



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

RESEARCH JOURNAL PUBLICATIONS

2019

1. S.Sunitha Devi, I.V.Venkateswara Rao and **K. L. Sai Prasad**, On a class of SP-Kenmotsu manifolds admitting Quarter-Symmetric metric connection, Far East Journal of Mathematical Sciences, 2019. ISSN: 0972-0871.
2. T.Tatarchuk, M. Bououdina, B. Al-Najar, **B. Rajesh Babu**, Green and Ecofriendly Materials for the Remediation of Inorganic and Organic Pollutants in Water. In: Naushad M. (eds) A New Generation Material Graphene: Applications in Water Technology. Springer, Cham, pp. 69-110, 2019. ISSN: 978-3-319-75483-369-110.
3. **S.Rajeshwari**, Identity Crisis: a search of self, Journal of Research in Humanities and Social Science, 7(1), 59-62, 2019. ISSN: 2321-9467 (online).

2018

4. Harikrishna P, **G.Sudheer** and Y Vasudeva Rao, Free longitudinal vibrations of functionally graded tapered Axial Bars by Pseudo Spectral Method, Journal of Vibroengineering, 20(5), 2137-2150, 2018. ISSN: 1392-8716.
5. S.Suneetha, **K. L. Sai Prasad** and G.V.S.R. Deekshitulu, Ricci pseudo-symmetric para Kenmotsu manifolds, New Trends in Mathematical Sciences, 6(1), 99-105, 2018. ISSN: 2147-5520. (online).
6. **K. L. Sai Prasad** , S.Suneetha, and G.V.S.R. Deekshitulu, On a class of P-Kenmotsu manifolds admitting Weyl-projective curvature tensor of type (1,3), Turkish Journal of Analysis and Number Theory, 6(6):155-158, 2018. ISSN: 2333-1100.
7. K. Rama Rao, **B.Rajeshbabu**, B.KishoreBabu, V.Veeraiah, S.D.Ramaraao, K. Rajasekhar and A.Venkateswara Rao, Composition dependence of structural, magnetic and electrical properties of Co substituted magnesium ferrite, Physica B:Physics of Condensed Matter, 528:18-23, 2018. ISSN: 0921-4526 .
8. **B.RajeshBabu**, TetianaTatarchuk, Elastic properties and antistructural modelling for Nickel-Zinc ferrite-aluminates, Material Chemistry and Physics, 207 :534-541, 2018. ISSN: 0254-0584.
9. E.C. Sekhar, **B. RajeshBabu**, K.V.Ramesh, M. Sreenivasulu, Y. Purushotham, Structural, Magnetic, and Dielectric Properties of Conventional- and Microwave-



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

Sintered Ni_{0.6}Zn_{0.4}-xCu_xFe₂O₄, Journal of Superconductivity and Novel Magnetism, 31 (4): 1199-1207, 2018. ISSN: 1557-1939 .

10. K. Rama Rao, **B.Rajeshbabu**, B.KishoreBabu, V.Veeraiah, S.D.Ramaraao, K. Rajasekhar, A.Venkateswara Rao, Influence of Zn substitution on structural, magnetic and electrical properties of MgFe₂O₄ , Journal of Electronic Materials, 47(5): 2997-3004, 2018. ISSN: 0361-5235.
11. K. Ramaraao, **B. Rajesh Babu**, B. Kishore Babu, V. Veeraiah, K. Rajasekhar, B. Ranjith Kumar and B. SwarnaLatha, Enhancement in magnetic and electrical properties of Ni substituted Mg ferrite, Materials Science-Poland, 36 (4), 644-654, 2018. ISSN 2083-1331.
12. **Ch.Alekya**, T.Ashok, Attitude and Perception of English Language Teachers on Blended Learning Approach, International Journal of Research in Management Studies, 4(2): 76-84, 2018. ISSN: 2321-4864.
13. **Ch.Alekya**, T.Ashok, Implementation of Blended Learning Approach in ELT, International Journal of Management, Marketing and HRD, 3(10): 55-62, 2018. ISSN: 2321-8622.

