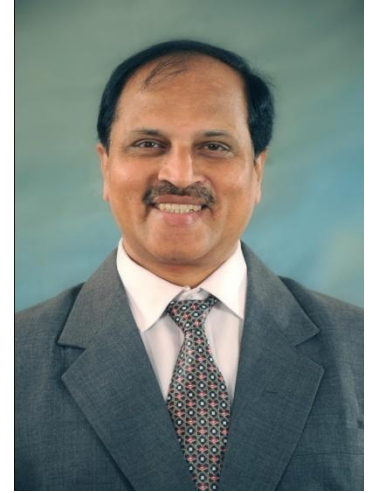


Profile of Prof. V.Uma Maheswara Rao

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Educational Qualification:

➤ **Doctoral Details:**

Received **Ph.D** for the thesis (**submitted in a record period of 2½ years**) titled “**Certain Investigations in Scalar-Tensor Theories of Gravitation**” from Andhra University on 02-02-1982.

➤ **Post Graduation**

1978 - M.Sc, Andhra University
1980 - PGDAS, Andhra University

➤ **Under Graduation**

1976 - B.Sc., Andhra University

Professional Experience:

- Professor, Andhra University from 27-07-1998 till date.
- Associate Professor, Andhra University from 31-12-1989 to 30-12-1998.
- Assistant Professor, Andhra University from 31-12-1984 to 30-12-1989.

Scholarships, Honors & Awards:

- Fellow, Andhra Pradesh Akademi of Sciences, 2016
- Young Scientist Scheme, DST, 1988.
- State Merit Scholarship, A.P. GOVT., 1976-78.

- Research Associate, CSIR, 1983-84.
- Post Doctoral Fellow, CSIR, 1982-83.
- Senior Research Fellow, CSIR, 1981-82.
- Junior Research Fellow, CSIR, 1979-81.

Administrative Experience:

- **Registrar, Andhra University from 15-02-2015 till date.**
- Chairman, BOS, Department of Applied Mathematics, Andhra University from 20-01-2013 to 19-01-2016.
- Registrar, Andhra University from 12-10-2012 to 14-2-2013.
- HOD, Department of Applied Mathematics, Andhra University from 01-07-2009 to 12-04-2012.
- Member, Board of Studies in Applied Mathematics of Sri Padmavati Mahila Visvavidyalayam, Tirupati.
- Member, Board of Studies in Applied Mathematics of Saint Joseph College for Women, Visakhapatnam.
- Member, Governing Body, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.
- Member, Governing Body, VSM College, Ramachandrapuram.
- Member, Governing Body, Siddardha P.G. and Degree College, Vijayawada.
- Former Member, Governing Body, SKBR Degree College, Amalapuram.

Academic Guidance:

- **Ph.Ds:**

1. "Investigation of Some Spatially Homogenous and Anisotropic Cosmological Models of the Universe in Certain Modified Theories of Gravitation", V.Jaya Sudha, AWARDED, 2016.
2. "Analysis of Vibrational Spectra of Polyatomic molecules using the Lie algebraic method", J.Vijayasekhar, SUBMITTED, 2015.
3. "Some Ramifications: Theories of Gravitation", G.Suryanarayana, SUBMITTED, 2015.
4. "Study of some cosmological models in certain alternative theories of gravitation", D.Ch.Paparao, AWARDED, 2015.

5. "Study of Bianchi Space Times in Different Theories of Gravitation", B.Jagan Mohan Rao, AWARDED, 2015.
6. "Study on some cosmological models with various matter distributions in certain modified theories of gravitation", D.Neelima, AWARDED, 2014.
7. "Certain investigations in alternative theories of gravitation", K.V.S. Sireesha, AWARDED, 2014.
8. "Some cosmological models in alternative theories of gravitation", G.Sridevi Kumari, AWARDED, 2013.
9. "Binachi type-II, VIII&IX cosmological models in certain theories of gravitation", M.Vijaya Santhi, AWARDED, 2012.
10. "Effects of chemical reaction & radiation and associated dispersion on heat and mass transfer in mixed convective flow & Non-Newtonian flow in a saturated porous medium through a rotating straight pipe and associated dispersion", K.Ramesh, AWARDED, 2012 .
11. "Some exact cosmological models in certain theories of gravitation", T.Vinutha, AWARDED, 2010.
12. "Some exact cosmological models of the Universe in certain scalar-tensor and other theories of gravitation", R.Lakshun Naidu, AWARDED, 2008.
13. "Control of Flow Separation around bluff bodies using electromagnetic forces", T.V.R.Ravi Kumar, AWARDED, 2007.
14. "Some Anisotropic Homogeneous Cosmological Models in New Theories of Gravitation", K. Shanthi, AWARDED, 1993.

