KPR Institute of Engineering and Technology
DEPARTMENT OF MATHEMATICS

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List of Publications

2022 -2023

S.No	Title of the paper	First Author & Affiliation	Remaining Authors & Affiliation as per the order in papers	Name of the Journal / Conference	Volume No, Issue No Page No Month & Year	Indexing Scopus / SCI / SCIE/ Wosetc	Is it available in Scopus Author Search (Yes/ No)	Online Link of the paper (by clicking this link, paper should opened in online)
1.	On the solutions of fractional integro-differential equations involving Ulam–Hyers–Rassias stability results via ψ-fractional derivative with boundary value conditions	K.Karthikeyan	S. MURUGAPANDIAN & Özgür EGE		(2022) 46: 2500 – 2512	SCIE	Yes	doi:10.55730/1300-0098.3283

2.	Existence Results for Impulsive Fractional Integrodifferential Equations Involving Integral Boundary Conditions	K.Karthikeyan	J. Reunsumrit, P. Karthikeyan, S. Poornima, D. Tamizharasan, & T. Sitthiwirattham	Mathematical Problems in Engineering	Scopus	yes	doi.org/10.1155/2022/6599849	Scopus
3.	Results on controllability and well-posedness of functional abstract second-order differential equations with state-dependent delay	K.Karthikeyan	D. Tamizharasan&Ozgur Ege	Applicable Analysis		SCIE	No	doi.org/10.1080/00036811.2022.2116319
4.	Existence Solutions for Implicit Fractional Relaxation Differential Equations with Impulsive Delay Boundary	"Varaporn Wattanakejorn Mathematics Department, Faculty	anjaiyanKarthikeyann SadhasivamPoornima KulandhaivelKarthikey	Axioms-MDPI		SCIE	Yes	10.3390/axioms11110611

	Conditions	of Science and Technology, SuanDusit University, Bangkok 10300, Thailand	an 3,* and ThaninSitthiwirattham					
5.	Results on Impulsive Fractional Integro-Differential Equations Involving Atangana-Baleanu Derivative	K.Karthikeyan	Ozgur Egeb ; Panjayan Karthikeyanc	FILOMAT	36:13 (2022), 4617–4627	SCIE	Yes	https://www.pmf.ni.ac.rs/filomat-content/2022/36-13/36-13-27-18024.pdf
6.	On Nonlinear Ψ-Caputo Fractional Integro Differential Equations Involving Non-Instantaneous Conditions	Ramasamy Arul	Panjayan Karthikeyan , Kulandhaivel Karthikeyan ,Palanisamy Geetha , Ymnah Alruwaily, Lamya Almagham	Symmetry	2023, 15(1), 5	SCIE	No	https://doi.org/10.3390/sym15010005

			si, and El-sayed El-hady					
7.	Analysis of the far-field behavior of waves in magnetogasdynamic	Anoop Kumar	Aziz Khan , Rajan Arora , Thabet Abdeljawad K. Karthikeyan, Mohamed Houas	AIMS Mathematics	2023, Volume 8, Issue 3: 7329-7345.	SCIE	YES	http://www.aimspress.com/article/doi/10.3934/math.2023369
8.	Existence Results for Abstract Fractional Integro Differential Equations	K. Karthikeyan,	D. Senthil Raja and P. Sundararajan	Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical	**2023, Vol. - 30, Pg. 109-119**	Scopus	No	http://online.watsci.org/abstract_pdf/2023v30/v30n2a-pdf/2.pdf

				Analysis				
9.	Analysis on Controllability Results for Impulsive Neutral Hilfer Fractional Differential Equations with Nonlocal Conditions.	Thitiporn Linitda	Kulandhaivel Karthikeyan, Palanisamy Raja Sekar and Thanin Sitthiwirattham	Mathematics, MDPI	11(5), 1071 February 2023,	SCIE	No	https://www.mdpi.com/2227-7390/11/5/1071
10.	Existence and uniqueness for a coupled system of fractional equations involving Riemann-Liouville and Caputo derivatives with coupled Riemann-Stieltjes integro-multipoint boundary	Ymnah Alruwaily	Lamya Almaghamsi Kulandhaivel Karthikeyan,El-sayed El-hady	AIMS Mathematics	8(5), 10067-10094	Scopus	No	https://www.aimspress.com/article/doi/10.3934/math.2023510

	conditions.							
11.	The Existence of the classical and strong solutions for fractional impulsive semilinear integro differential equations.	D Senthil Raja	P Sundararajan Dimplekumar N. Chalishajar K Karthikeyan	Nonlinear Studies (NS)	30 (1), 2023	Scopus	Yes	http://www.nonlinearstudies.com/index.php/nonlinear/article/view/2881
12.	New Results on Fractional Relaxation Integro Differential Equations with Impulsive Conditions.	Kulandhivel Karthikeyan,	Gobi Selvaraj Murugapandian, Panjayan Karthikeyan, Ozgur Ege	FILOMAT	Vol. 37, Issue 17, March 2023, 5775-5783	SCIE	YES	http://journal.pmf.ni.ac.rs/filomat/index.php/filomat/article/view/19731
13.	On coupled system of Langevin fraction problems with different orders of u- caputo fractional	Kulandhivel Karthikeyan	LamyaAlmaghamsi, El-Sayed El-Hady, Ymnah Alruwaily	fractal and fractional		Q1 / SCIE		

