of deteriorating items under trade credit. *Vision 2020-The Strategic Role of Operational Research (Proceedings of the 37th Annual Convention of the ORSI)*, Ed. N. Ravichandran, Indian Institute of Management, Ahmedabad, pp. 695-706.
- 13) Jaggi, C. K., Aggarwal, K. K. & Goel, S. K. (2005). The optimal cycle time for EPQ inventory model of deteriorating items under permissible delay in payments. *Vision 2020-The Strategic Role of Operational Research (Proceedings of the 37th Annual Convention of the ORSI)*, Ed. N. Ravichandran, Indian Institute of Management, Ahmedabad, pp. 707-720.
- 14) Jaggi, C. K., Aggarwal, K. K. & Goel, S. K. (2004). Economic ordering policies for a finite replenishment rate inventory model under supplier-credits. *Mathematical modeling (Application, Issues and Analysis)*, Eds. Bimal K. Mishra & Dipak K. Satpathi, Birla Institute of Technology and Science, Pilani, pp. 155-162.

- 15) **Jaggi, C. K.**, Aggarwal, K. K. & Goel, S. K. (2004). Optimal ordering policies for stock-dependent demand rate with trade-credit. *Mathematical Modeling (Application, Issues and Analysis)*, Eds. Bimal K. Mishra & Dipak K. Satpathi, Birla Institute of Science, Pilani, pp. 163 - 172.
- 16) Kapur, P. K., **Jaggi, C. K.** & Bardhan, A. K. (2001). Production inventory system with demand as a function of insertions in a media. *Current Trends in Information Theory & O.R.*, Om Parkash (Ed.), pp. 223-230.
- 17) **Jaggi, C. K.** & Aggarwal, S. P. (1995). Optimum lot size with quantity discount for deteriorating items under inflationary conditions. *Operational Research Theory and Practice*, Edited by P.K. Kapur and V.K. Sehgal; Spaniel Publishers, New Delhi, pp. 212-220.
- 18) **Jaggi, C. K.** & Aggarwal, S. P. (1990). Deteriorating inventory and inflation. *Stochastic Modeling in Decision Making*, Edited by S. Biswas; Khanna Publications, New Delhi. pp. 108-117.

### Conference Organization/ Presentations (in the last three years)

#### List against each head(If applicable)

##### 1. Organization of a Conference

- Organized Seminar cum Workshop on "Workshop on Data Analytics" Department of Operational Research, University of Delhi, during February 28, 2015
- Organized Seminar cum Workshop on Operational Research: Applications, Challenges & Opportunities in Industry" , Department of Operational Research, University of Delhi, during September 6-7, 2013

##### 2. Participation as Paper/Poster Presenter

1. Chief - Guest and Resource Person in the Faculty Development Programme on "Research Methodology and LaTeX" at BK Birla Institute of Engineering & Technology, Pilani, **September 7-8, 2018**
2. National Conference on Applied Mathematical Sciences (NCAMS-2018), Department of Mathematics, Gujarat University, Ahmedabad, Gujarat, **April 14, 2018**
3. Invited Talk, Department of Statistics, Ram Lal Anand Colleges, University of Delhi, Delhi, India, **February 26, 2018.**
4. National conference on "Advances in Operations Research and Mathematical Sciences," at Vardhaman College, Bijnor (U.P.) **February 24-25, 2018.**