- **M.Phils:**

1. "Bianchi dark energy cosmological models in some scalar-tensor theories of gravitation", K. Deniel Raju, SUBMITTED, 2016.
2. "Kantowski-Sachs cosmological models in some theories of gravitation", U.Y.Divya Prasanthi, AWARDED, 2015.

3. "Bianchi cosmological models in some theories of gravitation", P.Suneetha, AWARDED, 2013.
4. "Dark Energy cosmological models in some scalar-tensor theories of gravitation", B.Lakshman Rao, AWARDED, 2013.
5. "Some Bianchi type-III investigations in Bimetric theory of gravitation", M. Nagamani, AWARDED, 2012.
6. "Plane Symmetric and Kantowski-Sachs string cosmological models in Bimetric theory of gravitation", G.Suryanarayana, AWARDED, 2009.
7. "Some exact cosmological models in certain theories of gravitation", M.Vijaya Santhi, AWARDED, 2007.
8. "Some Investigations in scalar-tensor theory of gravitation", G.Sridevi Kumari, AWARDED, 2006.
9. "Some aspects of string cosmological models", Bharathi, AWARDED, 2005.
10. "Some Bianchi type string cosmological models in self-creation theory of gravitation", Pavan Kumar, AWARDED, 2005.
11. "Some problems in scalar-tensor theory of gravitation", V.Venkateswara Rao, AWARDED, 1994.
12. "Exact Bianchi type VIII and IX models in zero mass scalar fields and self-creation cosmology ", Y.V.S.S.Sanyasi Raju, AWARDED, 1990.

Journal Publications:

Total number of research papers published in various reputed International Journals	: 121
Total Impact Factor	: 118.079
Total Citations	: 952
H-index	: 18
i10-index	: 31

1. Two Fluid Scenario for Axially Symmetric Dark Energy Cosmological Models in Brans-Dicke Theory of Gravitation in *Advances in Astrophysics* (Online ISSN: 2415-6469, Print ISSN: 2415-6450), **1**, 54-61 (2016).
2. Kantowski-Sachs Two Fluid Radiating Cosmological Model in Brans-Dicke Theory of Gravitation in *Advances in Astrophysics* (Online ISSN: 2415-6469, Print ISSN: 2415-6450), **1**, 62-71 (2016).
3. Bianchi Tilted Cosmological Models in Lyra Manifold in *African Review of Physics* (ISSN 2223-6589), **11**, 0005 (2016).
4. LRS Bianchi type-V Universe with Variable Modified Chaplygin Gas in a Scalar Tensor Theory of Gravitation (Accepted for publication in *Canadian journal of physics* ISSN: 0008-4204). (2016) Impact Factor: 0.964.
5. Kantowski-Sachs holographic cosmological model in Saez-Ballester theory of gravitation in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 783-791 (2016).
6. Vibrational Spectra of Polyatomic Molecules Using Lie Algebraic Method: (A Review) in *Oriental Journal Of Chemistry* (ISSN: 0970-020 X), **32**: 437-440, (2016). Impact Factor: 0.479
7. Five-dimensional FRW String Cosmological Models with Bulk Viscosity in Brans-Dicke Theory of Gravitation in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 520-536, (2016).
8. Spherically Symmetric Universe with Holographic Dark Energy & Generalized Chaplygin Gas in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 537-546, (2016).
9. Interacting LRS Bianchi Type-I Cosmological Model in $f(R, T)$ Gravity with Modified Chaplygin Gas in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 547-561, (2016).
10. Higher Dimensional FRW Perfect Fluid Cosmological Models in $f(R, T)$ Gravity in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 562-583, (2016).
11. Some Bianchi Type Generalized Ghost Pilgrim Dark Energy Models in General Relativity, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **361**, 142 (2016). Impact Factor: 2.263.
12. Kantowski-Sachs holographic dark energy in Brans-Dicke theory of gravitation in *African Review of Physics* (ISSN 2223-6589), **11**: 0001 (2016).
13. Bianchi type-II, VIII and IX cosmological models in a modified theory of gravity with variable Λ , *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **361**, 56 (2016) Impact Factor: 2.263.

