

# **BIO-DATA**

## **UMA MAHESWARA RAO VELAGAPUDI**

**Former Registrar, Andhra University  
Professor, Dept. of Applied Mathematics  
Andhra University, Visakhapatnam  
Andhra Pradesh, INDIA.  
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## **Educational Qualification**

### **Doctoral Details**

- ✦ Received Ph.D. for work on "*Certain Investigations in Scalar-Tensor Theories of Gravitation*" under PROF. D.R.K. REDDY (ANDHRA UNIVERSITY) Awarded on 02-02-1982 within two and half years.

### **Post Graduate**

- ✦ 1978- M.Sc. Applied Mathematics, Andhra University.
- ✦ 1980 - PGDAS, Andhra University

### **Under Graduate**

- ✦ 1976- B.Sc., Andhra University
- ✦ 1973- Intermediate, ANR College, Gudivada.

## **Professional Experience**

- ✦ Professor, Andhra University from 31-12-1998 to 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 and Awards**

### **Awards**

- ✦ Fellow, Andhra Pradesh Akademi of Sciences, 2016
- ✦ Young scientist award by DST, 1988.

### Scholarships

- ✚ Junior Research Fellowship by CSIR, 1979.
- ✚ Senior Research Fellowship by CSIR, 1981.
- ✚ Post Doctoral Fellowship by CSIR, 1982.
- ✚ Research Associate by CSIR, 1983.
- ✚ State Merit Scholarship by Andhra Government, 1988.

### Administrative Experience

Post	Organization / University	Duration	
		From (Date)	To (Date)
Registrar	Andhra University, Visakhapatnam	Oct., 2012	Feb., 2013
		Feb., 2015	July, 2018
Head of the Department	Dept. of Applied Mathematics, Andhra University	July, 2009	April, 2012
Chairman, Board of Studies	Dept. of Applied Mathematics, Andhra University	Jan., 2013	Feb., 2016
Member of Board of Studies	Dept. of Applied Mathematics, Andhra University	July, 1998	Till date
	Sri Padmavati Mahila Visvavidyalayam, Tirupathi	July, 2008	June, 2011
	St. Joseph College for Women, Visakhapatnam	July, 2010	June, 2013
Secretary, Academic Senate	Andhra University, Visakhapatnam	Oct., 2012	Feb., 2013
		Feb., 2015	July, 2018
Member of Governing Body	Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada	July, 2009	June, 2012
	VSM College, Ramachandrapuram	July, 2009	June, 2012
	Siddardha P.G. and Degree College, Vijayawada	July, 2014	Till date
	SKBR Degree College, Amalapuram	Feb., 1999	June, 2010
Secretary, Executive Council	Andhra University, Visakhapatnam	Oct., 2012	Feb., 2013
		Feb., 2015	July, 2018

## **Research Contribution**

(a) No. of students awarded/ Submitted M.Phil./Ph.D.	:	Ph.D. - 16 M.Phil. -12
(b) Research Papers Published	:	156 (List enclosed) (National and International)
Total Impact Factor	:	142.8
Total Citations	:	1265
H-index	:	21
i10-index	:	39

During 2015-2018 as a Registrar published 72 research papers in reputed International journals.

(c) Research Projects	:	Completed one Research Project of DST, New Delhi entitled 'Energy Extraction from Black Holes'.
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## **Academic Guidance**

### **Ph. D. Theses**

1. "Some Anisotropic Homogeneous Cosmological Models in New Theories of Gravitation", K. Shanthi, AWARDED, 1993.
2. "Control of Flow Separation around bluff bodies using electromagnetic forces", T.V.R. Ravi Kumar, AWARDED, 2007.
3. "Some exact cosmological models of the Universe in certain scalar-tensor and other theories of gravitation", R. Lakshun Naidu, AWARDED, 2008.
4. "Some exact cosmological models in certain theories of gravitation", T.Vinutha, AWARDED, 2010.
5. "Binachi type-II, VIII & IX cosmological models in certain theories of gravitation", M.Vijaya Santhi, AWARDED, 2012.
6. "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 .
7. "Some cosmological models in alternative theories of gravitation", G. Sridevi Kumari, AWARDED, 2013.
  8. "Certain investigations in alternative theories of gravitation", K.V.S. Sireesha, AWARDED, 2014.
  9. "Study on some cosmological models with various matter distributions in certain modified theories of gravitation", D. Neelima, AWARDED, 2014 .
  10. "Study of Bianchi Space Times in Different Theories of Gravitation", B. Jagan Mohan Rao, AWARDED, 2015.
  11. "Study of some cosmological models in certain alternative theories of gravitation", D.Ch.PapaRao, AWARDED, 2015.
  12. "Investigation of spatially homogeneous and anisotropic cosmological models of the universe in certain modified theories of gravitation", L. Jaya Sudha, AWARDED, 2016.
  13. "Theories of gravitation: Certain ramifications", G. Suryanarayana, AWARDED, 2016.
  14. "Analysis of Vibrational Spectra of Polyatomic molecules using the Lie algebraic method", J. Vijaya Sekhar, AWARDED, 2016.
  15. "Some cosmological models in modified theories of gravitation", M. Kiran, AWARDED, 2017.
  16. "Study of some dark energy and string models in certain alternative theories of gravitation", U.Y.Divya Prasanthi, AWARDED, 2018.