5. International Conference on Mathematics and its Applications' (ICMA-2018) at Department of Mathematics, The University of Burdwan, Burdwan, West Bengal, **February, 15-17,2018**
6. International Conference on "Recent Trends in Operations Research and Statistics (RTORS-2017)" at the Department of Mathematics, Indian Institute of Technology Roorkee, Roorkee, India, **December 28-30, 2017**
7. International Conference on, "Advancing Frontiers in Operational Research: Towards a Sustainable World (AFOR2017) in conjunction with the 50th Annual Convention of Operational Research Society of India at Heritage Institute of Technology, Kolkata, India, **December 21 -23, 2017**
8. Invited Talk, Department of Mathematics, Techno India University, Kolkata, **December 22, 2017**
9. Invited Talk 'Techniques of Systems Analysis, Modeling and Simulation' at ISSA, DRDO Metcalfe House, **December 12, 2017**
10. 7th International Science Congress, at College of Science and Technology Rinchending, Phuentsholing, Chukkha, Bhutan, **December 8 - 9, 2017**
11. Delivered Professor J. N. Kapur Memorial Lecture at 20th Annual Conference of Vijnana Parishad of India on, "Mathematical Sciences and Scientific Computing for Industrial Development & International Symposium on Probabilistic Models and Special Functions "at Department of Mathematics & Statistics, Manipal University Jaipur, Jaipur, **November 24-26, 2017**

**From 2007 – May 2017**

12. Workshop on Mathematical Modeling Optimization and their Applications held at **Bharati Vidyapeeth University, New Delhi** during **April, 2007**.
13. International Conference on Frontier of Mathematics & Applications held at **The University of Burdwan, W.B.**, during **January, 2008**.
14. National Conference on Recent trends in Advanced Computing held at **K.L.N. College of Information Technology, Madurai, Tamil Nadu**, during **April, 2008**.
15. National Seminar on Emerging Trends in Software Engineering, at **N.C. College of Engineering, Israna, Haryana**, during **September, 2008**.
16. National Seminar cum Work shop on Operational Research in Hospital Administration held at **All India Institute of Medical Sciences, New Delhi**, during **August, 2009**.
17. Workshop on Optimization Techniques and Their Applications to Various Disciplines held at **Guru Gobind Singh Khalsa College, Sarhali (Taran Taaran)** during **October, 2009**.
18. Work shop on Mathematical Modeling and Related Optimization Techniques held at **University of Delhi** during **December,2009**
19. 23<sup>rd</sup> international conference of Jangjeon mathematical Society at **Shahid Chamran University of Ahvaz, Iran** during **February, 2010**.
20. National Work shop Modeling, Optimization and Their Applications (Sponsored by DST) held at **Dept. of Statistics, Maharshi Dayanand University, Rohtak** during **August,**

- 2010.**
21. International Conference on Reliability, Infocom Technology and Optimization held **Lingaya's University, Faridabad, during November, 2010.**
  22. National Work shop on Inventory Modeling (Sponsored by DST) held at **Centre for Mathematical Sciences, Banasthali University, Banasthali, Rajasthan during March, 2011.**
  23. National Conference on Recent Trends in Mathematical Sciences at **Nadar Saraswathi College of Arts & Science, Theni, Tamil Nadu, during July 2011.**
  24. National Conference on Mathematical and Statistical Modeling in Innovative Areas at **BIT, Mesra, Ranchi during October, 2011.**
  25. International Conf. on Applied Mathematical Sciences at **IIM Ahmadabad, during December, 2011**
  26. National Work shop on Inventory Modeling (Sponsored by DST) held at **Centre for Mathematical Sciences, Banasthali University, Banasthali, Rajasthan during March, 2012.**
  27. **Chief Guest on the special occasion of inaugural ceremony IET Mathematics Olympiad - 12 (IETMO-12) in honor of 125<sup>th</sup> birth anniversary of Dr. S. Ramanujan, great Indian Mathematician at IET Group of Institutions, Alwar on March, 2012.**
  28. National Seminar on "Recent Trends in Advancement of Mathematical and Physical Sciences" at **D.N. College, Meerut on 17<sup>th</sup> March, 2012**
  29. National conference on Mathematical Analysis and Modelling at **SRM University, NCR Campus, Modinagar (U.P.) during March, 2012.**
  30. National Conference on Applied Mathematics (NCAM-2012) at **Parul Institute of Engineering & Technology, Vadodara during May 2012** Also the **Chaired a Session.**
  31. 6<sup>th</sup> International Conference on Quality, Reliability, Infocom Technology & Industrial Technology Management (ICQRITIM 2012) **Convention Centre, University of Delhi, during November 2012** Also the **Chaired a Session.**
  32. **Chaired a Session** at International Conference on Optimization Modelling and Applications (OPTIMA – 2012), at **VPCI Convention Centre, University of Delhi, during November – December 2012.**
  33. National Conference on Advances in Mathematical Sciences, **Kadi Sarva Vishwa Vidhyalaya, Gandhinagar (Gujarat), during December, 2012.**
  34. **Sectional Secretary for Commerce Law & Management Sciences at 2<sup>nd</sup> International Science Congress**, organized by The International Science Congress Association, at **Bon Maharaja Engineering College, Virndavan, Mathura, (U.P.), during December, 2012**
  35. National Conference on Recent Trends in Mathematics and Their Applications, at **Vinoba Bhave University, Hazaribag, Jharkhand, during December, 2012**
  36. International Conference on Advances in Stochastic Modeling, at **Mannar Thirumalai Naicker College, Madurai, Tamil Nadu, during January, 2013**
  37. **Keynote address** at National Conference on Recent Trends in Operations Research at **Amity School Of Engineering & Technology, Bijwasan, New Delhi – 110061, during April, 2013**
  38. National Conference on Recent Trends in Analysis and Applied Mathematics, at **NIT -**

