

## **2007-2008 Publications**

### **Dr.R.KUMAR**

#### **CONFERENCES:**

- 1.R.Kumar and SolaiRaj, "Fuzzy inventory model with constraints", National conference, Bonsecure college for Women, Thanjavur, 2007.
2. R.Kumar and SolaiRaj.A,"Inventory model with storage capacity and budgetary constraints", National conference, S.R.M University, Chennai,2007.
3. R.Kumar and SolaiRaj.A,"Optimization of inventory model with fuzzy trapezoidal number", National conference,Jamal Mohamed College, Trichy, 2008.

## **2008-09 Publications**

**Dr.R.KUMAR** had published the following papers:

- 1.R.Kumar and SolaiRaj.A, "Multi-item stochastic and fuzzy stochastic model for deteriorating items with constraints", Act Cicncia Indica, Vol.XXXIVM,NoPP :319-322,2008.
2. R.Kumar and SolaiRaj.A, "A fuzzy inventory model without back order with fuzzy demand, fuzzy storing cost, fuzzy order quantity, limitation of fuzzy storage area and total average inventory cost are defuzzied by centorid and signed distance method", Act Cicncia Indica, Vol.XXXIVM,NoPP :427-440, 2008.
3. R.Kumar and SolaiRaj.A,"Stochastic and fuzzy stochastic inventory models for weibull distribution deteriorationn items with shortage cost and storage space constraints.", Antarctica Journal of Mathematics, Volum5(1-2), PP: 57-75, 2008.
4. R.Kumar and SolaiRaj.A, "Fuzzy multi-objective production inventory model of deteriorating items with shortage and various types of demands", Research Journal applied science,3(2),PP:113-122, 2008.

#### **CONFERENCES:**

1. R.Kumar and SolaiRaj.A,"Multi-objective production inventory model in crisp and fuzzy environments", Inter National conference, Jamal Mohamed College, Trichy, 2009.

## **2010-14 Publications**

**Dr.R.KUMAR** had published the following papers:

1. R.Kumar and SolaiRaj.A, "A Fuzzy inventory model with storage space and Budgetary constraints for single item", Applied science periodical , Volume Xii no.3 August 2010.

**Dr. M. G. SOMASUNDRA MOORTHY** had published the following papers:

1. M. G. Somasundra Moorthy & K. Arjunan, "Interval valued fuzzy subrings of a Ring under Homomorphism", International Journal of scientific Research, Vol3, Iss.4,292-296(2014)
2. M. G. Somasundra Moorthy & K. Arjunan, "Interval valued intuitionistic fuzzy subrings of a ring ",International Journal of Engineering Research and Development, Vol.10, Iss.7, 61-66(2014).
3. M. G. Somasundra Moorthy & K. Arjunan, "A study on interval valued fuzzy subrings of a ring", International Journal of Mathematical Archive – 5(8), 71-75,(2014).
4. M. G. Somasundra Moorthy & K. Arjunan, "Note on interval valued Fuzzy normal subrings of a ring ", International Journal of Computational and Applied Mathematics, published.

5. M. G. Somasundra Moorthy & K. Arjunan, "Interval valued intuitionistic fuzzy normal subrings of a ring", International journal of scientific Research ,published.

**Dr.R.SAYEELAKSHMI** had published the following papers:

1 .K. Ponnammal and R.Sayeelakshmi, "Solution of Delay Differential by Runge Kutta method using Cubic Spline Interpolation", Proceedings of the International Conference on Mathematical Methods and Computations, Jamal Academic Research Journal: An Interdisciplinary special issue, ISSN: 0973-0303, Page no. 436 - 439, February 2014.

## **2017-18 Publications**

**Dr.P.K.ESWARI** has published the following papers:

1. P.Thirunavukkarasu, R.Suresh and P. K. Eswari, Overview of Extended Theoretical Concepts of Complex Fuzzy Sets, International Journal for Scientific Research and Development, Vol.5, Issue60, 2017, ISSN:2321-0613, pp.620-623.
2. P.Thirunavukkarasu and P. K. Eswari, Some fixed point theorems under contractive Conditions in fuzzy symmetric spaces, International J. of Math. Sci. & Engg. Appls. (IJMSEA) ISSN 0973-9424, Vol. 12 No. I (April, 2018), pp. 59-67.

**Dr.R.SAYEELAKSHMI** has published the following papers:

1. K. Ponnammal and R.Sayeelakshmi, "Singly Diagonally Implicit Rune-Kutta Fourth and Fifth Order Methods for Solving Delay Differential Equations", International Journal of Engineering Science and Mathematics, ISSN:2320-0294, Vol.6, Issue-7, November- 2017, pp.182-192.