### **M.Phil. Dissertations**

1. "Exact Bianchi type VIII and IX models in zero mass scalar fields and self-creation cosmology ", Y.V.S.S.Sanyasi Raju, AWARDED, 1990.
2. "Some problems in scalar-tensor theory of gravitation", V.Venkateswara Rao, AWARDED, 1994.
3. "Some Bianchi type string cosmological models in self-creation theory of gravitation", Pavan Kumar, AWARDED, 2005.
4. "Some aspects of string cosmological models", Bharathi, AWARDED, 2005.

5. "Some Investigations in scalar-tensor theory of gravitation", G.Sridevi Kumari, AWARDED, 2006.
6. "Some exact cosmological models in certain theories of gravitation", M.Vijaya Santhi, AWARDED, 2007.
7. "Plane Symmetric and Kantowski-Sachs string cosmological models in Bimetric theory of gravitation", G.Suryanarayana, AWARDED, 2009.
8. "Some Bianchi type-III investigations in Bimetric theory of gravitation", M. Nagamani, AWARDED, 2012.
9. "Bianchi cosmological models in some theories of gravitation", P.Suneetha, AWARDED, 2013.
10. "Dark Energy cosmological models in some scalar-tensor theories of gravitation", B. Lakshman Rao, AWARDED, 2013.
11. "Kantowski-Sachs cosmological models in some theories of gravitation", U.Y.Divya Prasanthi, AWARDED, 2015.
12. "Bianchi dark energy cosmological models in some scalar tensor theories of gravitation", K. Deniel Raju, AWARDED, 2016.

### **Conferences Attended**

National-10

International-02

### **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.

## **Books 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.
- ✚ Applications of Lie Algebraic Method in vibrational spectra of molecules, Research India Publications, India. ISBN No. 978-93-87374-20-1.

## **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- Indian Association for General Relativity and Gravitation (IAGRG).
- ✚ Fellow of AP Academy of Sciences.

## **Reviewer for**

- ✚ ISRN Astronomy and Astrophysics
- ✚ Karbala International Journal of Modern Science
- ✚ Astrophysics and Space Sciences
- ✚ The European Physics Journal Plus
- ✚ Chinese Journal of Physics
- ✚ 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**

- ✚ District Governor (2000-01) - Lions Clubs International and the only person among the teaching faculty from Andhra University attained this highest position in a largest International service organization.

- ✚ Organized many Blood Donation Camps, Health Camps, Cancer Awareness and Detection Camps, Leadership Seminars in different capacities under Lions Clubs during 1987-2003 and personally donated blood for more than 25 times.
- ✚ Managing Trustee, Lions Cancer Hospital-Visakhapatnam for more than 10 years and developed it from 45 bedded to 100 bedded hospital. At present serving as a Trustee. Also donated Rs.1.00 lakh to the development of Lions Cancer Hospital-Visakhapatnam.
- ✚ Founder Chairman, Lions Eye Hospital, Jaggampeta, East Godawari Dist.
- ✚ Founder Chairman, Lions District Service Foundation.
- ✚ Trustee, Lions Old Age Home, Visakhapatnam.
- ✚ Donated Rs.1.00 lakh to Andhra Pradesh New Capital Development Fund.
- ✚ 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.

### **AFTER TAKING CHARGE AS A REGISTRAR OF ANDHRA UNIVERSITY**

**(FEB-2015 TO JULY-2018)**

- ✚ The entire Campus of 450 acres is brought back to good greenery and all infrastructure was put in place after the devastated damage caused by the HUDHUD cyclone by personally supervising each and every activity.
- ✚ Responsible for achieving NAAC 'A' Grade with 3.60 out of four point scale in the third cycle and stood second highest among the State Universities in India.
- ✚ Initiated the process of entering into National and International Rankings like NIRF, Q.S. and THE.
- ✚ Instrumental in getting RUSA funds of Rs. 120 crores.