- Trichy, during May, 2013**
39. International Conference on Mathematical Techniques in Engineering Applications at **Graphic Era University, Dehradun during October 2013**
  40. International Conference on “Operations Research for Data Analytics and Decision Analysis” in conjunction with the 46<sup>th</sup> Annual Convention of Operations Research Society of India (ORSI) at **University of Kashmir , Srinagar during October 2013.**
  41. 37<sup>th</sup> Indian Social Science Congress organized by **Indian Academy of Social Sciences, India at Aligarh Muslim University, Aligarh during December 2013.**
  42. **Chief Guest at Annual Mathematics event E-PONENT of Sri Venkateswara College, University of Delhi, Delhi, India in February 2014.**
  43. National Conference on Recent Trends and Developments in Operations Research” at **BITS Pilani, during February 2014.**
  44. 25<sup>th</sup> Annual Conference of Rajasthan Ganita Parishad at **Seth Motilal P.G. College, Jhunjhunu during March 2014.**
  45. National Conference on Recent Trends and Developments in Statistics (NCRTDS) in conjunction with 1<sup>st</sup> Convention of Indian Association for Reliability and Statistics (IARS) at **Department of Statistics, M.D. University, Rohtak (Haryana) during February 2015.**
  46. V<sup>th</sup> National Conference on Statistical Inference, Sampling Techniques and Related Areas, at **Department of Statistics and Operations Research, Aligarh Muslim University, Aligarh, India during February 2015.**
  47. **Chief Guest at Annual Mathematics event of Bhagat Singh College, University of Delhi, Delhi, India in February 2015.**
  48. National Conference on Advances in Theoretical and Applied Statistics at **Department of Statistics, Panjab University, Chandigarh, during February 2015.**
  49. 1<sup>st</sup> International Conference of on “Mathematical Modeling, Optimization and Information Technology” at **Sri Sai College of Engineering and Technology, Badhani, Pathankot (Punjab), India during January 2015.**
  50. Work shop for teachers, at **Department of Mathematics, Govt. Holkar [Autonomous] Science College, A.B. Road, Indore (M.P.) 452001, India during April, 2015.**
  51. International Conference on Recent Advances in Optimization Theory and Applications (RAOTA-2016) at **University of Delhi, Delhi-110007, India during January 2016**
  52. 7<sup>th</sup> National Conference on Emerging Vistas of Technology In 21<sup>st</sup> Century-2016 “Recent Trends in Applied Mathematics & Modeling”, **Parul Institute of Engineering and Technology, Limbda, Vadodara, Gujarat, India during April 2016.**
  53. National Conference on “Computational Mathematics & Operations Research” to be organized at **BK Birla Institute of Engineering & Technology, Pilani during October 2016.**
  54. VIII International Symposium on Statistics and Optimization in conjunction with XXXVI-Annual Convention of Indian Society for Probability & Statistics (ISPS) and a national seminar on Statistical Inference, Sampling and Optimization Techniques & Related Areas (Under DRS II) at **Department of Statistics & Operations Research, A.M.U., Aligarh, India during December 2016**
  55. 49<sup>th</sup>Annual Convention Of The Operational Research Society Of India and International Conference on Analytics in Operational Research at **Birla Institute of Management Technology, Knowledge Park-II, Greater Noida, NCR, India during December, 2016**