14. Two-Fluid Scenario for Higher Dimensional Dark Energy Cosmological Model in Saez-Ballester Theory of Gravitation in *Prespacetime Journal* (ISSN: 2153-8301), **7**, 293-308, (2016).
15. Two fluid scenario for Bianchi type-II, VIII & IX dark energy cosmological models in Brans-Dicke theory of gravitation in *African Review of Physics* (ISSN 2223-6589), Accepted for Publication (2016).
16. Bulk viscous cosmological models with wet dark fluid in Saez-Ballester theory of gravitation in *African Review of Physics* (ISSN 2223-6589), Accepted for Publication (2016).
17. Bianchi type-V dark energy model in $f(R, T)$ gravity, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **357**:48 (2015)
Impact Factor: 2.263
18. Five dimensional anisotropic dark energy model in $f(R, T)$ gravity, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **357**,65 (2015) Impact Factor: 2.263
19. Bianchi type-V dark energy model in Brans-Dicke theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **357**,1 (2015) Impact Factor: 2.263
20. Bianchi type-V string cosmological models in $f(R, T)$ gravity, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **357**,77 (2015) Impact Factor: 2.263
21. Five dimensional FRW cosmological models in a scalar-tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **357**,164 (2015)
Impact Factor: 2.263
22. Kantowski-Sachs Bulk Viscous String Cosmological Models in $f(R, T)$ Theory of Gravity, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 521, (2015)
23. Bulk Viscous String Cosmological Models in Lyra Geometry, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 540, (2015)
24. FRW Closed Bulk Viscous Cosmological Model in General Scalar Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 531 (2015).
25. Five-dimensional Bulk Viscous Cosmological Model with Wet Dark Fluid in Saez-Ballester Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 226 (2015).

26. Five dimensional spherically symmetric perfect fluid cosmological model in a scalar-tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **358**, 8 (2015) Impact Factor: 2.263
27. Minimally interacting holographic Dark energy model in Brans-Dicke theory *Astrophysics and Space Science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **356**, 407 (2015) Impact Factor: 2.263
28. Stationary spherically symmetric one-kink model in Saez-Ballester theory of gravitation, *Astrophysics and Space Science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **356**, 137 (2015) Impact Factor: 2.263
29. Five Dimensional FRW Radiating Models in Brans-Dicke Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **6**,596 (2015).
30. Dark energy cosmological models in general scalar tensor theory of gravitation, *African review of physics* (ISSN 2223-6589), **10**,12 (2015)
31. Kantowski-Sachs cosmological model in f(R,T) theory of gravity, *African review of physics* (ISSN 2223-6589), **10**,139(2015)
32. Bianchi type – III,V, & VI₀ Universes in f(R,T) gravity, *African review of physics* (ISSN 2223-6589), **10**,121 (2015)
33. A tilted cosmological model in Brans-Dicke theory of gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 777 (2015)
34. Anisotropic Bianchi Type-VI_h Perfect Fluid Cosmological Models in a Modified Theory of Gravity, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 947 (2015)
35. FRW Holographic Dark Energy Cosmological Model in BransDicke Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **6**, 961 (2015)
36. Bianchi type-III minimally interacting holographic dark energy model with linearly varying deceleration parameter in Brans-Dicke theory, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **360**, 54 (2015) Impact Factor: 2.263
37. Perfect fluid cosmological models in a modified theory of gravity, *European Physical Journal Plus*, (ISSN 2190-5444) **129**, 17 (2014). Impact Factor: 1.377

