

Dr. R. JEYABALAN

## **Assistant Professor**

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# Academic Qualifications

Degree	Institution	Year	Branch	Class
Ph.D.	Bharathidasan University	2015	Mathematics	Awarded
M. Phil.	Alagappa University	2010	Mathematics	First
M.Sc.	Alagappa University	2007	Mathematics	First

## **Teaching Experience: 8 Years 9 Months**

Position	Institution	Duration
Assistant Professor Stage-I	Alagappa University	30-01-2016 to 30.01.2020
Assistant Professor Stage-II	Alagappa University	30-01-2020 to Till date

<b>Research</b> Experience: o years 9 months	<b>Research Ex</b>	perience : 8	vears 9	Months
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Position	Institution / University	Duration
Assistant Professor	Alagappa University	30-Jan-2016 to Till date

## Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	То
1	Deputy-	Quick Cell	01.07.2023	Till
	Coordinator			date
5	Programme	NSS Unit No. AU 02, Alagappa University	05.09.2023	Till
	Officer			date
6	TP Coordinator	Naan Mudhalvan Operation Cell Alagappa	12.01.2024	Till
		University		date

## **Areas of Research**

- Fuzzy Topology
- Magic Labeling Graph Theory
- Soft Topology

# **Research Supervision/Guidance**

Programme of Study		Completed	Ongoing
	Ph.D.		04
	M. Phil.	25	Nil
Project	PG	84	13

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books/Chapters/Monographs/Manuals
13	-	02	1	
CumulativeImpact Factor(asperJCR) : 4.21				
h-index :3		:3		
<b>i10 index</b> :1		:1		
TotalCita	TotalCitations :50			

# **Funded Research Projects**

# **Ongoing Projects:**

	Period				
S.No	Agency			ProjectTitle	Budget
		From	То		(Rs.In lakhs)
1	RUSA 23.01.2019 to		.2019 o	Magic Labeling Graph Theory	Phase-I & II
2.0	2.0	2.0 till date			7.25 lakns

# **Completed Projects:**

		Per	iod		
S.No	Agency	<b>F</b>	Т.	ProjectTitle	Budget
		From	10		(Rs.In lakhs)
	AURF-	24.05	5.2017	A Study on Vertex N Magic Total	
1	Seed	t	0	A Study off Vertex IN-Magic Total	0.35 lakhs
	Money	24.05.	2018	Labering graphs	

Number of Seminars /Conferences /Workshops/ Events organized: 08

## **Events organized in leading roles**

Position	Programme	Programme Duration	
Coordinator	PTA & Alumni Meet	31.03.2024	Alagappa University
Coordinator	VEP	27-29.10.2023	Alagappa University
Coordinator	National Mathematics Day	22.12.2022	Alagappa University
Coordinator	State Level Quiz	02.02.2019	Alagappa University
Coordinator	VEP	20-22.09.2019	Alagappa University
Coordinator	Two day National Conference	23-24.10. 2018	Alagappa University
Coordinator	National Mathematics Day	22.12.2017	Alagappa University
Coordinator	VEP	23-25.09.2016	Alagappa University

#### **Overseas Exposure/Visits**

Number of Conferences/Seminars/Workshops: 25

S.	Country Visited	Period		Purpose of Visit
No.		From	То	
1.	Vietnam	15.12.2022	16.12.2022	Presented a paper in the Conference
2.	Malaysia (University of Malaya)	16.08.2019	19.08.2019	Presented a paper in the Conference
3.	Singapore (National University of Singapore)	27.10.2018	28.10.2018	Presented a paper in the Conference

#### Membership

#### **Professional Bodies**

1. Life member in FATER Academy of India (Forum for Advanced Training)

### Academic Bodies in Other Institutes/Universities

Year/Period	Name of the BoS /Administrative Committee / Academic Committee	Role
2024	B.Sc. Mathematics(CDOE), Bharathidasan University, Trichy	Member
2021-2024	B.Sc. Mathematics, Bharathidasan University, Trichy	Member
2024	B.Sc. and M.Sc. Mathematics, Sourashtra college Madurai	Member