56. **Department of Business Studies , Shaheed Sukhdev College of Business Studies, University of Delhi, Delhi, India in January 2017.**
57. International Conference on Computational Mathematics & Statistics (ICCMS-2017) jointly with **Department of Mathematics, University Putra Malaysia, Malaysia at Department of Mathematics and Statistics Banasthali University, Rajasthan during January 2017**
58. Joint International Conference on Interdisciplinary Research and 8th International Conference on Quality, Reliability Engineering, Infocom Technology and Business Operations, **at Amity University, Greater Noida, India during February 2017**
59. **Chief Guest** at National Conference on Recent Trends in Mathematical Sciences (NCRTM-2017) at **Department of Mathematics, Shri Mata Vaishno Devi University, Katra, J&K, India during February, 2017.**
60. National Conference on "Statistics and Optimization Techniques (NCSOT)" in conjunction with 2<sup>nd</sup> Convention of "Indian Association for Reliability and Statistics (IARS) at **Department of Statistics, M.D. University, Rohtak (Haryana, India) during February 2017.**
61. **Chief Guest** at Annual Fest of **Department of Statistics of Kirori Mal College, University of Delhi, Delhi, India in February 2017.**
62. International Conference on Challenges & Opportunities for Technological Innovation in India (COTII-2017), **at Ambalika Institute of Management & Technology, Lucknow, India during February, 2017.**
63. AICTE Sponsored Short Term Course On "Stochastic Modeling and Optimal Control Of Engineering Systems" at **Department of Mathematics, Indian Institute of Technology Roorkee, India during May, 2017.**

#### Research Projects (Major Grants/Research Collaboration)

| Sr. No.  | Project Details   | Funding Agency(Status)  | Amount (Rs.) | Outcome |
|--|---|---|--------------|---------|
| 1  | Inventory Systems under Various Realistic Conditions          | R&D Doctoral Research Programme of University of Delhi <b>(Completed) (2007 - 08)</b>                                       | 1,00,000     |         |
| 2  | Influence of Marketing and Trade credit on Inventory Policies | R&D Doctoral Research Programme of University of Delhi <b>(Completed) (2008 - 09)</b>                                       | 1,00,000     |         |
| 3  | Inventory Control in the Present Scenario                     | R&D Doctoral Research Programme of University of Delhi. <b>Grant No. Dean(R) /R&amp;D /2009/487 (Completed) (2009 - 10)</b> | 1,00,000     |         |
|  | Decision-Making   | R&D Doctoral Research Programme of University of  |              |         |
| <div style="display: flex; justify-content: space-between;"> <span>www.du.ac.in</span> <span>Page 24</span> </div> |   |   |              |         |



|   |  |  |          |
|---|--|--|----------|
|   | Process in Inventory                       |  | 1,37,000 |
| 4 | Systems under Various Realistic Conditions | Delhi Research Grant No.:<br>Dean(R/R&D/2011/423)<br>(Completed) (2011 - 12) |          |

