

Dr. K. JOTHIMANI, M.Sc., M.Phil., SET., Ph.D.

Assistant Professor
Sri GVG Visalakshi College for Women(Autonomous)
Udumalpet- 642 128
E-mail: jothiphd2020@gmail.com

TOTAL TEACHING EXPERIENCE – 16 YEARS 6 MONTHS

Designation	Institution	Period	Years/ Months
Assistant Professor	Sri GVG Visalakshi College for Women	20.03.2024 To Till date	8 Months
Assistant Professor	Vellore Institute of Technology, Vellore	17.08.2022 To 19.03.2024	1 year & 7 Months
Associate Professor	Sri Eshwar College of Engineering, Coimbatore	26/02/2022 To 10.08.2022	4 Months
Assistant Professor	Sri Eshwar College of Engineering, Coimbatore	17/06/2011 To 25/02/2022	10 Years & 8Months
Lecturer	Rudhraveni Muthuswamy Polytechnic College, Udumalpet	01/10 /2007 To 10/01/2011	3years & 3Months

AREA OF RESEARCH & INTEREST

- Fractional Differential Equations
- Abstract Differential Equations

LIST OF RESEARCH PAPER PUBLICATIONS IN REPUTED REFERRED INTERNATIONAL JOURNALS - 23

- **NO. OF CITATIONS – 657 – Google Scholar**
- **H INDEX – 11, i10 INDEX – 14**
- **NO. OF CITATIONS – 587– Scopus Database**
- **GoogleScholar:** <https://scholar.google.com/citations?user=2Hu8qwAAAAJ&hl=en&oi=ao>
- **ORCID:** <https://orcid.org/0000-0002-5822-0386?lang=en>
- **Researchgate:**<https://www.researchgate.net/profile/Jothmani-Ravichandran>
- **Publons:** <https://publons.com/researcher/4991696/jothimani-k/>
- **Scopus :** <https://www.scopus.com/authid/detail.uri?authorId=57201216999>

S.No	AUTHORS NAME	TITLE	JOURNALNAME	INDEXING & IMPACT FACTOR	VOL & PAGE NO	YEAR OF PUBLIC ATION
	K Jothimani, N Valliammal, V Vijayakumar	Integral contractor approach on controllability of Hilfer–Langevin system	Journal of Applied Mathematics and Computing 70 (5), 4909-4922	SCIE, Scopus & Impact Factor: 3.75		
1	KS Nisar, K Jothimani , C Ravichandran	Optimal and total controllability approach of non-instantaneous Hilfer fractional derivative with integral boundary condition	PLOS ONE (Q1 Rank Journal - Public Library of Science(PLOS))	SCIE, Scopus & Impact Factor: 3.75	https://doi.org/10.1371/journal.pone.0297478	2024
2	N. Valliammal K. Jothimani M. Johnson S. K. Panda V. Vijayakumar	Approximate controllability analysis of impulsive neutral functional hemivariational inequalities	Communications in Nonlinear Science and Numerical Simulation (Q1 Rank Journal - Elsevier)	SCIE, Scopus & Impact Factor: 3.9	https://doi.org/10.1016/j.cnsns.2023.107560	2023
3	K. Jothimani , N. Valliammal, V. Vijayakumar	An exploration of controllability on Hilfer fractional system via integral contractor	Mathematical Methods in the Applied Sciences (Q1 Rank Journal - Wiley)	SCIE, Scopus & Impact Factor: 3.007	https://doi.org/10.1002/mma.9443	2023
4	Yong-Ki Ma, J. Pradeesh, Anurag Shukla, V. Vijayakumar, K. Jothimani	An analysis on the approximate controllability of neutral impulsive stochastic integrodifferential inclusions via resolvent operators	Heliyon (Q1 Rank Journal - CellPress)	SCIE, Scopus & Impact Factor: 4.00	https://doi.org/10.1016/j.heliyon.2023.e20837	2023
5	N. Valliammal, K. Jothimani , S. K. Panda, V. Vijayakumar	An investigation on the existence and approximate controllability of neutral stochastic hemivariational inequalities	Rendiconti del Circolo Matematico di Palermo Series 2 (Q2 Rank Journal - Springer)	SCIE, Scopus & Impact Factor: 1.00	https://doi.org/10.1007/s12215-023-00967-4	2023
6	K. Jothimani , N. Valliammal, S. Alsaeed, K. S. Nisar, C. Ravichandran	Controllability Results of Hilfer Fractional Derivative Through Integral Contractors	Qualitative Theory of Dynamical Systems, (Q3 Rank Journal- Springer International)	SCIE, Scopus & Impact Factor: 1.3	22, 137, https://doi.org/10.1007/s12346-023-00833-9	2023

