

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

Assistant Professor
Sri GVG Visalakshi College for Women(Autonomous)
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TOTAL TEACHING EXPERIENCE – 15 YEARS 9 MONTHS

Designation	Institution	Period	Years/ Months
Assistant Professor	Sri GVG Visalakshi College for Women	20.03.2024 To Till date	2 Months
Assistant Professor	Vellore Institute of Technology, Vellore	17.08.2022 To 19.03.2024	1 year & 8 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 Mthuswamy 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 - 19

- **NO. OF CITATIONS – 587 – Google Scholar**
- **H INDEX – 10, i10 INDEX – 10**
- **NO. OF CITATIONS –530– Scopus Database**
- **GoogleScholar:** <https://scholar.google.com/citations?user=2Hu8gwAAAAJ&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
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	146 (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
			Alexandria		59(5), pp.	

13	R. Subashini, K. Jothimani , K. S. Nisar, C. Ravichandran	New results on nonlocal functional integrodifferential equations via Hilfer fractional derivative	Engineering Journal, [Q1 Rank Journal- Elsevier Publications]	SCIE, Scopus & Impact Factor: 6.8	2891-2899, 2020, https://doi.org/10.1016/j.aej.2020.01.055 .	2020
14	K. Jothimani , K. Kaliraj, Z. Hammouch, C. Ravichandran	New results on controllability in the framework of fractional integrodifferential equations with nondense domain	The European Physical Journal Plus [Q1 Rank Journal- Springer veralg Publications]	SCI & Scopus Impact Factor: 3.4	134:441, pp. 1-10, 2019, https://doi.org/10.1140/epjp/i2019-12858-8	2019
15	C. Ravichandran, K. Jothimani , Haci Mehmet Baskonus, N. Valliammal	New results on nondensely 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 integrodifferential 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
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1	C.Ravichandran, K Jothimani , D Kumar	Methods of Mathematica Modelling: Fractional Differential Equations	Controllability on Non-dense Delay Fractional Differential System with Non-Local Conditions	2019	9780429274 114	CRC PRESS- Taylor & Francis
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REVIEWER FOR REPUTED INTERNATIONAL JOURNALS

1. American Mathematical Society approved reviewer
2. Journal of Mathematics (**SCIE- Wiley**)
3. Journal of Function Spaces (**SCI- Wiley**)
4. Numerical Methods for Partial Differential Equations – (**SCIE-Wiley**)
5. Journal of Optimization Theory and Applications – (**Q1-Springer**)
6. Qualitative Theory of Dynamical Systems -(**Q2-Springer**)
7. Boundary Value Problems – (**Q3-Springer**)
8. 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".