2017

14. **G.Sudheer**, M. Hemantha lakshmi, Y. Vasudeva Rao, A note on formulas for the Rayleigh wave speed in elastic solids, Ultrasonics, 73: 82-87, 2017.
15. S. Sunitha Devi, **K.L.Sai Prasad**, G.V.S.R. Deekshitulu,Conformal Curvature Tensor on Para-kenmotsu Manifold, Turkish Journal of Analysis and Number Theory, 5(2): 27-30, 2017.
16. T.Satyanayana, **K.L.Sai Prasad** and B.Satyanarayana, On a class of Para-Kenmotsu manifolds, International Journal of Pure and Applied Mathematics, 115(4):827-834, 2017.
17. **A. Kameswara Rao**, Existence and multiple positive solutions to systems of differential equations of fractional order, **TWMS J. Applied and Engineering Mathematics**, 7(2): 291-302, 2017. **P. Srinivasa Rao**, Nageswara Rao Gollapalli, Speciation of Ternary Complexes of Co(II), Ni(II), Cu(II) and Zn(II) with Citric and Succinic Acids in Micellar Medium , Journal of Advanced Chemical Sciences, 3(2): 457–461, 2017.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

18. **A.Kameswara Rao**, Multiple positive solutions to nonlinear boundary value problems of a system for generalized p-Laplacian factional differential equations, International Journal of Pure and Applied Mathematics, 117(3):547-562, 2017.
19. K. RajasekharBabu, M. Purnachandra Rao, P. S. V. Subba Rao, K. Rama Rao, B.KishoreBabu,, **B.Rajeshbabu**, Structural and magnetic properties of Cu²⁺ substituted Co-Zn Ferrite Nano-particles, synthesized by Sol-Gel combustion method, Journal of Inorganic and Organometallic Polymers and Materials, 27(3):612-621, 2017.
20. **B.RajeshBabu**, M S R Prasad, K.V Ramesh, Role of Synthesis on Physical Properties of Ni_{0.5}Zn_{0.5}Fe₂O₄Nanoferrite: A Comparative Study, Journal of Superconductivity and Novel Magnetism, 30(6): 1609–1617, 2017.
21. K. RajasekharBabu, K. Rama Rao, **B. Rajesh Babu**, Cu²⁺ - modified physical properties of Cobalt-Nickel ferrite, Journal of Magnetism and Magnetic materials, 434: 118–125, 2017.
22. K. RajasekharBabu, K. Rama Rao, **B. Rajesh Babu**, Effect of Cu and Cation Redistribution on Structural and Magnetic Properties of Co-Mg Nanoferrite, Journal of Superconductivity and Novel Magnetism, 30(9) : 2621–2630, September 2017.
23. **P. Srinivasa Rao**, Nageswara Rao Gollapalli, Speciation of Ternary Complexes of Co(II), Ni(II), Cu(II) and Zn(II) with Citric and Succinic Acids in Micellar Medium , Journal of Advanced Chemical Sciences, 3(2): 457–461, 2017.
24. **P. Srinivasa Rao**, Nageswara Rao Gollapalli, Micellar impact on Ternary complexes of essential metal ions with selective bio-ligands, International Journal of Scientific Development and Research, 2(5):88-94, 2017.

2016

25. **G. Sudheer**, P. Hari Krishna, Y. Vasudeva Rao, Free vibration analysis of tapered columns under self-weight using pseudospectral method. Journal of Vibroengineering, 18(7): 4583-4591, 2016.
26. S.Suneetha Devi, **K.L.Sai Prasad**, GVSR Deekshitulu, Ricci and projective curvature tensors on a type of para-kenmotsu manifold, International Journal of Pure and Applied Mathematics, 111(2):273-280, 2016.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

27. **A.Kameswara Rao**, K.R.Prasad, **B.Bharathi**, Existence and Non existence of positive solutions for a n-th order three-point boundary value problem, TWMS Journal of Applied and Engineering Mathematics, 6(2): 232-243, 2016.
28. **B.RajeshBabu**, K.V.Ramesh, M.S.R. Prasad, and Y.Purushotham, Structural, Magnetic, and Dielectric properties of $\text{Ni}_{0.5} \text{Zn}_{0.5} \text{Al}_x \text{Fe}_{2-x} \text{O}_4$ Nanoferrites, Journal of Superconductivity and Novel Magnetism, 29(2): 939-950, 2016.
29. **B.RajeshBabu**, M.S.R. Prasad, K.V.Ramesh, and Y.Purushotham, Electrical and Dielectric properties of Non-magnetic Al^{3+} substituted Ni-Zn Nano Ferrites for high frequency applications, Journal of Inorganic and Organometallic Polymers and Materials, 26(2): 589-597, 2016.
30. Gangu Nadu M, **K. Visweswara Rao**, A Study highlights the policies, issues and challenges for the food security in weight to India, International Journal of Multidisciplinary Research and Development, 3(10):40-51, 2016.
31. Gangu Nadu M, **K. Visweswara Rao**, Green Banking practices: A study on environmental strategies of banks with special reference to State Bank of India, International Journal of Commerce and Management, 2(10):59-73, 2016.
32. **B.V.Ramani**, A Soul's exploration for identifying its cultural uniqueness: Gita Mehta's 'A River Sutra', IOSR Journal of Humanities and social science, 21(4):45-50, 2016.
33. **Y.KusumaKumari**, T.Narayana, R.K.Narayan's 'The English Teacher': An autobiographical element, IOSR Journal of Humanities and Social Science, 21(2):29-34, 2016.
34. **S.Rajeshwari**, Quest for Pastoralism in Anti-Pastoral Society, IOSR Journal of Humanities and Social Science, 21(7):60-63, July, 2016.