## **2018-19 Publications**

**Dr.P.K.ESWARI** has published the following papers:

- 1.P. Thirunavukkarasu, P.K. Eswari, R. Manjula, Common fixed point theorem for semi-compatible mappings in symmetric spaces, International Journal for Research in Engineering Application & Management, Vol. 04 (06), (2018), 111-116.
2. P.K. Eswari, P. Thirunavukkarasu, R. Manjula, Some results on Fixed points for generalized  $(a, f, y)$  contractive multifunctions in symmetric spaces, Journal of Emerging Technologies and Innovative Research, Vol.6, Iss.1, (2019), 649-656.
3. P.K. Eswari, P. Thirunavukkarasu, R. Manjula, On Coincidence and Fixed Point Results of Rational Type Contractions in symmetric spaces, International Journal of Research and Analytical Reviews, Vol. 6, Iss (1), (2019), 20-25.
4. P.K. Eswari, P. Thirunavukkarasu, R. Manjula, Fixed Point Theorems for F-expanding Mappings in Symmetric Spaces and Partial Symmetric Spaces, Journal of Applied Science and Computations, Vol. VI, Issue III, (2019), 2237-2243.
5. P.K. Eswari, P. Thirunavukkarasu, A. Thanithamil, Fixed Points for Cyclic Contractions in Symmetric Spaces and Partial Symmetric Spaces, CIKITUSI Journal for multidisciplinary Research, Volume 6, Issue 5, (2019), 77-84.
6. P.K. Eswari, P. Thirunavukkarasu, K. Raja, A Common fixed point theorem for weakly compatible mapping in partial symmetric spaces satisfying a contractive condition of integral type, Far East Journal of Volume 121, Issue Number 1, 2019, Pages 71-80 .

7. P.K. Eswari, P. Thirunavukarasu, Common Fixed Point Results for Semi-Compatible Mappings with Common E.A Property in Symmetric Spaces, Adalya Journal, Volume 8, Issue 9, (2019), 448-451.
8. P.K. Eswari, P. Thirunavukarasu, Common Coupled Coincidence Fixed Point Results in Generalized Partially Symmetric Metric Space, IJAEMA, Volume XI, Issue IX, (2019), 1355-1359.

**Dr.P.K.ESWARI** has attended the following conferences:

**Conferences:**

- 1.P.K. Eswari, P. Thirunavukarasu, R. Manjula have presented the paper,' Some results on Fixed points for generalized  $(\alpha, f, y)$  contractive multifunctions in symmetric space' in Heber International Conference on Applications of Actuarial Science, Bishop Heber College (Autonomous), Thiruchirappalli (2019).
2. P.K. Eswari, P. Thirunavukarasu, R. Manjula have presented the paper,' On Coincidence and Fixed Point Results of Rational Type Contractions in symmetric spaces' in the International Conference on mathematical Methods and Computation (2019), Jamal Mohammed College, Trichy.

**Dr.R.SAYEELAKSHMI** has published the following papers:

- 1.K. Ponnammal and R.Sayeelakshmi, "A Proposed Fourth-Order Continuous Extension Runge- Kutta Method Based on Interpolation for Solving Delay Differential Equations", Journal of Applied Science and Computations, volume VI, Issue I, ISSN NO:1076-5131, January-2019.
- 2.K. Ponnammal and R.Sayeelakshmi, "Natural Continuous Extension Implicit Runge-Kutta Method for Solving Nonlinear DDE in Blood Cell Production", International Journal of Research in Advent Technology, Vol.7, NO.5 E-ISSN:2321-9637, May 2019.
3. K. Ponnammal and R. Sayeelakshmi, "Numerical Solution of generalised Pantograph Equation Using Natural Continuous extension fourth order Runge-Kutta method", Malaya Journal of Matematik, vol.7, NO.3, 545-549, July 2019.
4. K. Ponnammal and R. Sayeelakshmi, "Singly Diagonally Implicit Runge-Kutta Method for the solution of the linear and non-linear Delayed –Action Oscillator Equation", International Journal of Scientific & Technology Research, Vol 8, Issue 10, Page. 409 – 414, Oct 2019.

## **2021-22 Publications**

### **JOURNALS:**

1. R. Kumar, R. Sayeelakshmi, K. Sasikala, B P Upendra roy, "Stochastic and Fuzzy -Stochastic Production Models for Linear-Price Dependent Demand and Stock Dependent Demand with Constraints", 2022 IEEE 2nd Mysore Sub Section International Conference *IEEE xplore*: 13 December 2022, doi: 10.1109/mysurucon55714.2022.9972626.

### **CONFERENCE:**

2. R. Kumar, R. Sayeelakshmi, K. Sasikala, B P Upendra roy, "Stochastic and Fuzzy- Stochastic production models for linear price dependent demand with constraints" JSS Science and Technology University, Mysuru Partnered (Academic) with Nittu Meenakshi Institute of Technology, Bengaluru during 16 and 17 October 2022.

