Name	: **Dr. J. PRIYADHARSINI**
Designation	: **ASSISTANT PROFESSOR**
Department	: **MATHEMATICS**
Date of Joining	: **11.08.2022**
Phone No	: **9791652510**
Email	: **jpriyagru@gmail.com,**
	priyadharsini@americancollege.edu.in

EDUCATIONAL QUALIFICATION:

Degree	Subject	College/University & Place	Year Completed
Ph.D **Full Time**	Mathematics	The Gandhigram Rural Institute (Deemed to be University). Dindigul.	2021 (Highly Commended)
M. Phil	Mathematics	The Gandhigram Rural University. Dindigul.	2007
M. Sc.	Mathematics	Lady Doak College, Madurai	2006
B. Sc. (Spl)	Mathematics	Lady Doak College, Madurai	2004

SPECIALISATION IN TEACHING: Algebra, Differential equations, Probability and Statistics, Stochastic Process, Numerical methods, Operation research

SPECIALISATION IN RESEARCH: Fractional Differential Equations

RESEARCH INTERESTS: Differential Equations, Fuzzy Mathematics, Controllability

OTHER WORK EXPERIENCE:

Designation	Institution / University	Period	Experience Y	M
Guest Lecture	Lady Doak College	Nov-Dec 2007		25 Days
Lecturer in Mathematics	Apollo Arts and Science College, Chennai.	18-07-2008 to 31-07-2009	1 Y	13 Days
Lecturer in Mathematics	Sree Sastha Institute of Engineering and Technology	03-08-2009 to 05-09-2013	4	1 M, 2 Days
Assistant Professor in Mathematics	Sree Sastha Engineering College	04-08-2014 to 05-05-2017	2	9 M
Guest Faculty in Mathematics	Gandhigram Rural Institute (Deemed to be University)	July-Sep 2017		3 M
Total Years of Experience			8 Y	2M, 12Days

ARTICLES PUBLISHED IN INTERATIONAL JOURNALS:

1. **J. Priyadharsini**, P. Balasubramaniam, Solvability of fuzzy fractional stochastic Pantograph differential system, Iranian Journal of fuzzy systems, Iranian Journal of Fuzzy Systems 19 (2022), 47-60. **(SCI Journal– Impact Factor: 2.100)**. .

2. **J. Priyadharsini**, P. Balasubramaniam, Optimal control for fractional higher order damped stochastic impulsive systems, Mathematical Methods in the Applied Sciences, 44 (2021) 5930-5952. **(SCI Journal – Wiley – Impact Factor: 2.321)**.

3. **J. Priyadharsini**, P. Balasubramaniam, Controllability of fractional non-instantaneous impulsive integrodifferential stochastic delay system, IMA Journal of Mathematical Control and Information, 32 (2021), 654-683. **(SCI Journal – Oxford Academic – Impact Factor: 1.555)**.

4**. J. Priyadharsini,** P. Balasubramaniam, Existence of fuzzy fractional stochastic differential system with impulses, Computational and Applied Mathematics, 39 (2020) 1-21. **(SCI Journal – Springer – Impact Factor: 2.239)**.

5. **J. Priyadharsini**, T. Sathiyaraj and P. Balasubramaniam, Results on controllability of nonlinear Hilfer fractional stochastic system, International Journal of Nonlinear Science and Numerical Simulation, 20 (2019) 475-485. **(SCI Journal – De gruyter – Impact Factor: 2.007)**.

SCOPUS INDEXED JOURNAL

1. **J. Priyadharsini**, P. Balasubramaniam, Multi-criteria decision making method based on interval-valued intuitionistic fuzzy sets, The Journal of Analysis, 27 (2019) 259-276.

2. **J. Priyadharsini**, V. Seenivasan and P. Senthilkumar, Stability Result For Fractional Fuzzy Neutral Integro-differential Equations, The Journal of Analysis, (Revision Submitted)

BOOK CHAPTER CONTRIBUTED

P. Balasubramaniam and **J. Priyadharsini**, Controllability of fuzzy fractional stochastic differential systems, An Essential Guide to Fuzzy Systems, **Chapter 4**. ISBN: 978-1-53616-128-1, Nova Science Publishers Inc, New York, 2020.