38. Cosmological models with strange quark matter attached to string cloud in GR and Brans-Dicke theory of gravitation, *European Physical Journal Plus* (ISSN 2190-5444), **129**, 122 (2014). Impact Factor: 1.377
39. Cosmological models with strange quark matter attached to string cloud in self-creation theory *African review of physics* (ISSN 2223-6589), **9**, 04 (2014).
40. A New class of Bulk-Viscous cosmological models in a modified theory of gravity, *Prespacetime Journal* (ISSN: 2153-8301), **5**, 521 (2014).
41. Bulk-Viscous cosmological models Coupled with a Scalar field in Einstein Theory of Gravitation *Prespacetime Journal* (ISSN: 2153-8301), **5**, 758 (2014).
42. Bulk-Viscous Bianchi Universe Coupled with zero mass Scalar field in General relativity *Prespacetime Journal* (ISSN: 2153-8301), **5**, 772 (2014).
43. Minimally interacting holographic dark energy model in a Scalar-Tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **354**, 577 (2014). Impact Factor: 2.263
44. Strange quark matter attached to string cloud in general scalar tensor theory of gravitation, *Iranian Journal of physics* (ISSN: 1682-6957), **14**, 35 (2014).
45. Kantowski-Sachs Dark Energy Cosmological Model in General Scalar Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), **5**, 1009 (2014)
46. Higher dimensional perfect fluid cosmological models in $f(R,T)$ gravity, *Prespacetime Journal* (ISSN: 2153-8301), **5**, 1389 (2014)
47. Axially symmetric space-time with strange quark matter attached to string cloud in self-creation theory and general relativity, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **52**, 354 (2013). Impact Factor: 1.184
48. LRS Bianchi-type –I Cosmological Viscous Fluid Universes Coupled with a Scalar field in Einstein Theory of Gravitation *Prespacetime Journal* (ISSN: 2153-8301), **4**, 629 (2013).
49. Perfect fluid Dark-energy cosmological models in Saez-Ballester & Einstein Theory of Gravitation *Prespacetime Journal* (ISSN: 2153-8301), **4**, 807 (2013).

50. Axially symmetric space-time with strange quark matter attached to string cloud in Brans-Dicke theory of gravitation, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **52**, 1052 (2013). Impact Factor: 1.184
51. Bianchi type-II, VIII & IX with strange quark matter attached to string cloud in Brans-Dicke and general theory of gravitation, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **52**, 1240 (2013). Impact Factor: 1.184
52. Bianchi type-II, VIII & IX perfect fluid and dark energy cosmological model in Saez-Ballester theory of gravitation, *ISRN Astronomy and Astrophysics* (Online ISSN: 2356-7872), DOI:10.1155/2013/924834 (2013).
53. Bianchi type-II, VIII & IX dark energy cosmological model in Saez-Ballester theory of gravitation. *African Review of Physics* (ISSN 2223-6589) **7**, 54 (2013).
54. Field of a charged particle in Bimetric theory of gravitation, *African Review of Physics* (ISSN 2223-6589), **8**, 01 (2013).
55. Perfect Fluid Einstein Rosen universe in $f(R,T)$ gravity, *European Physical Journal Plus* (ISSN 2190-5444), **128**, 35 (2013). Impact Factor: 1.377
56. Bianchi type- VI_0 cosmological model in $f(R,T)$ gravity, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **345**, 427 (2013).
Impact Factor: 2.263
57. Bianchi type-I string with bulk viscous cosmological model in Bimetric theory of gravitation, *African Review of physics* (ISSN 2223-6589), **8**,08 (2013).
58. Cosmological models in a modified theory of gravity, *Prespacetime Journal* (ISSN: 2153-8301) 4, 298 (2013).
59. Dark energy cosmological model in general scalar tensor theory of gravitation *Prespacetime Journal* (ISSN: 2153-8301), **4**, 377 (2013).
60. Kantowski-Sachs string cosmological model with bulk viscosity in general scalar tensor theory of gravitation, *ISRN Mathematical Physics* (Online ISSN: 2356-7872), doi.org/10.1155/2013/759274 (2013).
61. Perfect fluid cosmological models in GR and $f(R,T)$ gravity, *Prespacetime Journal* (ISSN: 2153-8301) , **4**, 571 (2013).