	derivatives.							
14	Quadratic Regression Estimation of Hybridized Nanoliquid Flow Using Galerkin Finite Element Technique Considering Shape of Nano Solid Particles	Wasim Jamshed Capital University of Science and Technology, Pakistan	**Suriya Uma Devi**, Rabha Ibrahim, BasmaSouayeh, RabiaSafdar, Mohamed R Eid	Frontiers in Energy Research	https://doi.org/10.3389/fenrg.2022.996556	SCIE	YES	https://doi.org/10.3389/fenrg.2022.996556
15	Heat transfer enhancement and entropy generation minimization using CNTs suspended nanofluid upon a convectively warmed moving wedge: An optimal case study	Hamza Berrehal, Constantine 1 University,, Algeria	**S Suriya Uma Devi**, M Prakash, G Sowmya, AbdelazizMaougal	Heat Transfer	https://doi.org/10.1002/htj.22638	SCIE	YES	https://doi.org/10.1002/htj.22638
16	Finite Element Methodology of Hybridity Nanofluid Flowing in Diverse Wavy Sides of Penetrable Cylindrical	Fares Redouane University of Relizane, Algeria	WasimJamshe , Mohamed R. Eid, **Suriya Uma Devi S**, Awad Musa, Sayed M.	Micromachines	https://doi.org/10.3390/mi13111905	SCIE	NO	https://doi.org/10.3390/mi13111905

	Chamber under a Parallel Magnetic Field with Entropy Generation Analysis		Eldin, M. Prakash and Imran Ullah					
17	A study of pressure-driven flow in a vertical duct near two current-carrying wires using finite volume technique	KashifAli, Muhammad Nawaz Sharif University of Engineering and Technology, Multan, Pakistan	WasimJamshed, S. Suriya Uma Devi,	Scientific Reports	https://doi.org/10.1038/s41598-022-25756-4	SCIE	No	https://doi.org/10.1038/s41598-022-25756-4
18	Entropy Study of Hybrid (Al2O3–Cu/H2O) Nano-Fluid in a Cylindrical Cavity with Wavy Sides Under the Effect of a Parallel Magnetic Field	Fares Redouane	"S.Suriya Uma Devi		Entropy Study of Hybrid (Al2O3–Cu/H2O) Nano-Fluid in a Cylindrical Cavity with Wavy Sides Under the Effect of a Parallel Magnetic Field	SCI		
19	Numerical Crank-Nicolson methodology	Hanifa Hanif	"S.Suriya Uma Devi	Case Studies	Volume 42, February 2023,	SCIE	No	https://www.sciencedirect.com/science/article/pii/S2214157X2300013

	analysis for hybridity aluminium alloy nanofluid flowing based-water via stretchable horizontal plate with thermal resistive effect			in Thermal Engineering	102707			3
20	Finite element mechanism and quadratic regression of magnetized mixed convective Burgers' nanofluid flow with applying entropy generation along the riga surface	Khalid A. Juhany	S.Suriya Uma Devi KPRIET	International Communications in Heat and Mass Transfer	Volume 142 , March 2023 , 106631	SCIE	Yes	https://www-sciencedirect-com.translate.goog/science/article/abs/pii/S0735193323000209?_x_tr_sl=zh-CN&_x_tr_tl=en&_x_tr_hl=en&_x_tr_pto=sc
21	On the Generalized Liouville–Caputo Type Fractional Differential Equations Supplemented with Katugampola Integral Boundary Conditions	M Awadalla	M Subramanian, K Abuasbeh, M Manigandan	Symmetry	Volume 14Issue 1110.3390/sym14112273	SCIE	Yes	Symmetry | Free Full-Text | On the Generalized Liouville–Caputo Type Fractional Differential Equations Supplemented with Katugampola Integral Boundary Conditions (beds.ac.uk)
22	Existence and Ulam–Hyers Stability Analysis for Coupled Differential	Subramanian Muthiah KPRIET	ShorogAljoudi	Fractal and Fractio	Volume 6Issue 1110.3390/fractalfr	SCIE	Yes	