- ✦ Instrumental in initiating various academic reforms in the University. Concentrated on improving the physical infrastructure.
- ✦ Instrumental in getting an Innovation Centre for promoting incubation and innovation activities among the students.
- ✦ Instrumental in constructing A.U. Convention Centre with a cost of Rs.15.00 crores.
- ✦ Increased the International Students participation.
- ✦ Instrumental in initiating A.U. Defence Joint Education Programme under which many defence personnel getting trained in specialized skills so that they can get better employment after relinquishing their defence duties.
- ✦ Instrumental in automating all the departments of the University towards paperless office.
- ✦ Participated as a chief guest for more than 1000 official as well as community activities and delivered key note addresses in the functions organized by different Universities/Institutions/Organisations from Srikakulam to West Godavari Districts.



## LIST OF PUBLICATIONS

### Journal Publications:

<b>Total number of research papers published in various reputed International Journals</b>	<b>:</b>	<b>156</b>
<b>Total Impact Factor</b>	<b>:</b>	<b>142.8</b>
<b>Total Citations</b>	<b>:</b>	<b>1265</b>
<b>H-index</b>	<b>:</b>	<b>21</b>
<b>i10-index</b>	<b>:</b>	<b>39</b>

1. Dark energy cosmological models with cosmic string, *Astrophysics and Space Sciences*, (Print ISSN 0004-640X, Online ISSN 1572-946X), DOI: 10.1007/s10509-018-3409-8 (2018). Impact Factor: 1.678.
2. Bianchi type-III holographic dark energy model with quintessence, *International Journal of geometrical methods in modern physics*, (ISSN 0219-8878) DOI: 10.1142/S021988781850161X (2018). Impact Factor: 1.068
3. Plane symmetric modified holographic Ricci dark energy model in Saez-Ballester theory of gravitation, *Results in Physics*,(ISSN 2211-3797) 10, 469-475 (2018). Impact Factor: 2.147
4. Two-fluid Scenario for Bianchi Type-II, VIII & IX Dark Energy Cosmological Models in Brans-Dicke Theory, *The African Review of Physics* (ISSN: 2223-6589), 12, 0016 (2018).
5. Kaluza-Klein Holographic Cosmological Model in Brans-Dicke Theory of Gravitation, *International Journal of Pure and Applied Mathematics*, (ISSN 1314-3395) 117(13), 383-393 (2017). Impact Factor: 0.62.
6. Magnetized Modified Holographic Ricci Dark Energy Cosmological Model in Saez-Ballester Theory of Gravitation, *Prespacetime Journal*, (ISSN 2153-8301) 9(2), 123 – 136 (2018).
7. Bianchi Type-III Generalized Ghost Pilgrim Dark Energy Model in a Scalar Tensor Theory of Gravitation, *Prespacetime Journal*, (ISSN 2153-8301) 9(1), 16-30 (2018).
8. Kaluza-Klien Generalized Ghost Dark Energy Model in a Scalar-Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 8, 1122-1133 (2017).
9. Bulk viscous string cosmological models in f(R) gravity, *Canadian Journal of Physics* (ISSN: 0008-4204) *Canadian Journal of Physics*, 96(1): 55-61 (2018). Impact Factor: 0.964