### Awards and Distinctions

- 2017**     **International Best Researcher Award** by *The International Science Community Association* at the Royal University of Bhutan
- Bharat Vikas Award** by *the Institute of Self Reliance, Bhubaneswar*
- Best Teacher Award** by *Grace India Educational Charitable Trust, Delhi*
- 2016**     "IEOM Outstanding Service Award" "In Recognition and Appreciation of Outstanding Support, Service, Contributions, and Global Community Engagement in Industrial Engineering and Operations Management Profession" was awarded by *Industrial Engineering and Operations Management Society, Detroit, USA.*
- 2014**     **Certificate of Excellence** was awarded in **2<sup>nd</sup> Academic Brilliance Award 2014** by **EET CRS, Research wing for excellence in Professional Education & Industry, Noida**
- 2012**     **Fellow Membership of International Science Congress Association 2009 Certificate for Significant Contributions in Operation Management** was awarded by **The Society of Reliability Engineering, Quality and Operations Management, New Delhi**
- 2007**     **Shiksha Rattan Puraskar (for Meritorious Services, Outstanding Performance and Remarkable Role)** awarded by **India International Friendship Society.**
- 1983 - 1988**     **Junior/Senior Research Fellowship (for pursuing M. Phil / Ph.D.)** University Grants Commission, Delhi, India.
- 1981 - 1983**     **National Scholarship (for pursuing M. Sc.), Directorate of Education, Delhi Administration, Delhi, India**

### Association With Professional Bodies

#### 1. Editing

**Chief- in - Editor: International Journal of Inventory Control and Management,**  
<http://www.aacsjournals.com/journal.php?Journal=IJICM>

**Editor: International Journal of Systems Assurance Engineering and Management, Springer**

<http://www.springer.com/engineering/production+engineering/journal/13198?de>

[tailsPage=editorialBoard](#)

**Associate Editor: The Gstf Journal Of Mathematics, Statistics and Operations Research (JMSOR)**

<http://www.globalstf.org/journal-jmsor.php>

**Member of Editorial Board:**

1. **International Journal of Services Operations and Informatics, Inderscience Publishers Ltd. Switzerland**  
<http://www.inderscience.com/browse/index.php?journalID=65#boardReviewingBoard>
2. **International Journal Of Systems Science: Operations & Logistics**  
<http://www.tandfonline.com/action/journalInformation?show=editorialBoard&journalCode=tsyb20#.UqLqU9IW2i4>
3. **American Journal of Operational Research**  
<http://www.sapub.org/journal/editorialboard.aspx?journalid=1087>
4. **International Journal of Enterprise Computing And Business Systems**  
<http://www.ijecbs.com/index.php/international-editorial-advisory-board>
5. **Research Journal Of Management Sciences**  
<http://www.isca.in/IJMS/editorial.php>

**2. *Reviewing***

1. Journal of Operational Research Society, U.K.
2. European Journal of Operational Research
3. International Journal of Production Economics
4. International Journal of Production Research
5. International Journal of Systems Sciences
6. Applied Mathematics and Computation
7. Applied Mathematical Modelling
8. Operations Research Perspective
9. Computers & Industrial Engineering
10. Omega, The International Journal of Management Science
11. Transportation Research Part E: Logistics and Transportation Review
12. Scientia Iranica
13. Annals of Operations Research
14. TOP, An Official Journal of the Spanish Society of Statistics and
15. European Journal of Industrial Engineering
16. Operations Research
17. International Transactions in Operational Research

18. International Journal Of Systems Science: Operations & Logistics
19. The Engineering Economist
20. International Journal of Inventory Research
21. OPSEARCH
22. Yugoslav Journal of Operations Research
23. International Journal of Procurement Management
24. Optimization
25. International Journal of Systems Assurance Engineering and Management
26. Control and Cybernetics, Poland
27. Revista Investigación Operacional, Cuba
28. APPS (Electronic Journal Applied Sciences)
29. International Journal of Business Policy in Supply Chain Management
30. International Journal of Mathematical Modelling and Numerical
31. International Journal of Global Optimization
32. International Journal of Mathematical Modeling, Simulation and Applications
33. Dynamics of Continuous, Discrete & Impulsive Systems (DCDIS-B)
34. International Journal of Physical Sciences

