

List of Publications

2021 - 2022

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.	Analysis of solutions for the boundary value problems of nonlinear fractional integrodifferential equations involving Gronwall's inequality in Banach spaces	Karthikeyan. K	Raja, D. Senthil sundararajan, p.	Journal of applied mathematics & informatics	Volume 40 Issue 1_2 / Pages.305-316 / 2022 / 2734-1194(pISSN) / 2234-8417(eISSN)	SCI	Yes	https://doi.org/10.14317/jami.2022.305
2	Controllability of second-order differential equations with state-dependent	K Karthikeyan	D Tamizharasan, J Nieto, Kottakkar	<i>IMA Journal of Mathematical Control and</i>	Volume 38, Issue 4, December 2021, Pages	SCI	Yes	https://doi.org/10.1093/imamci/dnab027

	delay		an Soopy Nisar	<i>Information</i>	1072–1083			
3	On Nonlinear Ψ -Caputo Fractional Integro Differential Equations Involving Non-Instantaneous Conditions	Ramasamy Arul	Panjayan Karthikeyan, Kulandhavel Karthikeyan, Palanisamy Geetha, Ymnah Alruwaily, Lamya Almaghamsi and El-sayed El-hady	<i>Information</i> MDPI	15(1), 5	SCI	Yes	https://doi.org/10.3390/sym15010005
4	Controllability of nonlocal impulsive functional differential equations with measure of noncompactness in Banach spaces.	Chalishajar,	Dimplekumar N., Kulandhavel Karthikeyan, and Dhachinamoorthi Tamizharasan.	<i>Tatra Mountains Mathematical Publications</i>	79.2 (2021): 59-80.	SCI	Yes	
5	Novel results of weak solutions for fractional	Karthikeyan, K	D. Tamizharasan	<i>Mathematics in Engineering</i>	13.2 (2022)	SCIE	Yes	

	integro-differential equations involving Gronwall inequality in Banach spaces.			, Science & Aerospace (MESA)				
6	Controllability results for fractional integro-differential systems with boundary conditions	Tamizharasani,	K. Karthikeyan	Indian Journal of Pure and Applied Mathematics	52 (2021) 39-45	SCI	Yes	
7	A study of solutions of abstract fractional integro-differential equations.	Karthikeyan, K.	Raja, D. Senthil; Sundararajan, P	Nonlinear Studies	2021, Vol. 28 Issue 2, p575-583. 9p	SCI	Yes	
8	On a nonlinear sequential four-point fractional q-difference equation involving q-integral operators in boundary conditions along	A Boutiara	S Etemad, J Alzabut, A Hussain, M Subramanian, S Rezapour	Advances in Difference Equations	2021 (1), 1-23	SCI	Yes	

	with stability criteria							
9	Existence, uniqueness and stability analysis of a coupled fractional-order differential systems involving Hadamard derivatives and associated with multi-point boundary conditions	M Subramanian	J Alzabut, D Baleanu, ME Samei, A Zada	Advances in Difference Equations	2021 (1), 1-46			
10	Existence results for coupled differential equations of non-integer order with Riemann-Liouville, Erdélyi-Kober integral conditions	D Baleanu,	S Hemalatha, P Duraisamy, P Pandiyan, S Muthaiah	AIMS Mathematics	6 (12), 13004-13023			
11	Existence of solutions for the Caputo-Hadamard fractional differential	S Muthaiah,	D Baleanu, M Murugesan, D Palanisamy	Journal of Physics: Conference Series	1850 (1), 012107	SCIE	Yes	

