Biodata and List of Publications

Dr. C.K.Sivashankari
Assistant Professor in Mathematics,
R.M.K. Engineering College,
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1. Designation and : Assistant Professor in Mathematics2.
2. Name of the Institution : R.M.K. Engineering College, Kavaraipettai - 601 206
3. Date of Birth : 10.11.1985, 33years
4. Gender : Female
5. Nationality : Indian
6. Experience : 8 years.

Academic Qualification:

S.No	Degree	Branch	Name of the College/University	Class/ Marks	Year of Passing
1.	B.Sc.	Mathematics	Emerald Heights College, Ootacamund , Bharathiar University	First with Distinction 82%	April, 2007
2.	M.Sc.	Mathematics	Stella Maris College, Chennai, Madras University	First Class 68%	April, 2009
3.	M.Phil.	Mathematics	Avinashilingam University for Women, Coimbatore	First Class 83%	July, 2010
4.	Ph.D.	Mathematics	Bharathiar University, Coimbatore	Highly commended	Feb., 2016

Teaching Experience:

S.No	Name of the Post	Employer	Duration
1.	Lecturer in Mathematics	Sriram Engineering College, Chennai	4 months (Jan 2011 to April, 2011)
2.	Lecturer in Mathematics	John Bosco Engineering College, Chennai	1 year
3.	Assistant Professor in	S.A. Engineering College,	

	Mathematics	Chennai	12.06.2012 to 03.04.2017
4.	Assistant Professor in Mathematics	Karpagam College , Of Engineering	27-11-2017 23-04-2018
5.	Assistant Professor in Mathematics	R M K Engineering , College	21-06-2018 till date

Research Papers Published in International and National Journals

SCI Journals

C.K.Sivashankari and S.Panayappan, **(2015**), Production inventory model for two levels production with defective items and shortages, International Journal of Advanced Manufacturing Technology, Vol. 76, No. 9-12, pp.2003-2014.**Springer,Impact Factor: 1.779.**

Journals with Indexed in Scopus, Thomson Reuters and H – index (past 5 years):

1. C.K. Sivashankari, (2019**)**Imperfect production system with rework of regularproduction with sales returns by customersand buffer stock, Int. J. Applied Management Science, Vol. 11, No. 2, 2019,171-183,Scopus indexed.

2. 2. C.K. Sivashankari (2019), Purchasing inventory models or exponential demand with deteriorating items and discounted cost – in third order equation, International Journal of Procurement Management, vol 12. No 3. 2019 321-335.

3. C.K. Sivashankari, (2017), Purchasing Inventory models for non- Deteriorative items with Constant, Linear and Quadratic Demand – a comparative study, International Journal of Operational Research, Nepal, Vol. 6, Issue 1, pp 1-15.

4. **C.K.Sivashankari (2017) , EOQ models for non-deteriorative items and shortages – in third order equation,** International Journal Of Creative Research Thoughts , Vol 5,Issue 4 Nov 2017.

5. C.K. Sivashankari, (2016), Production Inventory model with deteriorating items with constant, linear and quadratic holding cost- a comparative study, International Journal of Operation Research, Vol. 27, No. 4, pp. 589-609.

6. C.K. Sivashankari and C. Krishnamoorthi (2016), Production Inventory Model for Deteriorating items for three levels of production and shortages, Yugoslav Journal of Operation Research, DOI : 10.2298/YJOR150630014K, published 18.10.2016 (impact factor : 0.56)

7. C.K. Sivashankari and C. Krishnamoorthi (2016), A purchasing inventory model for Deteriorating items with QuadraticHolding cost and shortages – in 3rd order equation, International Journal of Operational Research, Accepted.

8. C.K. Sivashankari and S. Panayappan, (2015), "Production Inventory model with defective items and integrates cost reduction delivery policy", International Journal of Operation Research, Vol. 24, No. 1, pp.102-219.

Journals with ISBN and ISSN Number:

1. V. Choudri and C.K. Sivashankari, Production Inventory model for Two levels production with Deteriorative items, Jamal Academic Journal, ISSN No. 0973-0303.
2. C.K.Sivashankari (2015), Production inventory model for Non-Deteriorative items with Quadratic Demand, Mathematical Sciences International Research Journal, Vol. 4, Issue 2, pp.126-130.
3. C.K. Sivashankari (2014), Production Inventory Model with Deteriorating items and price. International Journal of Scientific & Engineering Research, Vol.5, Issue 9, pp. 204-209.

Research papers published in Proceedings of International Conferences

1. C.K. Sivashanakri (2015), Production Inventory model with Reworking of Imperfect items and integrates cost reduction delivery policy, proceeding of the International Conference on Mathematics and its Applications, pp. 1078-1089.
2. C.K. Sivashanakri (2014), Production Inventory model for two levels of production and deteriorative items, International Conference on Mathematical Sciences, pp.743-748.
3. C.K. Sivashankari (2012), Production inventory model for two levels production with defective items, International Conference on Mathematical Modeling and Applied Soft computing, Vol.2, pp. 655-665, 2012.

