

## Research Paper Published by the Faculty 2) Dr. Rajratana M. Kamble

Sr. No	Title with page nos.	Journal	ISSN/ ISBN No.	Whether peer Reviewed Impact Factor, if any	No. of Co-authors	Whether you are the main author	Whether Refereed/ other Journal as Notified by the UGC#
1	Extension of Definition of First Order Derivative (First Principle) to Obtain New Definition of Conformable Fractional Derivative,939-942 pages	International Journal of Science and Research (IJSR)	ISSN: 2319-7064	Yes	2	yes	
2	New Generalized Definition of Conformable Fractional Derivative, 7-11 pages	international Journal of Modern Developments in Engineering and Science Volume 1, Issue 3, December 2021	ISSN: 2583-3138	Yes	2	yes	
3	New Forms of Conformable Fractional Derivative Using Backward and Central Difference,4-6 pages	international Journal of Modern Developments in Engineering and Science Volume 1, Issue 3, December 2021	ISSN: 2583-3138	Yes	2	yes	
4	ON SOME EXISTENCE AND UNIQUENESS RESULTS FOR NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS WITH BOUNDARY CONDITIONS	Econophysics, Sociophysics& Other Multidisciplinary Sciences Journal (ESMSJ)	ISSN: 2247 – 2479	Yes	2	yes	UGC care list Group-I

5	NEW EXISTENCE AND UNIQUENESS RESULTS FOR NONLINEAR FRACTIONAL DIFFERENTIAL EQUATIONS WITH COMPOSITE BOUNDARY CONDITIONS	Journal of Technology	ISSN: 1012-3407	Yes	2	yes	
6	Solution of Fractional Order Differential-Difference Equation by Using Laplace Transform Method.	Journal of Harbin Engineering University	ISSN: 1006-7043	yes	2	yes	
7	Exponential Definition of fractional derivative	NOVYI MIR Research Journal	ISSN NO: 0130-7673	yes	2	yes	
8	Laplace Transform And Laplace Decomposition Method For Of Order (A,1) Of Fractional Differential Difference Equations With Interval Conditions Linear And Nonlinear	IOSR Journal of Mathematics (IOSR-JM)	e-ISSN: 2278-0661, p-ISSN: 2278-8727, Volume 21, Issue 1, Ser. 1 (Jan. – Feb. 2025), PP 04-29	Yes	2	Yes	
9	Existence and uniqueness of solutions for exponential fractional differential equations	The Scientific Temper	E-ISSN: 2231-6396, ISSN: 0976-8653, pp 3008-3012	Yes	2	yes	UGC Care List Group-II ,indexed in Web of Science
10	Extended fractional derivative: Some results involving	The Scientific Temper	E-ISSN: 2231-6396, ISSN:	Yes	2	Yes	UGC Care List Group-II

	classical properties and applications		0976-8653,pp 3026-3033				,indexed in Web of Science
11	Existence and Uniqueness of Continuous Solutions for Conformable Fractional Integro-Differential Equations in Cone Metric Spaces	Communications on Applied Nonlinear Analysis	ISSN: 1074-133X Vol 32 No. 9s (2025) pp 1303-1311	Yes	2	yes	UGC Care List Group-II ,indexed in Scopus
12	Numerical Solutions of the SIR Mathematical Model of Computer Viruses Involving Non-linear Fractional Order Differential Equation	European journal of pure and applied mathematics	ISSN: 1307-5543	Yes, 1.03	2	yes	UGC Care List Group-II, Indexed in Scopus and Web of Science
13	Existence and Uniqueness of Solutions for Extended Fractional Differential Equations	International Journal of Modern Developments in Engineering and Science Volume 5, Issue 2, February 2026 www.ijmdes.com   RESAIM Publishing   www.resaim.com	E- ISSN: 2583-3138	Yes	1		
14	Fractional Delay Differential Equation with General Initial Conditions and Difference Order Two	International Journal of Science and Research (IJSR)	ISSN: 2319-7064	Yes	1		
15	Generalization of Mittag-Leffler Function to Represent the	International e-Conference On New Horizons And					

	Series $(1 + x)^{-1}$ and Paper $(1 - x)^{-1}$ this Series Converges for $ x  < 1$ , 547-549 Pages	Multidisciplinary Applications In Science And Technology (ICMA-2021)					
16	New Approach / Definition of Fractional Derivative i.e. Generalization of Comfortable Fractional Derivative, 1014-1021 pages	International e-Conference On New Horizons And Multidisciplinary Applications In Science And Technology (ICMA-2021)					