#### List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	"Strongly Vertex Perfectly Antimagic Total Graphs",	
	S. Balasundar, <b>R. Jeyabalan</b> , R. Nishanthini and P. Swathi	
	Intenational Journal of Applied Mathematics, Vol No. (54) No.	
	8, pp1597-1601, (2024) ( <b>Scopus</b> )	

2	"PERFECTLY ANTIMAGIC TOTAL LABELING OF STAR-	
	LIKE TREES AND THE CORONA PRODUCT OF TWO	
	GRAPHS," P. Swathi, <b>R. Jeyabalan</b> Acta Math. Univ.	
	Comenianae Vol. XCIII, 2, pp. 95-100 (2024) (Scopus)	
3	"Sharp bounds on N-Vertex magic total labeling of graphs" R.	
	Nishanthini, <b>R. Jeyabalan</b> Mathematics and Statistics, Volume	
	No.(12). No.2 (2024) (Scopus).	
4	"Perfectly antimagic total graphs," P. Swathi,	
	<b>R. Jeyabalan</b> and R. Nishanthini Journal of Intelligent & Fuzzy	1.74
	Systems 44 (2023) 1517–1523. (SCIE)	
	DOI:10.3233/JIFS-221279	
5	"Split Domination in Neutrosophic Graphs", M. Mullai, S.	
	Broumi, R. Jeyabalan, R. Meenakshi Neutrosophic Sets and	
	Systems, Volume No. 47, Year 2021, Pages 240-249. (Scopus)	
6	"Consecutive z-index vertex magic labeling graphs" R.	
	Nishanthini, <b>R.Jeyabalan</b> , S. Balasundar Journal of Intelligent	1.74
	and Fuzzy Systems Volume Vol. 41, no. 1,, Year 2021, Pages	
	219-230. ( <b>SCIE</b> ),	
7	"Strongly Edge Multiplicative Graphs" <b>R.Jeyabalan</b> and	
	G.Kumar Advances in Mathematics: Scientific Journal, Volume	
	1, Year 2020, Pages 173-185 (Scopus)	
8	"Strongly Vertex Multiplicative Graphs" <b>R.Jeyabalan</b> and	
	G.Kumar Advances in Mathematics: Scientific Journal (Scopus),	
0	Volume 4, Year 2020, Pages 2177–2183. (Scopus)	
9	"A Single Valued Neutrosophic Inventory Model with	
	Neutrosophic Random Variable" M.Nullial and <b>R.Jeyabalan</b> and	
	5. Bround International Journal of Neutrosophic, Volume 1, Tear	
10	"Completely generalized semi-precontinuous mapping in IVE	
10	topological space" G Kumar and <b>B Javahalan</b> International	
	Journal of Mathematics and Its Applications Volume 6 Year	
	2018 Pages 357-364 (UGC Care List)	
11	"IVF-almost generalized semi-preclosed mappings" G.Kumar	
	and <b>R.Jevabalan</b> International Journal of Mathematics Trends	
	and Technology, Volume 55, Year 2018, Pages 143-152.	
12	"IVF-generalized semi-precontinuous mappings" <b>R.Jeyabalan</b>	
	and K.Arjunan Global Journal of Pure and Applied Mathematics,	
	Volume 12, Year 2016, Pages 106-111.	
13	"IVF Almost Generalized Semi-Precontinuous Mappings"	
	<b>R.Jeyabalan</b> , International Journal of Applied Mathematical	
	Sciences, Volume 9, Year 2016, Pages 99-111.	
14	"Interval Valued Fuzzy Generalized Semi-Preirresolute	
	Mapping" R.Jeyabalan and K.Arjunan Gen. Math. Notes,	
	Volume 23, Year 2014, Pages 79-84.	
15	"Interval valued fuzzy generalized semi-preclosed mappings"	
	<b>R.Jeyabalan</b> and K.Arjunan IOSR Journal of Mathematics,	
	Volume 5, Year 2013, Pages 40-47.	
16	"Notes on Interval Valued Fuzzy Generalized Semipreclosed	
	Sets" <b>R.Jeyabalan</b> and K.Arjunan International Journal of Fuzzy	
	Mathematics and Systems, Volume 3, Year 2013, Pages 215-224.	

#### **Resource persons in various capacities**

National Conferences	:3
International Conferences	:6
Invited Lectures	:5