

List of Research Papers (2013)

1	Raj Kumar, Sushma Gupta and Sukhjrit Singh	Convolution properties of a slanted right half plane mappings.	Mathematicki Vesnik, Vol.65, No.2 (2013), 213-221.	
2	Sarika Verma, Sushma Gupta and Sukhjrit Singh	Starlikeness of double integral operator.	Tamsui Oxford J. Math. Sci. 29(3), (2013): 351-359.	
3	Sarika Verma, Sushma Gupta and Sukhjrit Singh	Starlikeness of an integral transform.	Mathematica (Cluj) (Accepted).	
4	J.N.Sharma,D.K.Sharma and S.S.Dhaliwal	Free vibration analysis of a rigidly fixed viscothermoelastic hollow sphere.	Indian J. Pure Appl. Math., 44(5) (2013),559-586.	0.233
5	Kaur, Rupinderjit; Singh, Mandeep	Complete interpolation of matrix versions of Heron and Heinz means.	Math. Inequal. Appl. 16 (2013), no. 1, 93–99.	0.645
6	Harpreet Kaur, R.C. Mittal and Vinod Mishra	Haar Wavelet Approximation Solutions for the Generalized Lane Emden Equations Arising in Astrophysics.	Computer Physics Communications (Elsevier) 184 (2013), 2169-2177.	3.2
7	Harpreet Kaur, R.C. Mittal and Vinod Mishra	A collocation approach with Haar Wavelets to solve Volterra pollution model for population growth of a species.	Mathematical Sciences International research journal, 2 (2013), 2676-2680.	
8	J.R. Sharma and Rajni Sharma	Modified Chebyshev-Halley type method and its variants for computing multiple roots.	Numerical Algorithms, 61, pp. 567-578.	1.366
9	J.R. Sharma, R.K. Guha and Puneet Gupta	Some efficient derivative free methods with memory for solving nonlinear equations.	Applied Mathematics and Computation, 219, pp. 699-707.	1.345
10	J.R. Sharma, R.K. Guha and Rajni Sharma	An efficient fourth order weighted-Newton Method for systems of nonlinear equations.	Numerical Algorithms, 62, pp. 307-323.	1.366
11	J.R. Sharma, R.K.Guha and Rajni Sharma	A unified approach to generate weighted Newton third order methods for solving nonlinear equations.	Journal of Numerical Mathematics and Stochastics, 4, pp. 48-58.	-
12	Puneet Gupta , V.K. Kukreja and J.R. Sharma	On third-order iterative methods To solve non-linear equations by Using rational functions.	Indian J. Industrial Appl. Math., 3(1) pp. 56-63.	-
13	IA Ganaie & VK Kukreja	A novel numerical scheme of cubic Hermite spline collocation method for solving Burgers' equation.	American Institute of Physics Conference Proceedings, 1558, 1196-1199.	
14	IA Ganaie, B Gupta, N Parumasur, P Singh & VK Kukreja	Asymptotic convergence of cubic Hermite collocation method for axial dispersion model.	Applied Mathematics and Computation, 220(1), pp. 560- 567.	1738
15	IA Ganaie, S Arora & VK Kukreja	Modelling and simulation of a packed bed of pulp fibers using mixed collocation method.	International Journal of Differential Equations, doi:10.1155/2013/875298.	
16	J Kumar, IA Ganaie & VK Kukreja	Application of Mathematica software to solve pulp washing model.	ISRN Chemical Engineering, doi:10.1155/2013/76589.	
17	AK Mittal, IA Ganaie, VK Kukreja, N Parumasur & P Singh	Solution of diffusion-dispersion models using a computationally efficient technique of orthogonal collocation on finite elements with cubic Hermite as basis.	Computers & Chemical Engineering, 58, 203-210.	3.024
18	AK Mittal, IA Ganaie, VK Kukreja, N Parumasur & P Singh	Numerical solution of diffusion-dispersion model using orthogonal collocation on finite element with Hermite basis for Robin conditions.	Applied Mathematical Sciences, 7(34), 1663-1673.	
19	Amandeep Kaur, Shelly & V.K. Kukreja	Analytic solution of axial dispersion model using Laplace transform.	Indian J. of Industrial & Applied Mathematics, 4(2), 99-107.	
20	R. K. Mishra and Chanchal Chawla	Anisotropic viscous fluid cosmological models form deceleration to acceleration in string cosmology.	International J. Theoretical Physics, 52(4) (2013).	1.086

21	R. K. Mishra and Chanchal Chawla	Anisotropic Bianchi type-I viscous fluid cosmological models in string cosmology with variable deceleration parameter.	Romanian J Physics, 58(7-8) (2013).	1.398
22	R. K. Mishra and Chanchal Chawla	A Bianchi type -I viscous fluid Cosmological models with variable deceleration parameter.	Romanian J Physics, 58(1-2), (2013).	1.398
23	Arunesh K Pandey, R. K. Mishra and Anirudh Pradhan	Cosmological consequences with time dependant term in Bianchi type-I space time.	ARPJ Science & Technology, 3(9) (2013).	
24	G. Kaur, J. Dhar, R. K. Guha	An adaptive network-based fuzzy inference system for the prediction of stock market: BSE30 and IBOVESPA.	Journal of Combinatorics, Information & System Sciences, 38 (2013), 183-190.	