	Equations of Fractional-Order with Nonlocal Generalized Conditions via Generalized Liouville–Caputo Derivative			nal	act6110629			
23	Existence and Hyers–Ulam stability of solutions for nonlinear three fractional sequential differential equations with nonlocal boundary conditions	Subramanian Muthaiah	M Manigandan, Akbar Zada, T NandhaGopal	International Journal of Nonlinear Sciences and Numerical Simulation	https://doi.org/10.1515/ijnsns-2022-0152	SCIE	Yes	Existence and Hyers–Ulam stability of solutions for nonlinear three fractional sequential differential equations with nonlocal boundary conditions (degruyter.com)
24	Existence and Uniqueness Results for a system of Sequential Fractional Integro-differential Equations And Inclusions with Integral Boundary Conditions	Maniganda n M	Subramania n M,, KPRIET,	AIP Conference Proceedings	https://doi.org/10.1063/5.0108440	Scopus	Yes	Existence and uniqueness results for a system of sequential fractional integro-differential equations and inclusions with integral boundary conditions.: AIP Conference Proceedings: Vol 2516, No 1 (scitation.org)

25	"Existence and HU Stability of Solution for Coupled System of Fractional-Order with Integral Conditions Involving Caputo-Hadamard Derivatives, Hadamard Integrals	"M Awadalla King Faisal University, Saudi Arabia.	M Subramania n, K Abuasbeh, M Manigandan	Journal of Functio n Spaces	Volume 2022 | Article ID 9471590 | https://doi.org/10.1 155/2022/9471590	SCI E	YES	Existence and H-U Stability of Solution for Coupled System of Fractional-Order with Integral Conditions Involving Caputo-Hadamard Derivatives, Hadamard ntegrals (hindawi.com
26	Existence of solutions for Caputo sequential fractional differential equations with integral boundary conditions	Maniganda n M	Subramania n M,, KPRIET,	Internat ional Journal of Nonline ar Analysi s and Applicat ions	10.22075/IJNAA.2 022.26001.3186	ESC I	NO	Existence of solutions for Caputo sequential fractional differential equations with integral boundary conditions (semnan.ac.ir)
27	Existence and Ulam–Hyers Stability Results for a System of Coupled Generalized Liouville–Caputo Fractional Langevin Equations with Multipoint Boundary Conditions	Muath Awadalla	Subramania n M,, KPRIET,	Symme try	https://doi.org/10.3 390/sym15010198	SCI E	No	Symmetry | Free Full-Text | Existence and Ulam–Hyers Stability Results for a System of Coupled Generalized Liouville–Caputo Fractional Langevin Equations with Multipoint Boundary Conditions (mdpi.com)

28	On a System of Coupled Langevin Equations in the Frame of Generalized Liouville–Caputo Fractional Derivatives	HJ AL Salman	Subramania n Muthaiah	Symme try	https://doi.org/10.3 390/sym15010204	SCI E	No	Symmetry | Free Full-Text | On a System of Coupled Langevin Equations in the Frame of Generalized Liouville–Caputo Fractional Derivatives (mdpi.com)
29	Imposed magnetic field impact on vortex generation in the laminar nanofluid flow: A computational approach	Ali, Kashif Muhammad Nawaz Sharif University of Engineering and Technology, Multan, Pakistan	Kashif Alia, M.Prakash Wasim Jamshed RabhaW.Ibr ahim SohailAhma d ZehbaRaiza h	Internat ional Commu nication s in Heat and Mass Transfe r	Volume 139, December 2022, 106469	SCI E	YES	https://www.sciencedirect.com/scie nce/article/pii/S073519332200591 7
30	Post-Pandemic Sector-Based Investment Model Using Generalized Liouville–Caputo Type	Muath Awadalla	Muthaiah Subramania n , Prakash Madheshwa ran and Kinda Abuasbeh	Symme try	Vol. 15, March 2023, 789.	SCI E	No	https://www.mdpi.com/2073-8994/15/4/789
31	Semigroups Generated by Tensor Sum of Generators	S.Meena	S. PANAYAPP AN	Operat ors and Matrice	16, 1, 2022, 29-34	Sco pus	Yes	Ele-Math – Operators and Matrices: Semigroups generated by tensor sum of generators

				s				
32	Non-Darcian Combined Convection of Water Near Its Maximum Density in a Porous Lid-Driven Box with Linearly Heating	S.Sivasangaran	K.Janagi	Lecture Notes in Mechanical Engineering	10.1007/978-981-19-1929-9_10	Scopus	Yes	Non-Darcian Combined Convection of Water Near Its Maximum Density in a Porous Lid-Driven Box with Linearly Heating | SpringerLink
33	Impressions of Casson CuO−TiO2/EGCuO−TiO2/EG Non-Darcian Viscous Dissipative Flow Casson Hybrid Nanofluid Non-Darcian Flow	N.Indumathi	P.Renuka	International Journal of Applied and Computational Mathematics	10.1007/s40819-022-01446-7	Scopus	Yes	mpressions of Casson $$CuO-TiO_{2}/EG$$ Non-Darcian Viscous Dissipative Flow Casson Hybrid Nanofluid Non-Darcian Flow | SpringerLink
34	Dual Stratification on the double diffusive MHD flow of nanofluids with dissipation effects - revised Buongiorno model	P.Suriyakumar	Vishnu Ganesh, S. Suresh kumar , Qasem M. Al-Mdallal	Journal of Nanofluids		WOS, ESCI & Scopus	YES	

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