CONFERENCE/WORKSHOP PARTICIPATED

1. Participated and presented a paper **(Stability Result for Fractional Fuzzy Neutral Integro-Differential Equations)** in the **International Conference on Mathematical Modelling, Applied Analysis and Computational Intelligence (ICMMAACI-2022)** during February 2-4, 2022 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

2. Participated and presented a paper **(Stability of Hilfer Fractional Integrodifferential Stochastic with Impulses and Poisson Jump Via MNC)** in the **International Conference (online mode) on Mathematical Analysis and its Applications – CONIAPS XXVII-MAAPS 2021** during October 26-28, 2021 at University of Kerala.

3. Participated and presented a paper **(Stability Result for Hilfer Fractional Integrodifferential Stochastic Equations by Fractional Noises with Non-Instantaneous Impulses)** in the **International Conference of on Mathematical Modelling and Computational Intelligence Techniques - ICMMCIT-2021** during February 10-12, 2021 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

4. Participated and presented a paper **(Existence of Fuzzy Fractional Stochastic Delay Differential System)** in the **International Conference of Mathematical Modelling and Scientific Computing - ICMMSC 2020** during February 19-20, 2020 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

5. Participated and presented a paper **(Controllability of Nonlinear Neutral Fractional Impulsive Stochastic Systems with Delay and Poisson jump)** in the **International Conference of Dynamical Systems, Mathematical Modelling and Computing Techniques- ICDSMMCT 2019** during February 14-16, 2019 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

6. Participated and presented a paper **(Existence of Fuzzy Functional Stochastic Differential Equations with impulse)** in the **National Conference on Mathematical Analysis and** during December 19-20, 2019 at National Institute of Technology, Tiruchirappalli.

7. Participated and presented a paper **(Controllability of Fractional Impulsive Stochastic System)** in the **International Conference of Indian Society of Industrial and Applied Mathematics – IC-ISIAM 2019** during December 5-7, 2019 at Bharathiar University and Anna University Regional Campus, Coimbatore.

8. Participated in the **International Workshop on Mathematical Modelling and Scientific Computing** during 04-09-2019 to 05-09-2019 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

9. Participated in the **International Workshop on Mathematical Modelling and Soft Computing** during April 25-27, 2018 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

10. Participated and presented a paper **(Multi-Criteria Decision Making Method Based on Interval-Valued Instuitionistic Fuzzy Sets)** in the **International Conference on**

Applied Analysis, Mathematical Modelling and Computing Techniques- ICAAMMCT 2018 during March 15-17, 2018 at The Gandhigram Rural Institute (Deemed to be University), Gandhigram, Dindigul.

11. Participated in the **Bridge course on Mathematics** during June 29-30, 2015 at Anna University, Chennai.

12. Participated in the Training programme on **Instructional Design and Delivery** during July 22-24, 2010 at Sree Sastha Institute of Engineering and Technology, Chennai.

13. Participated in the **International Conference on Discrete Mathematics and Its Applications** on August 9, 2012 at Asan Memorial College of Engineering and Technology, Chengalpattu.

14. Participated in the **National Conference on Mathematics, Computing & Modelling (NCMCM)** during 03-03-2007 to 04-03-2007 at The Gandhigram Rural University, Gandhigram, Dindigul.

ACHIEVEMENTS

1. Got cash award of Rs. 2000 to produce 100% result in Resource Management Technique for IV year Computer Science Engineering in Anna University Examination during the year 2016-2017 in Sree Sastha College of Engineering, Chennai.

2. Got cash award of Rs. 1000 to produce 97% result in Statistics and Numerical Methods for II year Mechanical Engineering in Anna University Examination during the year 2015-2016 in Sree Sastha College of Engineering, Chennai.

3. Got cash award of Rs. 1000 to produce 97% result in Probability and Statistics for II year Biotechnology Engineering in Anna University Examination during the year 2010- 2011 in Sree Sastha College of Engineering, Chennai.

REVIEWER:

Reviewer in the Journal of **Neural Processing Letters**

COURSE COMPLETED

NPTEL Course- Introduction to Machine Learning with Elite certificate

MEMBER:

Lifetime Member in **Ramanujan Mathematical Society.**

Membership No: 1669

COMPUTER KNOWLEDGE:

MS-Office, LaTex Type Setting, Mat Lab

RESEARCH ACTIVITIES:

	All	**Since 2017**
Citations	27	27
h-index	3	3
i10-index	1	1

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Scopus ID: https://www.scopus.com/authid/detail.uri?authorId=57208212501

Google ScholarID: https://scholar.google.com/citations?user=jbwGtS4AAAAJ&hl=en