### **3. Memberships**

#### **Life Member**

- **Operational Research Society of India**
- **Indian Science Congress Association**
- **Fellow Member, International Science Congress Association**
- **Computer Society of India**
- **The Society of Mathematical Sciences, University of Delhi, Delhi, India.**
- **Society for Reliability Engineering, Quality and Operations Management**
  
- **International Scientific Research Organization for Science, Engineering & Technology**
- **Indian Society for Probability and Statistics**
- **Association of Inventory Academicians and Practitioners**
- **AIMS International (The Association of Indian Management Scholars)**

#### **Other Activities**

#### **Doctoral Thesis Committees:**

1. Yerra Shankar Rao, "A Mathematical Study for The Current Generation Cyber Crimes" S'O'A Deemed to be University, Bhubaneswar – 751 030, ODISHA, September 11, 2018
2. Abburi Sriram Kanaka Ratnam." A Study of Efficiency of Kernels with Support Vector Machines in 3D Face and Ear Recognition Biometrics" Acharya Nagarjuna University,

Andhra Pradesh, August 14, 2018

3. Rojalini Patro, "EOQ Models for Imperfect Quality Items with Varying Demand and Allowable Proportionate Discount in Fuzzy Environment" S'O'A Deemed to be University, Bhubaneswar – 751 030, ODISHA, August 12, 2018
4. Rita Yadav, ", "Study on Game Theory and it's Perspectives" Banasthali Vidyapith, Banasthali - 304022, Rajasthan, August 02, 2018
5. Sri Ayan Chandra, "Some Contributions to Probabilistic and Statistical Aspects of Inventory Management" University of Calcutta, Kolkata, May, 2018
6. Mahuya Deb, "A study on the intuitionistic fuzzy optimization approach to inventory model" Birla Institute of Technology, Mesra, Ranchi, January 2018
7. Sheema Sadia, "Applications of Integer Optimization" Aligarh Muslim University, Aligarh, January 2018
8. Sanjai M, "Studies on Production Inventory Models for Imperfect Item with Rework and Shortages" Anna University, Chennai, December 2017
9. Maryam Khadem Ghasemi, "Development of a Sustainable Healthcare Waste Management Model " University Putra Malaysia, Selangor, Malaysia, October, 2017
10. Amiya Biswas, "**On Some Realistic Combinatorial Optimization Problems Via Genetic Algorithm**", The University of Burdwan, Burdwan, West Bengal, **August 2017**
11. Upma, "**Cost benefit analysis of non -identical redundant systems with different repair policies**", Maharshi Dayanand University, Rohtak, Haryana, **July 2017**
12. Bhanupriya Dash, "**Investigation of Analytical Deterministic Inventory Models using Optimization Techniques**", Utkal University, Bhubaneswar, **May 2017**
13. Deo Datta Aarya, "**Some Mathematical Inventory Models for Deteriorating Items Under Progressive Payment Scheme**" Graphic Era University, Dehradun, Uttarakhand, India, **May 2017**
14. Sanjai Sharma, "**Mathematical Modeling of an Inventory System for Deteriorating Items with Two Warehouse and Shortages**" Banasthali University Banasthali - 304 022, Rajasthan, India **March 2017**
15. Sudhansu Sekhar Routray "**A Study on Inventory Control and Applications**"