2015

35. **G.Sudheer, A.Suseelatha**, A Wavelet-nearest neighbor model for short-term load forecasting, Energy Science & Engineering, Wiley, 3(1): 51-59, 2015.
36. **G.Sudheer, A.Suseelatha**, Short term load forecasting using wavelet transform combined with Holt-Winters and Weighted nearest neighbor models, International Journal of Electrical power and Energy systems, 64: 340-46, 2015.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

37. M.S.L.R.Mallika, S.Anand Kumar, **G.Sudheer**, Influence of the interfacial stiffness constants on Lamb wave propagation in a bi-layer, International Journal of Applied Mathematics, 28(6): 789-99, 2015.
38. S.S.V.D. Prakash V, **G.Sudheer**, A study of different wavelets in filtering of load signals, Far East Journal of Applied Mathematics, 92: 191-201, 2015.
39. **K.L Sai Prasad**, T.Satyanarayana, On a semi-symmetric Para Kenmotsu Manifolds, International Journal of Mathematical Sciences & Engineering Applications, Turkish Journal of Analysis & Number Theory, 3(6): 145-148, 2015.
40. **K.L Sai Prasad**, T.Satyanarayana, On a Type of Para Kenmotsu Manifold, International Journal of Mathematical Sciences & Engineering Applications, 9(1): 283-91, 2015.
41. **K.L Sai Prasad**, T.Satyanarayana, On Para- KenmotsuManifoldsSatisfying certain conditions on the curvature tensors, Advanced Applied Science and Research, 6(4):108-113, 2015.
42. **K.L Sai Prasad**, T.Satyanarayana, Some Curvature Properties on a Special ParacontactKenmotsu Manifold with respect to Semi-Symmetric connection, Turkish Journal of Analysis & Number Theory, 3(4): 94-96, 2015.
43. **A.Kameswara Rao**, Existance and iteration of positive solutions to third-order BVP for a class of p-Laplacian dynamic equations on time scales, International Journal of Differential Equations, Article ID: 567209, 2015. doi: <http://dx.doi.org/10.1155/2015/567209>.
44. **A.Kameswar Rao**, Existence of multiple positive solutions for the systems of higher order boundary value problems on time scales, Journal of Applied Mathematics & Informatics, 33(1): 1-12, 2015.
45. M.S.R. Prasad, B.B.V.S.V. Prasad, **B.Rajeshbabu**, , Magnetic, Structural and DC Electrical Resistivity Studies on the divalent Cobalt Substituted Ni-Zn Ferrite System, International Journal Of Modern Physics B, 29: 1550067(20), 2015.
46. M.S.R. Prasad, **B.Rajeshbabu**, K.V.Ramesh, K.Trinath, DC electrical resistivity studies and structure of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Cr}_x\text{Fe}_{2-x}\text{O}_4$ Nanoferrites, International Journal of Modern Physics B, 16:1550101(16), 2015.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

