List of Research Papers (2015)

1	Raj Kumar, Sushma Gupta, Sukhjit Singh and M.Dorff,	On harmonic convolutions involving vertical strip mapping.	Bull. Korean Math. Soc. 52(2015)1:105-123.	0.448
2	Manpreet kaur, Sushma Gupta and Sukhjit Singh	Geometric properties of a class of analytic functions defined by a differential operator.	International Journal of Analysis, Vol. 2015, Article ID 185635, 5 pages.	
3	Vinod Mishra	Linear Indeterminate Analysis: Theory and Applications.	American Reasearch Journal of Mathematics, 1(1)(2015), 16-33.	
4	Vinod Mishra	Progressive series: Development and Applications.	American Reasearch Journal of Mathematics, 1(3)(2015) 34-53.	
5	Vinod Mishra and Dimple Rani	Chebyshev polynomial based numerical inverse Laplace transform solutions of linear Volterra integral and integro-differential equation.	American research journal of Mathematics, 1 (2015) 22-32.	
6	R.C. Mittal, Harpreet Kaur and Vinod Mishra	Haar Wavelet Based Numerical Investigation of Coupled Viscous Burgers Equation.	International Journal of Computer Mathematics 92(2015), 1643-1659.	0.825
7	Vinod Mishra	Progress in the theory of quadratic intermediate analysis.	American research j Mathematics, 1(4)(2015)13-26.	
8	Vinod Mishra and Dimple Rani	Numerical Inverse Laplace transform using Chebyshev polynomial.	WASET, 9(2015), 577-581.	
9	J.R. Sharma and Himani Arora	Efficient Jarratt-like methods for solving systems of nonlinear equations.	Calcolo,51 (2014), pp. 193–210.	1.2
10	J.R. Sharma and Himani Arora	A novel derivative free algorithm with seventh order convergence for solving systems of nonlinear equations.	Numerical Algorithms,67, pp. 917-933.	1.369
11	J.R. Sharma and Himani Arora	Efficient derivative-free numerical methods for solving systems of nonlinear equations.	Computational and Applied Mathematics.	
12	J.R. Sharma and Puneet Gupta	An efficient fifth order method for solving systems of nonlinear equations.	Computers and Mathematics with Applications,67, pp.591-601.	1.398
13	J.R. Sharma and Puneet Gupta	An efficient family of traub-steffensen-type methods for solving systems of nonlinear equations.	Advances in Numerical Analysis,	-
14	J.R. Sharma, Himani Arora and M.S. Petkovic	An efficient derivative free family of fourth order methods for solving systems of nonlinear equations.	Applied Mathematics and Computation, 235, pp. 383-393.	1.738
15	S Arora, IP Kaur, H Kumar, VK Kukreja,	A robust technique of cubic hermite collocation for the solution of complex non linear model.	Journal of King Saud University - Engineering Sciences, 29, 159-165.	
16	IA Ganaie, Shelly Arora & VK Kukreja,	Cubic Hermite collocation solution of Kuramoto-Sivashinsky equation.	International Journal of Computer Maths, 96(1), 223-235.	0.971
17	AK Mittal & VK Kukreja	Convergence of orthogonal collocation on finite elements with Hermite basis method for two dimensional nonlinear models.	International Journal of Mathematical Sciences and Applications, 5(1), January-June, 187-192.	
18	B Gupta & VK Kukreja	Efficient numerical solution of diffusion convection problem of chemical engineering.	Chemical & Process Engineering Research, 31, 70-75.	
19	B Gupta, N Parumasur, P Singh & VK Kukreja	Numerical study of a nonlinear diffusion model for washing of packed bed of cylindrical fibre particles.	Arabian Journal of Science & Engineering, 40(5) 1279-1287.	0.865
20	R.K.Mishra & Avtar Chand	Dark Energy Cosmological Model with Brans-Dicke Theory of Gravity.	IJETMAS Vol.3, ISSN: 2349-4476.	
21	Kaur, G., Dhar, J. and Guha, R.K	A hybrid approach to forecast stock market index.	Int. Jl. of Artificial Intelligence and Soft Computing, Vol. 5, No. 2 (2015) pp. 165-176.	