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	equations and inclusions							
12	On Caputo-Hadamard fractional differential equations with nonlocal Hadamard fractional integral conditions.	M Subramanian	S Muthu, R Sivasamy, TN Gopal	Mathematics in Engineering, Science & Aerospace (MESA)	12 (4)			
13	Existence results for the Hadamard fractional differential equations and inclusions	S Muthaiah,	D Baleanu, A Zada, NG Thangaraj, S Muthukumar	Journal of Physics: Conference Series	1850 (1), 012122	SCI	Yes	
14	Evaluating the unsteady casson nanofluid over a stretching sheet with solar thermal radiation: An optimal case study	W Jamshed, , ... ,	S Suriya Uma Devi, M Goodarzi, M Prakash, KS Nisar	Case Studies in Thermal Engineering	101160			
15	Single phase based study of Ag-Cu/EO Williamson hybrid nanofluid	W Jamshed	S Suriya Uma Devi, KS Nisar	Physica Scripta	96 (6), 065202			

	flow over a stretching surface with shape factor							
16	Features of entropy optimization on viscous second grade nanofluid streamed with thermal radiation: A Tiwari and Das model	W Jamshed	SR Mishra, PK Pattnaik, KS Nisar, SSU Devi, M Prakash	Case Studies in Thermal Engineering	27,101291			
17	A novel case study of thermal and streamline analysis in a grooved enclosure filled with (Ag–MgO/Water) hybrid nanofluid: Galerkin FEM	B Hiba	F Redouane, W Jamshed, CA Saleel, SSU Devi, M Prakash	Case Studies in Thermal Engineering	28, 101372			
18	Comprehensive analysis on copper-iron (II, III)/oxide-engine oil Casson nanofluid flowing and thermal features in	W Jamshed	S Uma Devi S, R Safdar, F Redouane, KS Nisar, MR Eid	Journal of Taibah University for Science	15 (1), 619-636			

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	parabolic trough solar collector							
19	Thermal analysis on Darcy-Forchheimer swirling Casson hybrid nanofluid flow inside parallel plates in parabolic trough solar collector: An application to solar aircraft	F Shahzad	W Jamshed, S Suriya Uma Devi, A Aissa, P Madheshwaran	International Journal of Energy Research				
20	Entropy Amplified Solitary Phase Relative Probe on Engine Oil Based Hybrid Nanofluid	W Jamshed,	SU Devi, M Prakash, SM Hussain, MR Eid, KS Nisar	Chinese Journal of Physics				
21	A brief comparative examination of tangent hyperbolic hybrid nanofluid through a extending surface: numerical Keller-Box	W Jamshed,	M Prakash, S Devi, RW Ibrahim, F Shahzad, KS Nisar	Scientific Reports	11 (1)			

	scheme.							
22	Influence of entropy on Brinkman–Forchheimer model of MHD hybrid nanofluid flowing in enclosure containing rotating cylinder and undulating porous stratum	F Redouane	W Jamshed, SSU Devi, BM Amine, R Safdar, K Al-Farhany	Scientific Reports	11 (1), 24316			
23	Computational analysis of thermal energy distribution of electromagnetic Casson nanofluid across stretched sheet: Shape factor effectiveness of solid-particles	SM Hussain	W Jamshed, V Kumar, V Kumar, KS Nisar, MR Eid, R Safdar	Energy Reports	7, 7460-7477			
24	Irreversibility process characteristics of variant viscosity and conductivity on hybrid nanofluid flow through	SU Devi	F Mabood, W Jamshed, SR Mishra, KS Nisar, PK Pattanaik,	Case Studies in Thermal Engineering	101337			

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	Poiseuille microchannel: A special case study						
25	Galerkin finite element study for mixed convection (TiO ₂ -SiO ₂ /water) hybrid-nanofluidic flow in a triangular aperture heated beneath	F Redouane	W Jamshed, S Suriya Uma Devi, M Prakash, KS Nisar	Scientific reports	11 (1), 22905		
26	Transient rotating nanofluid flow over a Riga plate with gyrotactic micro-organisms, binary chemical reaction and non-Fourier heat flux	B Ali	S Suriya Uma Devi, AK Hussein, S Hussain, RA Naqvi	Chinese Journal of Physics		SCI	Yes



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