Research papers published in Proceedings of National Conferences

1. C.K. Sivashankari (2015), An EOQ Model for deteriorating items with Quadratic Holding cost, National Conference on Computational and Applied Mathematics, pp. 17 – 20. (ISBN 978-941505-29-8@2015)
2. C.K. Sivashanakri (2014), Production Inventory Model with the Rewoccrking of Defective items and Incorporating multi-Delivery Policy, Proceeding of National Conference on Pure and Applied Mathematics, pp. 136-141. (ISBN 978-93-83459-46-9 @2014 Bonfring).
3. C.K. Sivashankari, V. Choudri and Dr. S. Panayappan (2013), A Production Inventory Model with Two rates of Production Taking into Account the Time Value of Money, Proceedings of the National Conference on Pure and Applied Mathematics-2013, pp.91-95, (ISBN 978-93-82338-55-0).

Book Chapter:

1. C.K. Sivashankari (2017), Optimal Production Model for Deteriorative items with three stages of production and Reduction in Holding cost and Maximum inventory, "Industrial Engineering and Management Practices (International Edition)", ISBN:978-93-84443-56-6, Chapter 17, pp. 309-338.

2. C.K.Sivashankari (2017), Production inventory models for one, two and three stages of production with cost reduction delivery policy, published by Meta Research Press (MRP), New Delhi, " Industrial Engineering and Management", ISBN: 978-81-932850-1-5

International Conferences(past 5 years):

1. A mathematical Model for product lifecycle for non-instantaneous deteriorating items with Growth of demand, International Conference on Mathematical Analysis and Computing (ICMAC-2019) held during December23-24,2019 at SSN College of Engineering.
2. A Mathematical Model for Product Life Cycle , 2nd International Conference on Current Scenario in Pure and Applied Mathematics (ICCSPAM 2019) Organized by Kongunadu Arts and Science College(Autonomous),Coimbatore on 03.01.2019.
3. Effect of Inflation in Purchasing Inventory Models for Deteriorating items with Growth of Demand- in third order Equation in the International Conference on "Emerging Trends in Inventory, Supply Chain and Reliability Modeling (ETISCRM 2018) held during December 21-23,2018 at Department of Operational Research ,University of Delhi.
4. Purchasing Inventory Models for Deteriorating items and shortages, 1st International Conference on "Collaborative research in Mathematical Sciences – ICCRMS'17", Organized by KG College of Arts and Science, Coimbatore on 23.09.2017.
5. Imperfect Production system with rework of regular production with sales return by customers and shortages, International conference on " Advances Scientific computing", organized by IIT Madras, held during 28- 30 Nov., 2016.
6. Production Inventory Model for Deteriorative items with three levels of production and shortages, 4th Annual International Conference on Operations Research and Statistics, ORS 2016, organized by GSTF- Global Science and Technology Forum, **Singapore** on 18-19, January, 2016.
7. Production Inventory model for Deteriorating items with constant holding cost and shortages, International Conference on Mathematical Computer Engineering by VIT University, Chennai Chapter, on December, 14-15, 2015.
8. Production Inventory model for Non-Deteriorative items with quadratic Demand, International Conference on Mathematics by University of Kerala, Thiruvananthapuram, Kerala on Nov. 26-28, 2015.

National Conferences(past 5 years):

1. EOQ Model for Non- deteriorative items and shortages in third order, National Conference on Mathematical Modeling in Applied Sciences, Engineering & Technology (NCMMA-2017),A.E.T. College, Salem on 5th October, 2017.

2. Production inventory model with rework of regular production with sales return by customers, National Conference on "Advances in Humanities, Physical & Mathematical Sciences-AHPMS-16", S.A. Engineering College, Chennai on 6-7th April, 2016.
3. An EOQ Model for Deteriorating items with Quadratic Holding Cost, National Conference on Computational and Applied Mathematics, Erode Arts and Science College, Erode,7th Feb,2015. **Proceeding Published pp.17-20, ISBN No.978-1-941505-29-8.**

Awards:

Best Paper Award for "A Mathematical Model for product life cycle" at 2nd international Conference on current scenario in pure and applied mathematics, Kongu Nadu arts and science college Coimbatore on 03.01.2019.

You Tube Video:

1. https://youtu.be/bJpZayWqnbo- Topic – Domain and Range.

Membership in Professional Societies

S.No	Institution	Type of Membership	Membership Number
1.	Operation Research Societies of India	Life	1153/C/15/ML
2.	The Indian Society for Technical Education	Life	LM 85750
3.	The Indian Science Congress Association	Life	L 27271
4.	Ramanujam Mathematical Society	Life	1071
5.	IAENG-International Association of Engineers	Life	153119
6.	Indian Mathematical Society	Life	L/2015/42
7.	The National Academy of Sciences, India (NASI)	Applied	

Reviewer for the Journals

(i) International Journal of Operation Research
(ii) International Transactions in Operational Research
(iii)International Journal of Management Science and Engineering Management
(iv)Pakistan Journal of Statistics and Operation Research

Declaration:

I hereby declare that the entries in the form are true to the best of my knowledge and belief.

Place: Thirumullaivoyal

Date: Signature of the Applicant