7	K. Jothimani, C. Ravichandran, V. Kumar, M. Djemai, K. S. Nisar	Interpretation of trajectory control and optimization for the nondense fractional system	International Journal of Applied and Computational Mathematics, (Q3 Rank Journal-Springer India)	Scopus	8 (6), 273, https://doi.org/10.1007/s40819-022-01478-z	2022
8	V. Vijayaraj, C. Ravichandran, T. Botmart, K. S. Nisar, K. Jothimani	Existence and data dependence results for neutral fractional order integro-differential equations	AIMS Mathematics [Q2 Rank Journal- AIMS publications]	SCIE, Scopus & Impact Factor:2.739	8 (1), 1055-1071 Doi:10.3934/math.2023052	2022
9	C Ravichandran, K Jothimani , KS Nisar, EE Mahmoud, IS Yahia	An interpretation on controllability of Hilfer fractional derivative with nondense domain	Alexandria Engineering Journal, [Q1 Rank Journal- Elsevier)	SCIE, Scopus & Impact Factor: 6.8	61(12), 9941-9948, https://doi.org/10.1016/j.aej.2023.03.011	2022
10	K. S. Nisar, K. Jothimani , C.Ravichandran, D. Baleanu, D. Kumar	New approach on controllability of Hilfer fractional derivatives with nondense domain	AIMS Mathematics [Q2 Rank Journal- AIMS publications]	SCIE, Scopus & Impact Factor: 2.739	7 (6), 10079-10095, http://dx.doi.org/10.3934/math.2022561	2022
11	K. S. Nisar , K. Jothimani , K. Kaliraj, C. Ravichandran	An analysis of controllability results for nonlinear Hilfer neutral fractional derivatives with non-dense domain	Chaos, Solitons & Fractals [Q1 Rank Journal- Elsevier Publications]	SCI, Scopus & Impact Factor: 7.8	46 (2020) Article id:110915	2021
12	K. Jothimani , K. Kaliraj, S. K. Panda, K. S. Nisar , C. Ravichandran	Results on controllability of non-densely characterized neutral fractional delay differential system	Evolution Equations & Control Theory [Q2 Rank Journal- AIMS Publications]	SCIE, Scopus & Impact Factor: 1.5	10(3), 619-631, 2021, doi: http://dx.doi.org/10.3934/eect.2020083 .	2021
13	R. Subashini, K. Jothimani , K. S. Nisar, C. Ravichandran	New results on nonlocal functional integrodifferential equations via Hilfer fractional derivative	Alexandria Engineering Journal, [Q1 Rank Journal- Elsevier Publications]	SCIE, Scopus & Impact Factor: 6.8	19(5), pp. 2891-2899, 2020, https://doi.org/10.1016/j.aej.2020.01.055 .	2020
		New results on	The European		134:441, pp. 1-	

14	K. Jothimani , K. Kaliraj, Z. Hammouch, C. Ravichandran	controllability in the framework of fractional integro differential equations with non-dense domain	Physical Journal Plus [Q1 Rank Journal- Springer veralg Publications]	SCI & Scopus Impact Factor: 3.4	10, 2019, https://doi.org/10.1140/epjp/i2019-12858-8	2019
15	C. Ravichandran, K. Jothimani , Haci Mehmet Baskonus, N. Valliammal	New results on non-densely characterized integrodifferential equations with fractional order	The European Physical Journal Plus [Q1 Rank Journal- Springer veralg Publications]	SCI, Scopus & Impact Factor: 3.4	133(109), 1-9. https://doi.org/10.1140/epjp/i2018-11966-3	2018
16	R. Subashini, C. Ravichandran, K. Jothimani , H. M. Baskonus	Existence results of Hilfer integrodifferential equations with fractional order	Discrete & Continuous Dynamical Systems-S [Q1 Rank Journal- Springer publications]	SCI, SCIE, Scopus & Impact Factor: 1.8	13(3), 911-923, http://dx.doi.org/10.3934/dcds.2020053 .	2018
17	K. Jothimani , N. Valliammal, C. Ravichandran	Existence result for a neutral fractional integro-differential equation with state dependent delay	Journal of Applied Nonlinear Dynamics	Scopus	7(4), 371-381, 2018, doi:10.5890/JAND.2018.12.005 .	2018
18	R Subashini, K. Jothimani , S Saranya, C Ravichandran	On the results of Hilfer fractional derivative with nonlocal conditions	International Journal of Pure and Applied Mathematics	-	118, 277-289, doi: 10.12732/ijpam.v118i11.33	2018

LIST OF BOOK CHAPTER PUBLISHED - 1

S. No	NAME OF THE AUTHORS	TITLE OF THE BOOK/CHAPTERS PUBLISHED	TITLE OF THE PAPER	YEAR OF PUBLICATION	ISBN/ISSN	NAME OF THE PUBLISHER
1	C. Ravichandran, K. Jothimani , D Kumar	Methods of Mathematical Modelling: Fractional Differential Equations	Controllability on Non-dense Delay Fractional Differential System with Non-Local Conditions	2019	9780429274114	CRC PRESS-Taylor & Francis

REVIEWER FOR REPUTED INTERNATIONAL JOURNALS

1. Journal of Mathematics (SCIE- Wiley)
2. Journal of Function Spaces (SCI- Wiley)
3. Numerical Methods for Partial Differential Equations – (SCIE-Wiley)
4. Journal of Optimization Theory and Applications – (Q1-Springer)
5. Qualitative Theory of Dynamical Systems -(Q2-Springer)
6. Boundary Value Problems – (Q3-Springer)
7. Pseudo Differential Equations – (Q3-Springer)

SEMINARS/CONFERENCES

- Participated as organizing committee member in 8th international conference on Data Management Analysis and Innovation (ICDMAI 2024) from 19-21 January 2024 at Vellore Institute of Technology, Vellore.
- Three days National Conference: 22nd Ramanujam Symposium – National Conference on Pure and Applied Mathematics on 6 – 8 March 2019 at Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chennai and presented a paper on "Results on Controllability of non- densely characterized neutral fractional differential system with infinite delay".
- Three days International conference: International Conference on Impact of Innovations in Science and Technology For Social development (IISTSD-2019) on 19 – 21 September 2019 at Kongunadu Arts and Science College(Autonomous), Coimbatore and presented a paper on "Controllability on nondense delay fractional differential system with nonlocal conditions".
- One day International conference: 2nd International Conference on Current Scenario in Pure and Applied Mathematics(ICCSPAM 2019) on 3rd January 2019 at Kongunadu Arts and Science College(Autonomous), Coimbatore and presented a paper on "Controllability results on non densely characterized fractional integro differential equations".