10. Plane Symmetric String Cosmological Models in Bimetric theory of Gravitation, *International Journal of Advanced Research Trends in Engineering and Technology(IJRTET)* (ISSN 2395 -0072) 4, 123-128 (2017).
11. Bianchi type-IX scalar field cosmological model in  $f(R; T)$  theory of gravity, *Bulletin of Mathematics and Statistics Research* (ISSN: 2348-0580) 5(S1), 123-129 (2017).
12. Bianchi Type-II Modified Holographic Ricci Dark Energy Model in Saez-Ballester Theory of Gravitation: *Bulletin of Mathematics and Statistical Research* (ISSN: 2348-0580), 5(S1), 139-146 (2017).
13. LRS Bianchi Type-I Generalized Ghost Pilgrim Dark Energy Model in Saez-Ballester Theory with Linearly Varying Deceleration Parameter, *Bulletin of Mathematics and Statistical Research* (ISSN: 2348-0580) 5(S1), 56-59 (2017).
14. LRS Bianchi type-I Generalized ghost pilgrim dark energy model in Brans-Dicke theory of gravitation, *Bulletin of Mathematics and Statistical Research* (ISSN: 2348-0580) 5(S1), 72-78 (2017).
15. Bianchi Type-II Oscillating String Cosmological Model in  $f(R; T)$  Gravity, *Prespacetime Journal* (ISSN: 2153-8301), 8, 451-458 (2017).
16. Bianchi type-VI<sub>0</sub> modified holographic Ricci dark energy model in a scalar-tensor theory, *Canadian journal of physics* (ISSN: 0008-4204) 95(4), 381-392 (2017). Impact Factor: 0.964.
17. Kantowski-Sachs scalar field cosmological models in a modified theory of gravity, *Canadian journal of physics* (ISSN: 0008-4204) 95(2), 136-144 (2017). Impact Factor: 0.964.
18. Anisotropic magnetized holographic Ricci dark energy cosmological models, *Canadian journal of physics* (ISSN: 0008-4204) 95(4), 381-392 (2017). Impact Factor: 0.964.
19. Bianchi type-I and -III modified holographic Ricci Dark energy models in Saez-Ballester theory, *European Physical Journal Plus* (ISSN 2190-5444), 132, 64 (2017). Impact factor 1.541.
20. Bianchi type-V modified holographic Ricci dark energy model in self creation theory of gravitation, *Canadian journal of physics* (ISSN: 0008-4204) 95(6), 554-558 (2017). Impact factor 0.964
21. Kaluza-Klein cosmological models with two fluids source in Brans-Dicke theory of gravitation, *The African Review of Physics* (ISSN 2223-6589), 11, 0029 (2016).
22. Bianchi type-II, VIII and IX interacting holographic generalized Chaplygin gas cosmological models in a scalar tensor theory, *The African Review of Physics* (ISSN 2223-6589), 11, 0027 (2016).

23. Non-Static Plane Symmetric Two-Fluid Cosmological Models in Einstein's Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 7, 1912-1919 (2016).
24. Holographic dark energy model with generalized Chaplygin gas in a scalar-tensor theory of gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 7, 1939-1949 (2016).
25. Bianchi Type - V Two Fluid Dark Energy Cosmological Models in Saez - Ballester Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 7, 1974-1987 (2016).
26. Kantowski-Sachs models with domain walls in f(R,T) theory of gravity, *Prespacetime Journal* (ISSN: 2153-8301), 7, 1920-1926 (2016).
27. Anisotropic generalized ghost pilgrim dark energy model in general relativity, *International Journal of theoretical Physics* (Print ISSN: 0020-7748, Online ISSN: 1572-9575) , 56, 362-371 (2016). Impact Factor: 1.041
28. Axially Symmetric Holographic Dark Energy model with generalized Chaplygin gas in Brans-Dicke Theory of Gravitation, *Canadian journal of physics* (ISSN: 0008-4204), 94, 1331-1337 (2016) Impact Factor: 0.964.
29. Bianchi type- VI0 generalized ghost pilgrim dark energy model in Brans-Dicke theory of gravitation, *Canadian journal of physics* ISSN: 0008-4204), 94, 1040-1044 (2016) Impact Factor: 0.964.
30. Variable Modified Chaplygin Gas Cosmological Model in a Scalar Tensor Theory of Gravitation, accepted for *International journal of Pure and Applied Mathematics*. Impact factor: 0.324.
31. Anisotropic Modified Holographic Ricci Dark Energy Model in Saez-Ballester Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 7, 1379-1385 (2016).
32. 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).
33. 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).
34. Bianchi Tilted Cosmological Models in Lyra Manifold in *The African Review of Physics* (ISSN 2223-6589), 11, 0005 (2016).
35. LRS Bianchi type-V Universe with Variable Modified Chaplygin Gas in a Scalar Tensor Theory of Gravitation, *Canadian journal of physics* ISSN: 0008-4204, 95, 578 (2016) Impact Factor: 0.964.