62. Non static plane symmetric Zeldovich Universe in a modified theory of gravity, *Prespacetime Journal* (ISSN: 2153-8301), **4**,581 (2013).
63. LRS Bianchi type-I dark energy cosmological models in general scalar tensor theory of gravitation, *ISRN Astronomy and Astrophysics* (Online ISSN: 2356-7872), doi:10.1155/2013/174741 (2013).
64. String cosmological models with bulk viscosity in Nordtvedt general scalar tensor theory of gravitation, *Journal of Theoretical and Applied Physics* (ISSN: 2251-7235) **7**, 50 (2013).
65. Axially Symmetric bulk viscous string cosmological models in GR and Brans-Dicke theory of gravitation, *ISRN Astronomy and Astrophysics* (Online ISSN: 2356-7872), doi:10.1155/2013/543483, (2013).
66. Studies of the Vibrational energy levels of H_2O by Algebraic and DFT Approaches, *Ukrainian Journal Physics* (ISSN 0372-400X) **58**, 836 (2013).
67. Analysis of vibrational spectra of nano-bio molecules: Application to metalloporphyrins, *Chinese Physics B* (Print ISSN: 1674-1056) **22**, 90304 (2013) Impact factor: 1.603.
68. Dark energy cosmological model coupled with perfect fluid in a theory of gravitation, *African review of physics* (ISSN 2223-6589), **8**, 59, (2013).
69. Vibrational spectra of distorted structure Macro & Nano molecules An algebraic approach: *Journal of Biophysical chemistry* (Print: 2153-036X, ISSN Online: 2153-0378), **3**, 259 (2012). Impact Factor: 0.44.
70. Resonance Raman spectroscopy of the red blood cells using lie algebraic technique, *Natural Science* (ISSN Print: 2150-4091, ISSN Online: 2150-4105), **4**, 792 (2012). Impact Factor: 0.73.
71. Bianchi type-II, VIII & IX perfect fluid magnetized cosmological models in Brans-Dicke theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), **337**,387 (2012). Impact Factor: 2.263
72. Bianchi Types II, VIII, and IX String Cosmological Models in Brans-Dicke theory of gravitation, *ISRN Mathematical Physics* (Online ISSN: 2356-7872), doi:10.5402/2012/573967 (2012).
73. A dark energy model in a scalar tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **337**, 499 (2012). Impact Factor: 2.263

74. A Cosmological model with negative constant deceleration parameter in a general scalar- tensor theory of gravitation, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **51**, 311 (2012). Impact Factor: 1.184
75. Kaluza-Klein radiating model in a general scalar - tensor theory, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **337**, 795 (2012).
Impact Factor: 2.263
76. Bianchi Types II, VIII, and IX String Cosmological Models with Bulk Viscosity in a theory of gravitation. *ISRN Mathematical Physics* (Online ISSN: 2356-7872), Doi:10.5402/2012/341612 (2012).
77. Bianchi Types II, VIII & IX String Cosmological Models with Bulk Viscosity in Brans-Dicke Theory of Gravitation. *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **51**, 3013 (2012). Impact Factor: 1.184
78. Axially symmetric string Cosmological model with bulk viscosity in self creation theory of gravitation. *European Physical Journal Plus* (ISSN 2190-5444), **127**, 49(2012).
Impact Factor: 1.377
79. A higher-dimensional string cosmological model in a scalar-tensor theory of gravitation. *European Physical Journal Plus* (ISSN 2190-5444), **127**, 33 (2012). Impact Factor: 1.377
80. LRS Bianchi Type-I Dark Energy Cosmological Model in Brans-Dicke Theory of Gravitation, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **51**, 3303 (2012). Impact Factor: 1.184
81. Axially symmetric perfect fluid cosmological model in Brans-Dicke theory, *African Review of physics* (ISSN 2223-6589), **7**, 42 (2012).
82. Bianchi type-VI₀ space-time with strange quark matter attached to string cloud in Saez-Ballester theory, *Prespacetime Journal* (ISSN: 2153-8301, **3**, 1226 (2012).
83. Bianchi type-II, VIII & IX magnetized cosmological model in Lyra geometry, *Prespacetime Journal* (ISSN: 2153-8301), **3**, 15 (2012).
84. Anisotropic universe with cosmic strings and bulk viscosity in a scalar-tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **335**, 635 (2011). Impact Factor: 2.263

85. Bianchi Type-II, VIII & IX Perfect Fluid Cosmological Models in Brans - Dicke Theory of Gravitation, *Journal of Modern Physics* (Print 2153-1196, Online: 2153-120X), **2**, 1222 (2011). Impact Factor: 0.74
86. Vibrational spectra of oxygen and nitrogen-bridged iron octaethylporphyrin dimers by an U(2) algebraic, *Journal of Biophysical chemistry* (Print: 2153-036X ISSN Online: 2153-0378), **2**, 310 (2011). Impact Factor: 0.44
87. Spectroscopic studies on distorted structure molecules by using U(2) algebraic method, *Journal of Molecular Spectroscopy* (ISSN: 0022-2852), **269**, 119 (2011). Impact Factor: 1.164
88. Plane symmetric string cosmological models in self creation theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **325**, 59 (2010). Impact Factor: 2.263
89. Axially symmetric string cosmological models in a scalar tensor theory based on Lyra manifold, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **319**, 161 (2009). Impact Factor: 2.263
90. Axially symmetric string cosmological models in Brans-Dicke theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **323**, 401 (2009). Impact Factor: 2.263
91. On Axially symmetric Domain walls and cosmic strings in Bi metric theory of gravitation, *International Journal of Theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575) **47**, 1594 (2008). Impact Factor: 1.184
92. Exact Bianchi type-II, VIII and IX string cosmological model in Saez-Ballester theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **314**, 73 (2008). Impact Factor: 2.263
93. Bianchi type-V cosmological model with perfect fluid using negative constant deceleration parameter in a scalar-tensor theory based on Lyra manifold, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **314**, 213 (2008). Impact Factor: 2.263
94. An exact Bianchi type-V perfect fluid cosmological model in Brans Dicke theory of gravitation. *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **315**, 211 (2008). Impact Factor: 2.263