47. D.Venkatesh, M.S.R. Prasad, **B.Rajeshbabu**, K.V.Ramesh, K.Trinath, Effect of Sintering Temperature on the Micro Strain and Magnetic Properties of Ni-Zn Nanoferrites, Journal Of Magnetics, 20(3): 229-40, 2015.
48. M.S.R. Prasad, **B.Rajeshbabu**, K.V.Ramesh, K.Trinath, Effect of Cr³⁺ substitution on structural, magnetic and dielectric properties of nanocrystalline Ni_{0.5}Zn_{0.5}Cr_xFe_{2-x}O₄ ferrite system, NANO-Brief Reports and Reviews, 10(7):1550099(12), 2015.
49. M.S.R. Prasad, K.V.Ramesh, **B.Rajeshbabu**, K.Trinath, DC electrical resistivity and dielectric properties of Ni-Zn nanoferrite synthesized via autocombustion route, Indian Journal of Physics, DOI 10.1007/s12648-015-0773-x, 2015.
50. **B.Rajeshbabu**, K.V.Ramesh, M.S.R. Prasad, Y.Purushotham, Study of microstructure and augmentation of DC electrical resistivity due to Al³⁺ substitution in Ni-Zn nano ferrite system synthesized via auto combustion, Modern Physics Letters B, 29(24):1550151(16), 2015.
51. **B.Rajeshbabu**, M.S.R. Prasad, K.V.Ramesh, Effect on structural and magnetic properties of Non-magnetic Al³⁺ substituted Ni-Zn Nano Ferrites for high frequency applications”, International Journal of Modern Physics B, 29(06): 1550032, 2015.
52. **B.V.Ramani**, T.Narayana, Metaphysics and indian scriptures in gitamehta’s ‘a river sutra’, International Journal of English: Literature, Language & skills, 4(3): 87-92, 2015.
53. **Ch. Alekya**, Importance of English Language and its Major Components, International Journal of Psychology and Education, 3(3), 2015.

2014

54. **G. Sudheer, A.Suseelatha**, A methodology for short term load forecasting based on wavelet filters, International Journal of Energy and Statistics, 2(3): 169-181, 2014.
55. **K.L.Saiprasad**, T.Satyanarayana, On Para Kenmotsu Manifold, International Journal of Pure and Applied mathematics, 90(1): 35-41, 2014.
56. K R Prasad, **A. Kameswara Rao, B. Bharathi**, Positive Solutions for system of 2n-th order sturm-Liouville boundary value problems on time scales, Proceedings of Indian Academy of sciences, 124(1): 67-79, 2014.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

57. S.Nageswara Rao, K.R. Prasad, **A.Kameswara Rao**, Multiple positive solutions for four point third order boundary value problems on time scales, International Journal of Innovation in Science and Mathematics, 2(1):92-99, 2014.
58. **B.Rajeshbabu**, M.S.R. Prasad, K.V.Ramesh, and Y.Purushotham Structural and Magnetic properties of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Al}_x\text{Fe}_{2-x}\text{O}_4$ nano Ferrite System, Materials Chemistry and Physics, 148: 585-591, 2014.
59. **B.Rajeshbabu**, M.S.R. Prasad, K.V.Ramesh, Effect on Structural and Magnetic properties of Aluminum substituted Ni-Zn Nanoferrite System prepared via Citrate-Gel route, International Journal of Modern Physics B, 29 (6): 1550032 (14), 2014.
60. **B.Rajeshbabu**, B.B.V.S. Prasad, M.S.R. Prasad, Study of Electrical and Magnetic properties of Ni-Zn-Mg Ferrite System, Modern Physics Letters B, 28 (31): 1450244 (10), 2014.
61. M.S.R. Prasad, **B.Rajeshbabu**, K.V.Ramesh, Structural and Magnetic studies on Chromium Substituted Ni-Zn Nano Ferrite Synthesized by Citrate Gel Auto Combustion Method, Journal Of Superconductivity and Novel Magnetism, 27: 2735–2745, 2014.
62. T.Narayana, **B.V.Ramani**, Human Elements In Gita Mehta's 'A River Sutra', The Criterion, 5(1): 161-166, 2014.
63. **Y.KusumaKumari**, Themes in Recent novels of shashideshpande with reference to small remedies moving on and in the country of Deceit, The criterion: Journal in English, 5(5): 187-193, 2014.