Ravenshaw University, Cuttack, **February 2017**

16. Neha Rajesh Shroff, "**Some Studies in Total Quality Management**" Dept. of Statistics, Gujarat University, Ahmedabad, **January 2017**
17. Manoranjan De "**On Some Inventory Management Problems in Uncertain Environment**" Vidyasagar University, Midnapore, West Bengal, India **January 2017**
18. Neha Rajesh Shroff, "**Some Studies in Total Quality Management**", Gujarat University, Ahmedabad, **January 2017**
19. Vandana, "**Development of Some Integrated Inventory Models in the Environment of Volume Agility**" Banasthali University Banasthali - 304 022, Rajasthan, India **January 2017**
20. Sri Ayan Chakraborty, "**Modelling and analysis of some integrated supply chain systems**" Faculty Council of Science, Jadavpur University, Kolkata, **December 2016**
21. Seema Bhalla "**Mathematical Analysis of Some Linkage Networks of Queuing and Scheduling Models**" Maharishi Markandeshwar University, Mullana, Ambala, **September 2016**
22. Anupam Swami ,"**Some Inventory Systems With Time Dependent Demand and Variable Holding Cost** " Banasthali University Banasthali - 304 022, Rajasthan, India **August 2016**
23. Arunava Majumder, "**Some Problems On Supply Chain Management**" Vidyasagar University, Midnapore, West Bengal, India **August, 2016**
24. Sri Balaji Roy, "**Optimal decision making strategies in supply chain models under price-sensitive demand**" Faculty Council of Science, Jadavpur University, Kolkata **August 2016**
25. Ritu Raj, "**Integrated Production Inventory Models for Decaying Items**" Banasthali University, Banasthali - 304 022, Rajasthan, India **July 2016**
26. G. Hemalatha, "**Queueing System Analysis for Computer Network**" Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, **June, 2016**
27. Inderpal, "**Capacity Building through CSIR Research Fellowship Scheme**" Guru Gobind Singh Indraprastha University, Delhi, India **January 2016**

28. C.K. Sivashankari, **"Production Inventory Models and Cost Reduction Delivery Policies"** Bharathiar University, Coimbatore, India **January 2016**
29. Mahmoud Asad Samani , **"Development of a Conceptual Framework to Integrate Quality Management System and Risk Management System"** **Universiti Putra Malaysia, Selangor Darul Ehsan, Malaysia January 2016**
30. Shilpi Pal, **"Mathematical Modelling and Analysis of Some Inventory Systems"** Indian Institute of Engineering Science and Technology, Shibpur, Howrah, India **January 2016**
31. Garima Sharma, **"A Study of Inventory Models Having Certain Demand Patterns"** Banasthali University Banasthali - 304 022, Rajasthan, India **December 2015**
32. Sounak Paul, **"Design and Analysis of Defense Mechanism Against Malicious Codes in Networks"** Birla Institute of Technology, Mesra, Ranchi, India, **November 2015**
33. Trailokyanath Singh **"An EOQ Model for Deteriorating Items with Varying Demand and Costs"** Utkal University, Bhubaneswar, **June 2015**
34. Zohreh Molamohamadi, **"Development of a Two-Level Trade Credit Model with Shortage for Deteriorating Products in a Two-Echelon Supply Chain"** **Universiti Putra Malaysia, Selangor Darul Ehsan, Malaysia April 2015**
35. Anju, **"Reliability Modeling and Profit Analysis of Stochastic System using Regenerative Point Technique (RPT)"** Maharshi Dayanand University, Rohtak, Haryana, **April 2015**
36. T.A. Naidoo, **"A New Approach for Extreme Values in Data Envelopment Analysis"** Faculty of Engineering, School for the Built Environment and Information Technology, **University of Pretoria, South Africa April 2015**
37. Dinesh Singh Ruhela, **"A study of computational complexity of algorithms for numerical methods"** University of Rajasthan, Jaipur, India **March 2015**
38. Vijay Kumar Nath Tiwari, **"Mathematical Models Incorporating the Effect of Malicious Objects on System Network"** Ranchi University, Ranchi, India, **January 2015**
39. Taniya Sarkar Roy, **"Operational Research techniques in production planning and inventory control: Some Problems"** Jadavpur University, Kolkata - 700 032, **December 2014**

