

Research Guidance : Ph.D.s: 06

- (i) Dr.R.Mohan- Some Inventory management Models for Perishable items with Quadratic Demand patterns (April 2013)
 - (ii) Dr.K.Pavan Kumar-Some Investigations on Cosmic Strings and Domain Walls in the presence of Zero-Mass Scalar Field (November 2013)
 - (iii) Dr.K.Sreenivas- Multifluid Cosmological Models in Certain Alternative Theories of Gravitation (October 2014)
 - (iv) Mr.G.S.S.Bhishma Rao - A Mathematical Modelling Approach to Study Efficiency and Productivity of Indian Non-life Insurance Firms (May 2016)
 - (v) Mr.J.Satish - Some Multi Fluid Cosmological Models in Certain Alternative Theories of Gravitation (June 2016)
 - (vi) EOQ Models for Deteriorating Items Having Quadratic Demand Rate Under Inflation and Permissible Trade Credit (Submitted in Feb 2016)
1. Research Projects : Successfully completed a UGC Major Research Project entitled
 2. “Cosmological Models with extra Dimensions in Alternative Theories of Gravitation”.
 3. Duration: 3 years (August 2002 to July 2005)

Research and publications

International:

1. J.Satish and R.Venkateswarlu, Chinese Journal of physics Bulk Viscous Fluid Cosmological Models in $f(R,T)$ Gravity 2016.
2. R.Venkateswarlu and M.S.Reddy, Intl. J. Adv. Sci. and Engg. Res. Optimal Ordering Policies for Deteriorating Items with Controllable Deterioration Rate and Time Dependent Quadratic Demand Vol.5 (1), pp.98-106, 2016 .
3. R.Venkateswarlu and J.Satish, The African Rev. Phys. Higher dimensional FRW String Cosmological Model with Bulk Viscous Quark and Strange Quark Matter in Lyra Manifold Vol.10(0050), pp.411-425, 2015.
4. G.S.S.Bhishama Rao and R.Venkateswarlu, Intl.J.Appl.Oper. Res. A Study on Efficiency and Productivity of Indian Non-Life Insurers Using Data development Analysis Vol.5 (3), pp.1-15, 2015.
5. R.Venkateswarlu and J.Satish, J. Phys.Sci.& Envir. Studies Kantowski-Sachs, Interacting Holographic Dark Energy Model in Barber’s Self Creation Theory Vol.1(5), pp.68-75, 2015.
6. R.Venkateswarlu and J.Satish, Prespacetime J.Kantowski-Sachs, Cosmological Models with Variable Displacement Vector in Lyra Geometry Vol. 6(10), pp. 975-983, 2015
7. R.Venkateswarlu, Prespacetime J. LRS Bianchi, Type-I Dark Energy Models Based on Scalar Field Vol.6(4), pp.305-312, 2015.

