CURRICULUM VITAE

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0.1 Publications (UGC Listed)

1. K. Jeganathan, N. Anbazhagan and J. Kathiresan, Retrial Inventory System with Non-Preemptive Priority Service, International Journal of Information and Management Sciences, 24, 57-77, 2013, (Indexed By: Scopus).

2. V.S.S. Yadavalli1, N. Anbazhaga and K. Jeganathan, A Retrial Inventory System with Impatient Customers, Applied Mathematics & Information Sciences:An International Journal, 9(2), 637-650, 2015, (Indexed By: Scopus).

3. K. Jeganathan, A single server perishable inventory system with N additional options for service, Journal of Mathematical Modeling, 2(2), 187-216, 2015, (Indexed By: Scopus).

4. K. Jeganathan, Linear Retrial Inventory System With Second Optional Service Under Mixed Priority Service, Turkish World Mathematical Society Journal of Applied and Engineering Mathematics (TWMS Journal of Applied and Engineering Mathematics), 5(2), 249-268, 2015, (Indexed By: Scopus).

5. K. Jeganathan, J. Sumathi and G. Mahalakshmi, Markovian Inventory Model With Two Parallel Queues, Jockeying And Impatient Customers, Yugoslav Journal of Operations Research, 26(4), 467-506, 2016, (Indexed By: Scopus).

6. K. Jeganathan, J. Kathiresan and N. Anbazhagan, A retrial inventory system with priority customers and second optional service, OPSEARCH, 53, 808-834, 2016, (Indexed By: Scopus, Emerging Sources Citation Index).

7. K. Jeganathan, M. Abdul Reiyas, S. Padmasekaran and K. Lakshmanan, An $M/E_K/1/N$ Queueing-Inventory System with Two Service Rates Based on Queue Lengths, International Journal of Applied and Computational Mathematics, 3, 357-386, 2017, (Indexed By: Scopus).

8. K. Jeganathan, T. Venkatesan, N. Anbazhagan, S. Padmasekaran and K. Lakshmanan, Substitutable Inventory Model With Postponed Demands, International Journal of Pure and Applied Mathematics, 118(2), 367-384, 2018, (Indexed By: Scopus).

9. K. Jeganathan, M. Abdul Reiyas, S. Padmasekaran and K. Lakshmanan, Two Heterogeneous Servers Queueing-Inventory System with Multiple Vacations and Server Interruptions, The Electronic International - Journal Advanced Modeling and Optimization, 20(1), 113-133, 2018, (UGC Care List).

10. K. Jeganathan, A. Z. Melikov, S. Padmasekaran, S. Jehoashan Kingsly and K.Prasanna Lakshmi, A Stochastic Inventory Model with Two Queues and a Flexible Server, International Journal of Applied and Computational Mathematics, 5, 1-27, 2019, (Indexed By: Scopus).

11. K. Jeganathan, M. Abdul Reiyas, K. Prasanna Lakshmi and S. Saravanan, Two server Markovian inventory systems with server interruptions: Heterogeneous vs. homogeneous servers, Mathematics and Computers in Simulation, 155, 177-200, 2019, (Indexed By: Scopus, Science Citation Index Expanded).

12. J. Kathiresan, K. Jeganathan and N. Anbazhagan, A retrial queueing-inventory system with service option on arrival and Multiple vacations, Afrika Statistika, 14(1), 1917-1936, 2019A, (UGC Care List).

13. K. Lakshmanan, S. Padmasekaran and K. Jeganathan, A Stochastic Inventory System With A Threshold Based Priority Service, Communication in Optimization Theory, Article ID 16, 2019 (2019), (UGC Care List).

14. K. Jeganathana and M. Abdul Reiyas, Two Parallel Heterogeneous Servers Markovian Inventory System with Modified and Delayed Working Vacations, Mathematics and Computers in Simulation, 172, 273-304, 2020, (Indexed By: Scopus, Science Citation Index Expanded).