40. Nidhi, **"Optimal Policies for Inventory Models under Fuzzy Environment"** Banasthali University Banasthali -304 022, Rajasthan, India, **August 2014**
41. Ritu Sharma, **"Two – Warehouse Inventory Modelling"** Banasthali University Banasthali - 304 022, Rajasthan, India, **August 2014)**
42. Rajkumari Mittal, **"Modeling of Green Supply Chain Management System for Electronics Industry"**, Banasthali University Banasthali-304 022, Rajasthan, India, **August, 2014**
43. Monika Manglik, **" Reliability Analysis for Complex Systems under Operating Conditions and Coverage Factor"**, Graphic Era University, Dehradun, Uttarakhand, India, **August 2014**
44. Mohamed Silmi Juman Zeinul Abdeen, **"A Multi-Vendor Multi-Buyer Integrated Transportation-Inventory Model and Its Solution technique"**, **Universiti Brunei Darussalam Jalan Tungku Link BE 14 IO Negara Brunei Darussalam July 2014**
45. Abdul Raof Shah, **"Optimality conditions and duality in constrained optimization"** Department of Statistics, University of Kashmir, Srinagar, J & K, India, **January 2014**
46. C. Krishnamoorthi, **"On Inventory Models for Imperfect Production System with Rework and Product Life Cycle"** Bharathiar University, Coimbatore, Tamil Nadu, India, **March 25, 2014**
47. M. Devarajan, **"A Research on Comparison of Different Production Scheduling Methods and Developing New Scheduling Method at Batch Processing Chemical Industries"** PRIST University, Vallam, Thanjavur, India, **March 24, 2014**
48. Gholam Mursalin Ansari, **"Mathematical Models and Simulation on the Attack and defense of Malicious Object in Computer Networks"** Birla Institute of Technology, Mesra – 835 215, Ranchi, Jharkhand, India, **August, 2013**
49. Om Prakash, **"Some Deterministic and Probabilistic Models in Production Planning and Inventory Control"** Indian Institute of Technology Kharagpur, Kharagpur – 721 302, West Bengal, India, **March, 2013**
50. Samiran Karmakar, **"A study on Interval Ranking and its Applications in Optimization"** The University of Burdwan, Rajbati, Burdwan – 713104, West Bengal, India, **October, 2012**
51. Tarun Kumar **"Modeling and analysis of some supply chain systems in soft**

- computing technologies”,** Banasthali University Banasthali-304 022, Rajasthan, India, **August, 2012**
52. Isha Sangal, **“Supply Chain Inventory Models in A Fuzzy Environment”** Banasthali University, Banasthali-304 022, Rajasthan, India, **July, 2012**
53. Sujata Rani, **“Study of Deteriorating Inventory in Supply Chain”** Banasthali University, Banasthali-304 022, Rajasthan, India, **July, 2012**
54. Amisha R. Patel, **“Mathematical Formulation of Inventory Problems for Stock-Dependent Demand”** Ganpat University, Ganpat Vidyanagar, KHERVA – 382 711, Gujarat, India, **June, 2012**
55. R. Satheeh Kumar, **“Markov Decision Processes in Service Facility Systems – Queues and Inventory Control”** Madurai Kamraj University, Palkalai Nagar, Madurai – 625 021, Tamilnadu, India, **June, 2012**
56. N. Mallika, **“A study on Mathematical supply chain system-Fuzzy rule based model”** Madurai Kamraj University, Palkalai Nagar, Madurai – 625 021, Tamilnadu, India, February and **September, 2012**
57. G. Michael Rosario, **“Queues, Inventories and its Reliability in Supply Chain Stochastic Modeling”** Madurai Kamraj University, Palkalai Nagar, Madurai – 625 021, October 2010
58. Poonam G. Pandey, **“Inventory Models for Deteriorating Items with Salvage Value”** Gujarat University, Ahmedabad – 380 009, Gujarat, India, **February, 2010**
59. C. Sugapriya, **“Optimization Techniques for Some EPQ and EOQ Models, Department of Mathematics”,** Alagappa University, Karaikudi - 630 003, India, **June, 2009**
60. Bhavin J. Shah, **“Present Value Formulation of Inventory Models for Deteriorating Items under Supplier Credits”** Gujarat University, Ahmedabad – 380 009, Gujarat, India, **June , 2005**
61. Ravi M. Gor, **“Study of Optimal Ordering Policies for Time Varying Decay Rate of Inventory under Different Payment Conditions”** Gujarat University, Ahmedabad – 380 009, Gujarat, India, **June, 2004**