36. Kantowski-Sachs holographic cosmological model in Saez-Ballester theory of gravitation in *Prespacetime Journal* (ISSN: 2153-8301), 7, 783-791 (2016).
37. 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
38. 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).
39. Spherically Symmetric Universe with Holographic Dark Energy & Generalized Chaplygin Gas in *Prespacetime Journal* (ISSN: 2153-8301), 7, 537-546, (2016).
40. 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).
41. Higher Dimensional FRW Perfect Fluid Cosmological Models in  $f(R, T)$  Gravity in *Prespacetime Journal* (ISSN: 2153-8301), 7, 562-583, (2016).
42. 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.
43. Kantowski-Sachs holographic dark energy in Brans-Dicke theory of gravitation in *African Review of Physics* (ISSN 2223-6589), 11: 0001 (2016).
44. Bianchi type-II, VIII and IX cosmological models in a modified theory of gravity with variable  $\Lambda$ , *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), 361, 56 (2016) Impact Factor: 2.263.
45. 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).
46. 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).
47. 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).
48. 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

49. 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
50. 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
51. 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
52. 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
53. Kantowski-Sachs Bulk Viscous String Cosmological Models in  $f(R, T)$  Theory of Gravity, *Prespacetime Journal* (ISSN: 2153-8301), 6, 521, (2015)
54. Bulk Viscous String Cosmological Models in Lyra Geometry, *Prespacetime Journal* (ISSN: 2153-8301), 6, 540, (2015)
55. Five-Dimensional Cosmological Model with Quadratic Equation of State in a Scalar-Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6, 787-793 (2015).
56. Five-Dimensional Stiff Fluid Cosmological Model in  $f(R, T)$  Gravity with  $\Lambda(t)$ , *Prespacetime Journal* (ISSN: 2153-8301), 6, 794-800 (2015).
57. FRW Closed Bulk Viscous Cosmological Model in General Scalar Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6, 531 (2015).
58. Five-dimensional Bulk Viscous Cosmological Model with Wet Dark Fluid in Saez-Ballester Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6, 226 (2015).
59. 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, 76 (2015) Impact Factor: 2.263
60. Bianchi type-VI<sub>0</sub> anisotropic dark energy model in Brans-Dicke theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), 358, 38 (2015) Impact Factor: 2.263
61. 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

62. Five dimensional spherically symmetric cosmological model in Brans-Dicke theory of gravitation, *Astrophysics and space science Journal* (Print ISSN 0004-640X, Online ISSN 1572-946X), 358, 29 (2015) Impact Factor: 2.263
63. 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
64. 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
65. Five Dimensional FRW Radiating Models in Brans-Dicke Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6,596 (2015).
66. Dark energy cosmological models in general scalar tensor theory of gravitation, *African review of physics* (ISSN 2223-6589), 10,12 (2015)
67. Kantowski-Sachs cosmological model in f(R,T) theory of gravity, *African review of physics* (ISSN 2223-6589), 10,139(2015)
68. Bianchi type – III,V, & VI<sub>0</sub> Universes in f(R,T) gravity, *African review of physics* (ISSN 2223-6589), 10,121 (2015)
69. A tilted cosmological model in Brans-Dicke theory of gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6, 777 (2015)
70. Anisotropic Bianchi Type-VI<sub>h</sub> Perfect Fluid Cosmological Models in a Modified Theory of Gravity, *Prespacetime Journal* (ISSN: 2153-8301), 6, 947 (2015)
71. FRW Holographic Dark Energy Cosmological Model in BransDicke Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301), 6, 961 (2015)
72. 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
73. Perfect fluid cosmological models in a modified theory of gravity, *European Physical Journal Plus*, (ISSN 2190-5444) 129 , 17 (2014). Impact Factor: 1.377

74. 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
75. Cosmological models with strange quark matter attached to string cloud in self-creation theory *African review of physics* (ISSN 2223-6589), 2,04 (2014).
76. A New class of Bulk-Viscous cosmological models in a modified theory of gravity, *Prespacetime Journal* (ISSN: 2153-8301), 5, 521 (2014).
77. Bulk-Viscous cosmological models Coupled with a Scalar field in Einstein Theory of Gravitation *Prespacetime Journal* (ISSN: 2153-8301), 5,758 (2014).
78. Bulk-Viscous Bianchi Universe Coupled with zero mass Scalar field in General relativity *Prespacetime Journal* (ISSN: 2153-8301), 5,772 (2014).
79. 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
80. Strange quark matter attached to string cloud in general scalar tensor theory of gravitation, *Iranian Journal of physics* (ISSN: 1682-6957), 14, 35 (2014).
81. Kantowski-Sachs Dark Energy Cosmological Model in General Scalar Tensor Theory of Gravitation, *Prespacetime Journal* (ISSN: 2153-8301) , 5,1009 (2014)
82. Higher dimensional perfect fluid cosmological models in  $f(R,T)$  gravity, *Prespacetime Journal* (ISSN: 2153-8301) , 5,1389 (2014)
83. 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
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