**2022-23**

**Dr. R. KUMAR**

**PUBLICATIONS:**

**Dr. R. Kumar** has published the following papers:

1. Stochastic and Fuzzy -Stochastic Production Models for Linear-Price Dependent Demand and Stock Dependent Demand with Constraints, 2022 ieee 2nd mysore sub section international conference **ieee xplore**: 13 December 2022,doi: 10.1109/mysurucon55714.2022.9972626.
2. Eye Blink to Speech Conversion for Paralyzed(MND) patients Using ML Based Algorithm,2022 IEEE, International Conference on Data Science and Information System(ICDSIS)DOI:10.1109/ICDSIS5513.2022.9915805

**CONFERENCE:**

**Dr. R. Kumar** has presented the paper:

1. Stochastic and Fuzzy- Stochastic production models for linear price dependent demand with constraints” JSS Science and Technology University, Mysuru Partnered (Academic) with Nittu Meenakshi Institute of Technology , Bengaluru during 16 and 17 October 2022 .

**Dr. R. SAYEELAKSHMI**

**PUBLICATIONS:**

**Dr. R. Sayeelakshmi** has published the paper:

1. Stochastic and Fuzzy -Stochastic Production Models for Linear-Price Dependent Demand and Stock Dependent Demand with Constraints, 2022 ieee 2nd mysore sub section international conference **ieee xplore**: 13 December 2022,doi: 10.1109/mysurucon55714.2022.9972626.

**CONFERENCE:**

**Dr. R. Sayeelakshmi** has presented the paper:

1. Stochastic and Fuzzy- Stochastic production models for linear price dependent demand with constraints” JSS Science and Technology University, Mysuru Partnered (Academic) with Nittu Meenakshi Institute of Technology , Bengaluru during 16 and 17 October 2022 .

**K. SASIKALA**

**PUBLICATIONS:**

**K. Sasikala** has published the paper:

1. Stochastic and Fuzzy -Stochastic Production Models for Linear-Price Dependent Demand and Stock Dependent Demand with Constraints, 2022 ieee 2nd mysore sub section international conference **ieee xplore**: 13 December 2022,doi: 10.1109/mysurucon55714.2022.9972626.

**CONFERENCE:**

**K. Sasikala** has presented the paper:

1. Stochastic and Fuzzy- Stochastic production models for linear price dependent demand with constraints, JSS Science and Technology University, Mysuru Partnered (Academic) with Nittu Meenakshi Institute of Technology , Bengaluru during 16 and 17 October 2022 .

## **2023-24**

### **Dr. R. KUMAR**

#### **PUBLICATIONS:**

**Dr. R. Kumar** has published the following papers:

1. Fuzzy Inventory Model For Constant Deteriorating Items With Price Discount Without Back Order, Journal of Xi'an University of Architecture & Technology, Volume XV, Issue12, Page No:384-390.
2. A Two Warehouse Fuzzy Inventory Model For Quantity Dependent Demand and Price Dependent Demand With Deteriorating Items, Journal of Xi'an University of Architecture & Technology, Volume XV, Issue12, Page No:149-154.

**CONFERENCE: Dr. R. Kumar** has presented the paper:

1. A Teaching and Learning based Optimization Algorithm for Efficient Routing in Vehicular Ad Hoc Networks in IEEE, 2023.
2. Error Analysis of a linear Delay Differential Equation through Programming Language in Aiman College of Arts and Science for Women, 2024.

### **Dr. R. SAYEELAKSHMI**

**CONFERENCE: Dr. R. Sayeelakshmi** has presented the paper:

1. Error Analysis of a linear Delay Differential Equation through Programming Language in Aiman College of Arts and Science for Women, 2024.

### **S.REVATHY**

**S.Revathy** has published the following paper:

1. Fuzzy Inventory Model For Constant Deteriorating Items With Price Discount Without Back Order, Journal of Xi'an University of Architecture & Technology, Volume XV, Issue12, Page No:384-390.

### **A.ELAMATHI**

**A.Elamathi** has published the following paper:

1. A Two Warehouse Fuzzy Inventory Model For Quantity Dependent Demand and Price Dependent Demand With Deteriorating Items, Journal of Xi'an University of Architecture & Technology, Volume XV, Issue12, Page No:149-154.

## **2024-25**

### **Dr. R. KUMAR**

**CONFERENCE: Dr. R. Kumar** has presented the paper:

1. Intrusion Detection and Prevention in Software- Defined Networks using Improved Bidirectional Long Short-term Memory in ICDWCI organized by Cauvery Institute of Technology, Mandya.

### **Dr. R. SAYEELAKSHMI**

#### **PUBLICATIONS:**

1. **Dr. R. Sayeelakshmi** has published the paper:  
Pythagorean Fuzzy Soft Nano Topological Space and it's Applications, International Journal for Research in Applied Science and Engineering Technology, Vol 13, Issue : III, Page: 521-526.