15. K. Jeganathan, N.Anbazhagan, S. Amutha and V. Vinitha, A Queueing Inventory System with Threshold Based Priority Service and a Flexible Server, Journal of Statistics and Management Systems, 2020, Doi:10.1080/09720529.2020.1744811, (Indexed By: Web of Science).

16. K. Jeganathan, M. Abdul Reiyas, S. Selvakumar and N. Anbazhagan, Analysis of Retrial Queueing-Inventory System with Stock Dependent Demand Rate: (s, S) Versus (s, Q) Ordering Policies, International Journal of Applied and Computational Mathematics, 6(4), 1-29, 2020, (Indexed By: Scopus).

0.2 Book/ Book Chapter Publication/Proceedings

1. K. Jeganathan, A Stochastic Inventory Model with Multiple Vacations and N - Policy, Book Title: Stochastic Processes and Models in Operations Research, Edition: First, Chapter: 7, (Book Editor: Prof. N. Anbazhagan, Alagappa University, India), IGI Global Publications, 24-Mar-2016 - Business & Economics - 338 pages.

2. K. Jeganathan, An Inventory System with Bonus Service for Certain Customers, pages 152-160, Proceedings of the UGC Sponsored National Conference on Mathematical Modelling(NCOMM-2014), ISBN:978-93-80657-44-8, Post Graduate and Research Department of Mathematics, Cardamom Planter's Association College, Bodinayakanur, Theni on September 25-26, 2014, Editors: Dr. C. Elango and Dr. K. Krishnan.

0.3 Invited Talk/Paper Presentations

1. K. Jeganathan, A Retrial Inventory System with Non-preemptive Priority Service by Matrix Geometric Method, (Ramanujan's 124th Birthday celebrationd) National Conference on Challenges in Mathematical Modelling(NCCMM-2011) held at Ramanujan Centre for Higher Mathematics, Alagappa University, Karaikugi, on December 22, 2011.

2. K. Jeganathan, A Retrial Inventory System with Service Facility and Impatient Customers, International Conference on Advances in Stochastic Modeling(ICASM-2013) held at Mannar Thirumalai Naicker College, Madurai, during 8 - 10, January, 2013.

3. K. Jeganathan, An Inventory System with Bonus Service for Certain Customers, National Conference on Mathematical Modelling(NCOMM-2014) held at Post Graduate and Research Department of Mathematics, Cardamom Planter's Association College, Bodinayakanur, Theni, during 25-26, September, 2014.

4. K. Jeganathan, Two server Markovian Inventory Systems with Server Interruptions: Heterogeneous Vs. Homogeneous Servers, International Conference on Recent Trends in Mathematics(ICRTM-2017) held at PG and Research Department of Mathematics, Loyola College, Chennai-600034 on March 07, 2017.

5. K. Jeganathan, A Stochastic Queueing-Inventory System with a Thershold Based Priority Service, International Conference on Mathematical Modeling and Computational Intelligence(ICMMCI-2019) held at Department of Mathematics and Ramanujan Centre for Higher Mathematics, Alagappa University, Karaikudi during 3rd and 4th September, 2019.

6. K. Jeganathan, A Finite Capacity Queueing Inventory System with Server Working Breakdown, National Conference on Recent Advances in Mathematical Modelling(NCRAMM-19) held at School of Mathematics, Alagappa University, Karaikudi, on 23rd September, 2019.

7. K. Jeganathan, Markovian Inventory System With Modified And Delayed Working Vacations, 2nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering(ICMMCMSE) held at School of Mathematics, Alagappa University, Karaikudi,during 22-24, January, 2020.

8. K. Jeganathan, Analysis of Base Stock Retrial Inventory System with Stock Dependent Random Arrivals, National Conference on Challenges in Mathematical Modelling(NCCMM-2020) held at School of Mathematics, Alagappa University, Karaikudi, during 20-21, February, 2020.