95. Exact Bianchi type II, VIII and IX perfect fluid cosmological models in Saez- Ballester theory of gravitation. *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **317**, 27(2008). Impact Factor: 2.263
96. Bianchi type-I string cosmological models in Bimetric theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **317**,79 (2008). Impact Factor: 2.263
97. Exact Bianchi type II, VIII and IX string cosmological models in general relativity & self-creation theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **317**, 83 (2008). Impact Factor: 2.263
98. Bianchi type-V anisotropic cosmological models in certain theories of gravitation with perfect fluid distribution. *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **317**, 89 (2008). Impact Factor: 2.263
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102. Axially symmetric cosmic strings in a scalar-tensor theory, *Astrophysics and space science Journal* (Print ISSN: 0020-7748, Online ISSN: 1572-9575), **306**, 185 (2006). Impact Factor: 2.263
103. Bianchi type VIII & IX models Dunn's scalar tensor theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **172**, 77 (1992). Impact Factor: 2.263
104. Exact Bianchi type VIII & IX models in the presence of the self creation theory of Gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **189**, 39 (1992). Impact Factor: 2.263

105. Bianchi type – VIII & IX models in zero-mass scalar fields, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **187**, 113 (1992).
Impact Factor: 2.263
106. Vacuum Bianchi type-III cosmological model in Ross & Dunn theories of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **175**, 241 (1991).
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108. Bianchi type-II & III models in self creation cosmology, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X) **170**, 147 (1991). Impact Factor: 2.263
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Conferences Conducted:

- Organizing Secretary, National Conference "NSRAM - 2004" at Andhra University, Visakhapatnam.
- Organizing Secretary, National Conference "National Seminar on Recent Trends in Applied Mathematics (NSRTAM) - 2010" at Andhra University, Visakhapatnam.
- Organizing Secretary, National Conference "National Seminar on Emerging Trends in Applied Mathematics (NSETAM) - 2014" at Andhra University, Visakhapatnam.

Book Published:

- M.Sc., Applied Mathematics Study material, Chapter on Tensor Calculus, Integral Equations. Dr. B.R. Ambedkar Open University Co-authored by Prof. A.Sitapathi (Andhra University), Prof. K.Rammohan Rao (Andhra University) in 2012.

Research Projects:

- Energy Extraction from Black Holes, Funding Agency: DST, Starting Date: 08-10-1988, Ending Date: 08-10-1989.

Professional Body Memberships:

- Life Member-IAGRG

Reviewer:

- ISRN Astronomy and Astrophysics
- Canadian Journal of Physics
- International Journal of Theoretical Physics
- Journal of Astrophysics and Space Science
- The African Review of Physics
- ISRN Mathematical Physics

Community Service:

- Donated Rs.1.00 lakh to Andhra Pradesh New Capital Development Fund.
- District Governor (2000-01) - Dist. 324 C1, Lions Clubs International.
- Managing Trustee for more than 10 years for Lions Cancer Hospital, Visakhapatnam and developed from 45 bedded to 100 bedded hospital and presently serving as Trustee.
- Founder Chairman, Lions Eye Hospital, Jaggampeta.
- Founder Chairman, Lions District Service Foundation.
- Trustee, Lions Old Age Home, Visakhapatnam.
- Founder Chairman, Applied Mathematics Foundation.
- Organized many Blood Donation Camps, Health Camps, Cancer Awareness and Detection Camps, Leadership Seminars in different capacities under Lions Clubs International during 1987-2003 and personally donated blood for more than 25 times.
- Received Lions International President's Certificate of Appreciation for the services rendered as District Governor during 2000-2001.
- Recipient of prestigious International President's Medal during 2000-2001
- Recipient of prestigious International Leadership Medal during 1999-2000.