8. R.Venkateswarlu and J.Satish, J. Adv. Phys. Bulk Viscous Cosmic Strings Coupled with Zero-Mass Scalar Field Vol.4, No.2, pp.101-112, 2015 .
9. R.Venkateswarlu and M.S.Reddy, AIMS-12 Price Dependent Quadratic Demand Inventory Models with Variable Holding Cost and Inflation Rate, 2015.
10. R.Venkateswarlu and G.S.S.Bhishma Rao, IOSR J. Math. A Mathematical Modelling Approach to Efficiency Ranking of Indian Non-life Insurance Firms using Super-Efficiency and Cross-Efficiency DEA Models Vol.11, No.1, pp.72-79, 2015.
11. R.Venkateswarlu and K.Sreenivas, The African Rev. Phys. Self Gravitating Plane Symmetric Domain Walls in Modified Theory of Gravitation Vol.9 (0047), pp.377-380, 2014.
12. R.Venkateswarlu and J.Satish, European Phys.J.Plus Behaviour of Brans-Dicke parameter in Generalised Chameleon Cosmology with Kantowski-Sachs Space-Time Vol.149275, 2014 ,Impact factor 1.47.
13. R.Venkateswarlu and J.Satish, Intl. J. Theor. Phys Two Fluid FRW Inflationary Dark Energy Model Coupled With Mass Less Scalar Field Vol.54, No.3, pp.1009-20, 2015, Impact factor 1.19.
14. R.Venkateswarlu, Clifford Analysis, Clifford Algebra and Their Appl. Kaluza-Klein Cosmological Model with Modified Chaplygin Gas in the Presence of Zero- Mass scalar Field Vol.4 (3), pp.241-247, 2015.
15. R.Venkateswarlu, Prespacetime J. The LRS Bianchi Type-I Strings with Strange Quark Matter coupled with Zero-Mass Scalar Field Vol.5, No.13, pp.1398-1402, 2014.
16. R.Venkateswarlu and G.S.S.Bhishma Rao, IOSR J. Eco.Fin. Efficiency of Indian Non Life Insurance companies using Stochastic Frontier Analysis Vol.4, No.1, pp.42-46 2014.
17. R.Venkateswarlu and J.Satish, ICRAM Proceedings Bianchi Type-III Two-Fluid Cosmological Model Coupled With Zero Mass Scalar Field 2014.
18. R.Venkateswarlu and J.Satish, J. Gravity LRS Bianchi Type-I Inflationary String Cosmological Model in Brans-Dicke Theory of Gravitation Article ID 909374, 2014.
19. R.Venkateswarlu and J.Satish, ICRAM Proceedings Kaluza- Klein Cosmological Model with Two -Fluid Source in Brans-Dicke Theory 2014.
20. R.Venkateswarlu and M.S.Reddy, Intl.J.Mod.Engg.Res. Time Dependent Quadratic Demand Inventory Models when Delay in Payments is Acceptable Vol.4, No.3 pp.60-71, 2014.
21. R.Venkateswarlu and K.Sreenivas, Prespacetime Journal Anisotropic Bianchi Type-I Mesonic Cosmological Models with Two- Fluid Source Vol.5, No.2 pp.69-76, 2014.
22. R.Venkateswarlu and M.S.Reddy, Global J Pure Appl. Math. Time Dependent Quadratic Demand Inventory Models Under Inflation Vol.10, No. pp.77-85, 2014.
23. R.Venkateswarlu and J.Satish, Intl. J. Theor. Phys. Kantowski-Sachs Bulk viscous String Cosmological Models in the Presence of Zero-Mass Scalar Fields, Vol.53 pp.1879-1895, 2014, Impact factor 1.19.