9. K. Jeganathan, An M/M/1/N Inventory System with Queue Dependent Service Rate and Retrial Facility, International Conference on Recent Innovations in Multidisciplinary Studies(RIMS-2020) held at St. Joseph's College(Arts and Science), Kovur, Chennai-600128, on 4th March 2020.

10. K. Jeganathan, Matrix Geometric Approach on M/M/1/N Stochastic Inventory System with Queue Dependent Service Rate, National Conference on Recent Trends in Mathematics and its Applications (NCRTMA'20) held at SRM Institute of Science and Technology, Vadapalani, Chennai-600026, on 13th March 2020.

0.4   Conference/Workshop Attended

1. K. Jeganathan, Instructional Workshop on Random Processes and Their Applications(National level), held at Department of Mathematics, Annamalai University, during 10-23, November, 2010.

2. K. Jeganathan, International Workshop on Matrix Analytic Methods in Stochastic Models, held at Department of Mathematics and Ramanujan Centre for Higher Mathematics, Alagappa University, during 07-09, January, 2013.

3. K. Jeganathan, 19th Ramanujan Symposium on International Conference on Recent Trends in Nonlinear Partial and Fractional Differential Equations, held at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005 during 02-04, March 2016.

4. K. Jeganathan, 20th Ramanujan Symposium International Conference on Fourier Analysis and Wavelets(ICFAWL-2017), 21-25 March 2017, at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

5. K. Jeganathan, National Conference on Emerging Trends in Mathematics(NCETM-2017), $12 - 13$ December 2017, at Department of Mathematics, Ethiraj College for Women(Autonomous), Chennai-600008.

6. K. Jeganathan, 21st Ramanujan Symposium National Conference on Algebra and its Applications(NCAA-2018), February 28- March 02, 2018, at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

0.5 Programme Conducted

1. K. Jeganathan, Conener for Tenth Summer Training Programme in Mathematics, May 16- June 05(21 Days), 2018 held at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

2. K. Jeganathan, Convener for National Mathematics Day 2018, December 20-22(Three Days), 2018 held at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

0.6 Orientation and Refresher course Attended

1. K. Jeganathan, Orientation Programme, Batch-122, May 14 - June 10(28 Days) held at Human Resource Development Centre(HRDC), University of Madras, Chennai-600005.

2. K. Jeganathan, Winter School- Refresher Course on Mathematics- Batch XXXII, 07-27, November, 2017(21 Days) Organized by Human Resource Development Centre(HRDC) and Regional Centres for Capacity Building(RCCB), University of Madras held at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

3. K. Jeganathan, Refresher Course in Mathematics- Batch XXXIII, 10-23, October, 2019(14 Days), Organized by Human Resource Development Centre(HRDC), Univer-

sity of Madras held at Ramanujan Institute for Advance Study in Mathematic, University of Madras, Chennai-600005.

0.7 M.PHIL/PH.D Guidance

1. Number of Candidates M.PHIL Degree Awarded: 9

2. Number of Candidates M.PHIL Degree Pursuing :1

3. Number of Candidates PH.D Degree Pursuing : 3

4. Number of Candidates PH.D Degree Awarded: Nil

0.8 Completed/On-going Projects

1. Title: Modelling and Analysis of Mixed Priority Queueing-Inventory Systems at Service Facilities with Repeated Attempts
   Duration: 2 Years
   Funding Agency: UGC(Start-Up Grant)
   Amount Sanctioned: 6 Lakhs.
   Status: Completed

2. Title: Modelling and Analysis of Retrial Inventory System with a Finite Population
   Duration: 2 Years
   Funding Agency: DST
   Amount Sanctioned: 2 Lakhs
   Status: Completed

0.9 Awards

1. Best Paper Award from International Conference on Recent Innovations in Multidisciplinary Studies(RIMS-2020) held at St. Joseph's College(Arts and Science), Kovur, Chennai-600128 on 4th March 2020.