

List of Research Papers (2014)

1	Sarika Verma, Sushma Gupta and Sukhjot Singh	Differential inequality and starlikeness of double integrals.	Rocky Mountain J. Math. 44(5), 2014):1653-165	0.399
2	D.K.Sharma , J.N.Sharma, S.S.Dhaliwal and V. Walia	Vibration analysis of axisymmetric functionally graded viscothermoelastic sphere.	Acta Mechanica Sinica 30(1) (2014),100-111	
3	Sarika Verma, Sushma Gupta and Sukhjot Singh	Order of convexity of integral transforms and duality.	Acta Univ. Apulensis Math. Inform. 38 (2014): 279-296.	
4	Kapil, Yogesh; Singh, Mandeep	Contractive maps on operator ideals and norm inequalities.	Linear Algebra Appl. 459 (2014), 475–492.	0.973
5	Kaur, Rupinderjit; Moslehian, Mohammad Sal; Singh, Mandeep	Conde, Cristian Further refinements of the Heinz inequality.	Linear Algebra Appl. 447 (2014), 26–37.	0.973
6	Kaur, Rupinderjit; Singh, Mandeep	Another operator version of generalized Bernoulli's inequality.	Linear Multilinear Algebra 62 (2014), no. 8, 1127-1136.	1
7	Pal, Rajinder; Singh, Mandeep; Aujla, Jaspal Singh	Generalized operator version of Bernoulli's inequality.	Linear Multilinear Algebra 62 (2014), no. 2, 267–273.	1
8	Singh, Mandeep	Inequalities involving eigenvalues for difference of operator means.	Electron. J. Linear Algebra 27 (2014), 557–568.	0.42
9	Vinod Mishra and Harpreet Kaur	Haar Wavelet Approach for Solving Nonlinear Differential and Integral Equations.	Neural, Parallel and Scientific Computations (USA) 22(2014), 421-430	0.155
10	Harpreet Kaur, R.C. Mittal and Vinod Mishra,	Haar Wavelet Solutions of Nonlinear Oscillator Equations.	Applied Mathematical Modelling (Elsevier) 38(2014), 4958-4971.	2.158
11	J.R. Sharma and Himani Arora	An efficient family of weighted-Newton methods with optimal eighth order convergence.	Applied Mathematics Letters, 29 (2014) pp. 1-6.	1.659
12	J.R. Sharma and Puneet Gupta	On some efficient techniques for solving systems of nonlinear equations.	Advances in Numerical Analysis.	-
13	J.R. Sharma and Puneet Gupta	On some highly efficient derivative free methods with and without memory for solving nonlinear equations.	International Journal of Computational Methods DOI:0.1142/ S021987621350093X.	1.127
14	J.R. Sharma and Himani Arora	An efficient derivative free iterative method for solving systems of nonlinear equations.	Applicable Analysis and Discrete Mathematics, 7 (2013), pp. 390–403.	0.82
15	J.R. Sharma and Himani Arora	On efficient weighted-Newton methods for solving systems of nonlinear equations.	Applied Mathematics and Computation, , 222, pp. 497-506.	1.738
16	J.R. Sharma, R.K. Guha and Puneet Gupta	Improved King's methods with optimal order of convergence based on rational approximations.	Applied Mathematics Letters, 26, pp. 473-480.	1.659
17	S Arora, VK Kukreja & F Potucek	Analytic solution of bi-parameter axial dispersion model.	Communications in Industrial & Applied Mathematical, doi: 10.1685/journal.caim.458.	0.54
18	IA Ganaie & VK Kukreja	Numerical solution of Burgers equation by cubic Hermite collocation method.	Applied Mathematics & Computation, 237, 571-581.	1.738
19	IA Ganaie, J Rattan, AK Mittal & VK Kukreja	Simulation of packed bed of porous particles using axial dispersion model.	Mathematical Sciences International Research Journal, 3 (1), 134-141.	
20	IA Ganaie, S Arora & VK Kukreja	Cubic Hermite collocation method for solving boundary value problems with Dirichlet, Neumann and Robin conditions.	International Journal of Engineering Mathematics, http://dx.doi.org/10.1155 //365209 .	

21	IA Ganaie, VK Kukreja, N Parumasur, P Singh & F Potucek	Comparative study of axial dispersion model using cubic Hermite collocation method for linear and nonlinear adsorption isotherms.	Cellulose Chemistry & Technology, 48 (7-8), 717-726.	0.833
22	R.K. Mishra	Mathematical modelling approach to predict Athlete time performance.	Universal Jr. of Applied Maths. 2(1): 29-35, 2014.	
23	R.K. Mishra & A.K. Pandey	4D-Space-Time Geometry & Cosmological Constant.	Journal of Advances in Mathematics, (JAM) Vol 7, No.1, March 2014.	
24	Pradhan Anirudh, Pandey, Arunesh Kumar, Mishra, R.K.	Bianchi type-I transit cosmological models with time dependent gravitational and cosmological constant.	Indian Journal of Physics, Volume 88 Number 7(2014) 88:757-765.	1.166
25	Chanchal Chawla, R.K. Mishra, Anirudh Pradhan	A new class of accelerating cosmological models with variable G and Lambda in Saez and Ballester theory of gravitation.	Romanian Journal of Physics, 59, 2014.	1.398
26	A.K.Pandey & R.K.Mishra	Theory of Expanding Universe and F-R space of constant curvature.	Journal of Ultra Scientist of Physical sciences,26(1),13-18, 2014.	