24. R.Venkateswarlu and K.Sreenivas, Intl. J. Theor. Phys. Anisotropic Bianchi Type-I and Type-II Bulk Viscous String Cosmological Models Coupled with Zero Mass Scalar Field Vol.53 pp.2051-2064, 2014 ,Impact factor 1.19.
25. R.Venkateswarlu and K.Sreenivas, The African Rev. Phys. Cosmic Strings and Domain Walls with Kaluza-Klein Metric in Self-Creation Theory of Gravitation Vol.8 (0038) pp.257-261 2013.
26. R.Venkateswarlu, Prespacetime Journal Kaluza-Klein Mesonic Cosmological Model with Two Fluid Source Vol.4, No.8, pp.801-806, 2013.
27. R.Venkateswarlu, The African Rev. Phys. Cylindrically Symmetric Cosmic Strings in Scale Covariant Theory of Gravitation Vol.8(0035) Pp.233-237, 2013.
28. R.Venkateswarlu and J.Satish, Prespacetime Journal Bianchi Type-VI String Cosmological Models in a new Scalar-Tensor Theory of Gravitation Vol.4, No.4, Pp387-394, 2013 .
29. R.Venkateswarlu and K.Sreenivas, Prespacetime Journal Axially Symmetric Domain Walls and Cosmic Strings in Modified Theory of Gravitation Vol.4, No.4, pp395-404, 2013.
30. R.Venkateswarlu, J.Satish, and K.Pavan Kumar, The African Rev. Phys. Higher Dimensional FRW String Cosmological Models in a New Scalar-tensor Theory of Gravitation Vol.8 (0026), pp.169-175 2013.
31. R.Venkateswarlu and J.Satish, Prespacetime Journal LRS Bianchi Type-III Massive String Cosmological Models in Scalar-Tensor Theory of Gravitation Vol.4, No.3 pp.321-332 2013.
32. R.Venkateswarlu and K.Sreenivas, Prespacetime Journal Kantowski-Sachs Strings Cosmological Model in the Presence of Zero-Mass Scalar Field Vol.4, No.1 pp.59-64 2013.
33. R.Venkateswarlu and J.Satish, Prespacetime Journal Kantowski-Sachs Strings Cosmological Models in Sen-Dunn Theory of Gravitation Vol.3, No.12 pp.1182-1190 2012 .
34. R.Venkateswarlu and K.Sreenivas, J Gravit. & Cosmo. Non-Static Plane Symmetric and Bianchi Type-I Domain Walls in the Presence of Zero-Mass Scalar Fields May 2012 Accepted.
35. R.Venkateswarlu and J.Satish, Research in Astronomy and Astrophysics Non-static plane symmetric inflationary Universe in scalar tensor theory Vol.12, No.6 pp.636-642. 2012 ,Impact Factor 1.53.
36. R.Venkateswarlu and R.Mohan, Intl. J. Adv. Modeling and Optimisation An EOQ Model with Time Dependent Quadratic demand and Constant Deterioration Rate June 2011 .
37. R.Venkateswarlu and R.Mohan, AIMS-10 proceedings An Inventory Model for Time Dependent Quadratic Demand with Weibull Rate of Deterioration and Salvage Value 2011.
38. R.Venkateswarlu and J.Satish, Electronic Journal of Theoretical Physics-Some Bianchi type-I Cosmic strings in a Scalar-Tensor Theory of Gravitation Vol.8, No.25, pp.1-8 2011.
39. R.Venkateswarlu and K.Sreenivas, International Journal of Theoretical Physics Plane Symmetric String Cosmological Models in Zero-Mass Scalar Fields Vol.49,1894-1898,2010, Impact Factor1.19.

40. R.Venkateswarlu, VUM Rao, and K.Pavan Kumar, International Journal of Theoretical Physics String Cosmological Solutions in Self-Creation Theory of Gravitation Vol.47 pp.640-648 2008 ,Impact Factor 1.19.
41. R.Venkateswarlu and K.Pavan Kumar, Astrophysics and Space Science Higher Dimensional FRW cosmological Models in Self-Creation Theory Vol.301, pp.73-77, 2006,Impact Factor 2.40.
42. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Einstein – Rosen Universe in a Scalar – Tensor Theory of Gravitation Vol.301, pp.79-82, 2006 ,Impact Factor 2.40.
43. R.Venkateswarlu and K.Pavan Kumar, Astrophysics and Space Science Higher Dimensional String Cosmologies in Scale-Covariant Theory of Gravitation Vol.298 pp.403-408, 2005 , Impact Factor2.40.
44. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Einstein – Rosen Universe in the Scale – Covariant Theory of Gravitation Vol.289 pp.1-7, 2004, Impact Factor 2.40.
45. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Higher dimensional vacuum Friedmann models in Dunn’s theory of Gravitation Vol.202, Pp57-61, 1993 , Impact Factor 2.40.
46. R.Venkateswarlu, D.R.K.Reddy, B.M.Patrudu, Astrophysics and Space Science Exact Bianchi type-II, VIII and IX cosmological models in Scale-Covariant theory of Gravitation Vol.204, pp.155-160, 1993 , Impact Factor 2.40.
47. R.Venkateswarlu , D.R.K.Reddy, VUM Rao, and K.Santhi, Astrophysics and Space Science Vacuum Bianchi type-III Cosmological models in Ross and Dunn theories of gravitation Vol.175, pp.241-245, 1991, Impact Factor 2.40.
48. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Exact Bianchi type-II, VIII and IX models with matter and electromagnetic fields in Lyra’s Manifold Vol.182, pp.97-103, 1991, Impact Factor 2.40.
49. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-II, VIII and IX cosmologies with conformally invariant scalar fields and electromagnetic fields Vol.184, pp.153-156,1991 , Impact Factor2.40.
50. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Exact Bianchi type-II Vacuum model in a Scalar-Tensor theory of gravitation Vol.166, pp.45-48, 1990 , Impact Factor 2.40.
51. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-I models in Self-Creation Cosmology Vol.168, pp.193-198, 1990 , Impact Factor 2.40.
52. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Exact Bianchi Type-II Lyttleton-Bondi Universe Vol.176, pp.47-50,1991 , Impact Factor 2.40.
53. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-VI₀ models in Self-Creation Cosmology Vol.155, pp.135-139, 1989, Impact Factor 2.40.
54. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Non-existence of Bianchi type-I perfect fluid cosmological models in Bi-Metric theory of gravitation Vol.158, pp.169-171, 1989, Impact Factor 2.40.

55. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science On Berkhoff's theorem in Bergmann-Wagoner theory Vol.159, pp.173-176, 1989, Impact Factor 2.40.
56. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science, Vacuum Bianchi type-V and -VIo cosmological models in a new Scalar-Tensor theory of gravitation Vol.161, pp.125-131, 1989, Impact Factor 2.40.
57. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science, Vacuum Bianchi type-VIo cosmological models in Ross and Dunn theories of gravitation, Vol.153, pp.121-125, 1989, Impact Factor 2.40.
58. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-VIo cosmological model in the presence of zero-Mass Scalar fields Vol.153, pp.253-256, 1989 , Impact Factor 2.40.
59. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-V Lyttleton-Bondi Universe Vol.154,pp.111-114, 1989, Impact Factor 2.40.
60. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-VIo Lyttleton-Bondi Universe Vol.154, pp.115-118, 1989, Impact Factor 2.40.
61. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Vacuum Bianchi type-V cosmological models in Ross and Dunn theories of gravitation Vol.155, pp.131-134, 1989, Impact Factor 2.40.
62. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Plane symmetric vacuum model in Self-Creation Cosmology Vol.150, pp.379-382, 1988, Impact Factor 2.40.
63. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Vacuum Friedmann models in Self-Creation Cosmology Vol.151, pp.157-160, 1989, International, Impact Factor 2.40.
64. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science An anisotropic cosmological model in Self-Creation cosmology Vol.152, pp.337-341, 1989 , Impact Factor 2.40.
65. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-V radiating model in Self-Creation Cosmology Vol.151, pp.353-356, 1989 , Impact Factor 2.40.
66. R.Venkateswarlu and D.R.K.Reddy Astrophysics and Space Science Magnetised cosmological model on Lyra's Manifold Vol.149, pp.287-291, 1988, Impact Factor 2.40.
67. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Non-existence of static conformally flat solution in Self-Creation Cosmology Vol.147, pp.115-119, 1988, Impact Factor 2.40.
68. R.Venkateswarlu , D.R.K.Reddy, and MB Avadhanulu, Astrophysics and Space Science A static conformally flat vacuum model in Self-Creation Cosmology Vol.141, pp.181-184, 1988, Impact Factor 2.40.
69. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science Bianchi type-I Universe in the presence of Zero-Mass Scalar Fields Vol.136 , pp.17-20, 1987, Impact Factor 2.40.
70. R.Venkateswarlu , D.R.K.Reddy, and MB Avadhanulu, Astrophysics and Space Science Birkhoff type theorem in Scale-Covariant theory of gravitation Vol.136, pp.191-194, 1987, Impact Factor 2.40.

71. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science A static conformally flat cosmological model in Lyra's Manifold Vol.136, pp.183-186, 1987, Impact Factor 2.40.
72. R.Venkateswarlu and D.R.K.Reddy, Astrophysics and Space Science An anisotropic Cosmological Model in a Scalar-Tensor theory of gravitation Vol.135, pp.287-290, 1987, Impact Factor 2.40.
73. R.Venkateswarlu, D.R.K.Reddy, and MB Avadhanulu, Astrophysics and Space Science Birkhoff type theorem for electromagnetic fields in Self-Creation Theory of Gravitation Vol.134, pp.261-264, 1987, Impact Factor 2.40.