2013

64. **A.Suseelatha, G.Sudheer**, Bharathi D, A Simple Hybrid Model for Short- Term Load Forecasting, Journal of Engineering (Hindawi), Article Id: 760860:1-7, 2013. doi:10.1155/2013/760860.
65. T.Satyanarayana, **K L Sai Prasad**, On a Type of Para –Kenmotsu Manifold, Pure Mathematical Sciences, 2(4): 165-70, 2013.
66. S. Nageswara Rao,**A Kameswara Rao**, EigenValue Intervals for Iterative Systems of NonLinear Boundary Problems on Time Scales, Creative Mathematics and Informatics, 22(1): 103-112, 2013.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

67. K. Rajendra Prasad, **A Kameswara Rao**, Positive Solutions for the System of Higher order singular non linear Boundary value problems, Mathematical Communications, 18: 49-60, 2013.
68. S.Nageswara Rao, **A Kameswar Rao**, Eigenvalue Problems for system of Third order four-Point Nonlinear Boundary Value Problems on Time Scales, International Journal of Applied Mathematics and Computation, 5(3): 33-46, 2013.
69. Sumanta Kumar Tripathy, B. Prasad Hota, **V. Siva Jahnavy**, Effect of substrates types on CO gas sensing of SnO₂thin film prepared by Sol-Gel method, Journal of Nano and Electronic Physics, 5(4):04055(6), 2013.
70. Sumanta Kumar Tripathy, R.Prabeena, **V. Siva Jahnavy**, N.V. Prabhakara Rao, T, Tin Oxide Thin Film Synthesized by Sol-Gel and Thermal Evaporation Techniques for Gas Sensors, International Journal of Science and Research, 101-105, 2013.
71. **B.V. Ramani**, Self-Directed Learning and other learning strategies to learn English language, IOSR Jounal of humanities and Social Science, 13(5): 58-60, 2013.
72. **Ch.V.Ramani**, Short Stories: An effective medium to improve language skills, International Journal of English: Literature, Language & Skills, 3(1): 214-220, 2013.
73. Sumanta Kumar Tripathy, B. Nagarjun, **V. Siva Jahnavi**, Optical and structural characteristics of copper doped denoxide thin film prepared by thermal evaporation method, Int. J. of Engineering and Innovative Technology, 3(1): 296:300, 2013.

2012

74. **G.Sudheer**, B.V.S Renuka Devi, A Hybrid Image Cryptosystem Based on OMFLIP Permutation Cipher, Signal & Image Processing: An International Journal, 3(1): 67-74, 2012.
75. K R Prasad, **A.Kameswara Rao**, S. Nageswara Rao, Existence of positive solutions for the system of higher order two-point boundary value problems, Proceeding-Mathematical Sciences, 122(1): 139-152, 2012.
76. **A.Kameswara Rao**, S. Nageswara Rao, Eigenvalues for iterative systems of nonlinear second order boundary value problems on time scales, Bulletin of International Mathematical Virtual Institute, 2(1): 47-57, 2012.



GayatriVidyaParishad College of Engineering for Women

Madhurawada, Visakhapatnam

(Affiliated to JNTUK, Approved by AICTE, New Delhi)

77. **A.Kameswara Rao**, S. Nageswara Rao, Positive solutions for system of three-point nonlinear boundary value problems on time scales, Global Journal of Science Frontier Research, 12(12): 21-34, 2012.
78. **A.Kameswara Rao**, S. Nageswara Rao, Eigenvalue problems for systems of nonlinear boundary value problems on time scales, International Journal of Difference Equations, 7(2): 179-194, 2012.

2011

79. **A.Kameswara Rao**, S. Nageswara Rao, Positive solutions for iterative systems of nonlinear boundary value problems on time scales, Asian-European Journal of Mathematics, 4(1): 95-107, 2011.
80. **A. Kameswara Rao**, S. Nageswara Rao, Positive solutions for higher order two-point boundary value problems, International Journal of Applied Mathematics and Computation, 3 (2): 114-127, 2011.

2010

81. **A.Kameswara Rao**, S. Nageswara Rao, Solvability of n-th order nonlinear eigenvalue problem, International Journal of Applied Mathematics and Computation, 2(4):47-54, 2010.

2009

82. **K.L.Sai Prasad**, Certain classes of almost contact Riemannian manifolds, International Mathematical Forum, 4(16):773-778, 2009.

2008

83. R.Y.Vasudeva, **G.Sudheer**, Anuradha Vema, Dispersion of circumferential waves in cylindrically anisotropic layered pipes in plane strain, The Journal of the Acoustical Society of America 123 (6), 4147-4151, 2008.
84. **K.L.Sai Prasad**, Kenmostu and P-Kenmostufinsler structures and connections on vector bundle, International Mathematical Forum, 3(17): 837-846, 2008.
85. **K.L.Sai Prasad**, Quarter symmetric metric finsler connections, International Mathematical Forum, 3(18): 847-855, 2008.