S.No.	Author	Co-Authors	Title of the Paper	Journal	Year
1	J. Amutha Praba	Amutha Praba Jayaraj, Kuppuswamy Nallappa Gounder, Jeetendra Rajagopal	Optimizing signal smoothing using HERS algorithm and time fractionaldiffusion equation	Expert Systems With Applications	2024
2	K. Venkatachalam	Y. Alruwaily, K. Venkatachalam, El-S. El-Hady	Some Results on Fractional Boundary Value Problem for Caputo-Hadamard Fractional Impulsive Integro Differential Equation	Fractal and Fractional	2024
3	J. Amutha Praba	J. Amutha Praba , Saran priya,Sanjay Akaram Jadhev	Leveraging the Internet of Things (IOT) for Disaster Management: Enhancing Resilience, Early Warning System in a Globally connected World	IEEE	2024
4	K. Venkatachalam	Y. Alruwaily, K. Venkatachalam El-S. El-hady	Some Results on Fractional Boundary Value for Caputo-Hadamard Fractional Impulsive Integro Differential Equations	Fractal and Fractional	2024
5	K. Venkatachalam	M Sathish Kumar, P Jayakumar	Results on non local impulsive implicit Caputo-Hadamard fractional differential equations	Mathematical Modelling and Control	2024
6	K. Venkatachalam	M Sathish Kumar,	Results on Impulsive ψ-Caputo Fractional Integro-Differential Equations with Boundary Conditions	Bangmod International Journal of Mathematical and Computational Science	2024
7	G. S. Murugapandian	K Karthikeyan,	Cauchy problems for Hilfer fractional impulsive evolution equations on an infinite interval	DCDIS	2024
8	G. S. Murugapandian	Karthikeyan K. Karthikeyan P, Ege O.	New results on fractional relaxation integro differential equations with impulsive conditions	Filomat	2023

9	A. Megala	A. Megala, C. Veeramani	A hybrid incomplete decision system using fuzzy sets and rough set theory with varying object sets and values	Journal of Intelligent & Fuzzy Systems	2023
10	K. Venkatachalam	Y. Alruwaily, K. Venkatachalam El-S. El-hady	Some Results on Fractional Boundary Value Problem for Caputo-Hadamard Fractional Impulsive Integro Differential Equations	Fractal and Fractional	2023
11	K. Venkatachalam	S Abbas P. Karthikeyan	Stability results on non-instantaneous impulsive fractional integro-differential equations with multipoint boundary conditions	Filomat	2023
12	K. Venkatachalam	K Karthikeyan, P Karthikeyan, HM Baskonus, YM Chu	Almost sectorial operators on Ψ-Hilfer derivative fractional impulsive integro-differential equations	Mathematical Methods in the Applied Sciences	2022
13	G. S. Murugapandian	K Karthikeyan, Z Hammouch	On mild solutions of fractional impulsive differential systems of Sobolev type with fractional nonlocal conditions	Mathematical Sciences	2022
14	G. S. Murugapandian	K Karthikeyan, Ö EGE	On the solutions of fractional integro-differential equations involving Ulam-Hyers-Rassias stability results via -fractional derivative with boundary value conditions	Turkish Journal of Mathematics	2022
15	G. S. Murugapandian	K Karthikeyan, Ö EGE	Existence and uniqueness results for sequential ψ-Hilfer impulsive fractional differential equations with multi-point boundary conditions	Houston J. Mathematics	2022
16	K. Venkatachalam	P Karthikeyan, S Abbas	Existence results for fractional impulsive integro-differential equations with integral conditions of Katugampola type	Acta Mathematica Universitatis Comenianae	2021
17	K. Venkatachalam	P Karthikeyan	Integral boundary value problems for Hilfer-Katugampola fractional differential equations	Nonlinear Studies	2021
18	K. Venkatachalam	P Karthikeyan	Some Results On Multipoint Integral Boundary Value Problems For Fractional Integro-Differential Equations	Progress in Fractional Differentiation and Applications	2021

19	K. Venkatachalam	P Karthikeyan	Results on implicit fractional differential equations involving Katugampola type integral boundary conditions	Can. J. App. Math	2020
20	K. Venkatachalam	P Karthikeyan	Nonlocal multipoint boundary value problems for Caputo-Hadamard fractional integro-differential equations	Can. J. App. Math	2020