National:

1. M.S.Reddy and R.Venkateswarlu, IOSR J Math, Perishable Inventory Models for Stock dependent Quadratic Demand under Inflation Vol.12(2), pp.64-70, 2016.
2. R.Venkateswarlu and R.Mohan, Res.J.Mangt.Sci. Inventory Management Model with Quadratic Demand, Variable Holding Cost with Salvage value Vol.3(1), pp.18-22, 2014.
3. R.Mohan and R.Venkateswarlu, Journal of Indian Mathematical Society Inventory Models for Time Dependent Deterioration, Time Dependent Quadratic Demand and Salvage Value Vol.81(1-2) pp.135-146 2014.
4. R.Venkateswarlu and R.Mohan, Indian J. Computational and Applied Mathematics An Inventory Model for Time Varying Deterioration and Price Dependent Quadratic Demand with Salvage Value Vol.1, No.1, pp.21-27, 2013.
5. R.Venkateswarlu and R.Mohan, IOSR -Journal of Business and Management Inventory Management Models with Variable Holding Cost and Salvage value Vol.12, No.3, pp37-42, 2013.
6. R.Venkateswarlu and R.Mohan, Intl. Journal of Applied Mathematical Sciences Inventory Models for Deteriorating Items with Time Dependent Quadratic Demand and Salvage Value Vol5, NO.1-2, pp.11-18 2011.
7. R.Venkateswarlu and Ganti subrahmanyam, The ICFAI Journal of Applied Economics A Portfolio Theoretic Model of Sectoral Growth: Some Evidence for India Vol. 2008.
8. R.Venkateswarlu and M.V.S.Kameswar Rao, ICFAI Journal of Applied Finance Determinants of Foreign Direct Investments - A Cross Country Analysis September 2004.
9. DRK Reddy, Ch.Ramana Murthy and R.Venkateswarlu J. Indian Mathematical Society Viscous Fluid FRW cosmological Models in Scale-Covariant Theory of Gravitation Vol.6 2002
10. DRK Reddy, Ch.Ramana Murthy and R.Venkateswarlu J. Indian Mathematical Society Higher Dimensional Cosmological Models in Lyra's Manifold Vol.64 2001

11. DRK Reddy, Ch.Ramana Murthy and R.Venkateswarlu Proceedings of National Seminar on Mathematical Sciences Viscous Fluid FRW Cosmological Models in New Scalar - Tensor Theory of Gravitation proposed by Saez and Ballister Vol.12 2001
12. DRK Reddy, Ch.Ramana Murthy and R.Venkateswarlu Proceedings of National Seminar on Mathematical Sciences Non – Static Conformally Flat Solutions in a Scalar-Tensor Theory of Gravitation Vol.11 2001

Books Reviewed:

Reviewed a book on “Business Statistics” for Tata McGraw Hill, 2007.

External Examiner

1. External examiner for M.Phil/Ph.D. JNTU-Kakinada
2. KL University, Vijayawada
3. Department of Commerce and Management, Sambalpur University, Sambalpur
4. Dept. of Mathematics, Berhampur
5. PB Siddhartha College of Engineering, Vijayawada

MDPs Coordinated

1. Executive Development Programme in Logistics and Shipping, June 2002 at Visakhapatnam
2. Supply Chain Management, September 2004 at Tirupati FDPs Organised
3. Advanced Research Methods in Management, September 19-20, 2014.
4. Research Methods in Management, October 3-4, 2013.
5. Research Methods in Management, October 4-5, 2012.
6. Business Research Methods and training Programme on Statistical Software, September 24-25, 2010.
7. Research Methods and Training Programme on SYSTAT, April 24-25, 2009.
8. Two day workshop on “Operations Research”, December 5-6, 2008.
9. One day workshop on “Analytical Tools for Marketing Research”, Feb 2007.
10. One day workshop on “Research Methods in Social Science”, April 28, 2007.