

## BIO-DATA

1. Name : **Dr. P. Lawrence Rozario Raj**
2. Educational Qualifications : M.Sc.,B.Ed.,M.Phil.,B.Ed.,PGDCSA.,Ph.D.,
3. Age and Date of Birth : 50 Years, 12.11.1973.
4. Official Address : Assistant Professor,  
Department of Mathematics,  
St. Joseph's College,  
Tiruchirappalli – 620002.  
Tamilnadu, India.
5. Residential Address : 4/182-H, Royal City, East Extension,  
Nagamangalam,  
Tiruchirappalli – 620002, Tamilnadu, India.  
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lawraj2006@yahoo.co.in  
lawmathsgraph@gmail.com



### 6. Educational Qualifications :

S.No.	Degree	Year of Passing and College/University	Percentage of marks and Class
1.	B.Sc (Mathematics)	April 1994 St. Joseph's College (Autonomous), Tiruchirappalli - 620002	79.14% Distinction
2.	M.Sc (Mathematics)	April 1996 St. Joseph's College (Autonomous), Tiruchirappalli - 620002	76.72% First Class
3.	B.Ed (English and Mathematics)	April 1996 Bharathidasan University, Tiruchirappalli - 620024	Theory : Second Class Practical : First Class
4.	PGDCSA	April 1997 St. Joseph's College (Autonomous), Tiruchirappalli - 620002	81% First Class
5.	M.Phil (Mathematics)	March 1998 St. Joseph's College (Autonomous), Tiruchirappalli - 620002	74.4% First Class

6.	M.C.A	November 2002 Manonmaniam Sundaranar University, Thirunelveli.	67.48 First Class
7.	Ph.D (Mathematics)	January 2018 St. Joseph's College (Autonomous), Tiruchirappalli - 620002	

7. Teaching Experience : Total : 26 years 7 months  
 B.Sc. : 26 years 7 months  
 M.Sc.: 14 years

#### 8 Details of Administrative Experience

Institution	Position held	Period	
		From	To
Department of Mathematics (Shift II), St. Joseph's College, Tiruchirappalli – 620002.	Coordinator	June 2015	May 2018
Department of Mathematics (Shift II), St. Joseph's College, Tiruchirappalli – 620002.	Vice - Principal	June 2018	May 2021

10. Research Experience : 21 years

11. Area of Research : Graph labeling, Topological Indices in graph,  
 Domination in graph and Fuzzy graph.

(i) Research Supervisor : Recognized Research Supervisor for M.Phil:

1. Bharathidasan University, Tiruchirappalli - 620024.
2. PRIDE, Periyar University, Salem - 636011.
3. Tamil Nadu Open University, Chennai - 600015.

(ii). Number of MPhil Guided : 20

## I. Publications of Research Papers

### International

Title	Name of Journal / Vol. No. / Page Nos/ISSNO.	C Index No.	Year
Some New Families of Edge, Face Edge and Total Face Edge Sum Divisor Cordial Graphs	International Journal of Mathematics Trends and Technology / 69 (4) / 54-68 / 2231-5373	0	2023
sc-graphs	Ratio Mathematica / 50 / 86-93 / 1592-7415	0	2023
Kth Fibonacci Prime Labeling of Graphs	International Journal of Mathematics Trends and Technology / 68 (5) / 61-67 / 2231-5373	1	2022
Edge Sum Divisor cordial Graphs	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery / 26(02) / 407-417 / 1001-1781	2	2022
Some New Families of Analytic Mean Graphs	Journal of Applied Science and Computations / VI (III) / 882-887 / 1076-5131	0	2019
k-SD Prime Cordial Disconnected Graphs	Journal of Applied Science and Computations / VI (III) / 856-866 / 1076-5131	0	2019
Some New Families of Analytic Mean Graphs	The International journal of analytical and experimental modal analysis / Volume XI, Issue X / 358-361 / 0886-9367	0	2019
Neighbourhood Prime Labeling for Some New Families of Graphs	The International journal of analytical and experimental modal analysis / Volume XI, Issue X / 352-357 / 0886-9367	2	2019
Some More Results on Neighbourhood-Prime Labeling of Graphs	The International journal of analytical and experimental modal analysis / Volume XI, Issue X / 38-43 / 0886-9367	0	2019
SD and k-SD Prime Cordial graphs	Intern. J. Fuzzy Mathematical Archive / 15(2) / 189-195 / 2320 - 3242	3	2018
Neighbourhood Prime Labeling of Some Special Graphs	International Journal of Pure and Applied Mathematics / 120 / 601-607 / 1314-3395	0	2018

SD Prime Cordial Labeling of Some Special Graphs	International Journal of Mathematics And its Applications / 6 / 107-114 / 2347-1557	1	2018
Face Integer Cordial Labeling of Graphs	International Journal of Mathematics Trends and Technology (IJMTT) / Volume 41 Number 2 / 177-185 / 2231-5373	5	2017
Some New Families of Sum Divisor Cordial Graphs	International Journal of Mathematics Trends and Technology (IJMTT) / 40(2) / 175-179 / 2231-5373	2	2016
k-Neighborhood-prime Labeling of Graphs	International Journal of Innovative Science, Engineering & Technology / Vol. 3 Issue 8 / 288-292 / 2348 - 7968	3	2016
Face and Total Face Signed Product Cordial Labeling of Planar Graphs	Asia Pacific Journal of Research / Vol I. Issue XLI / 16-23 / 2320-5504	4	2016
Face and Total Face Product Cordial Labeling of Graphs	International Journal of Innovative Science, Engineering & Technology / 2 / 93-102 / 2348 - 7968	5	2015
Analytic Mean Labeling of Cycle Related Graphs	International Journal of Innovative Science, Engineering & Technology / 2 / 897-901 / 2348 - 7968	1	2015
Face and Total face edge product cordial graphs	International Journal of Mathematics Trends and Technology / 19, No.2 / 136-149 / ISSN: 2231-5373	9	2015
Some Results on Divisor Cordial Labeling of Graphs	IJSET - International Journal of Innovative Science, Engineering & Technology / 1, Issue 10 / 226-231 / 2348 - 7968	12	2014
Divisor Cordial Labelling of Some Disconnected Graphs	International Journal of Mathematics Trends and Technology / Volume 15 Number 1 / 49-63 / 2231-5373	7	2014
Some New Families of Divisor Cordial Graphs	International Journal of Mathematics Trends and Technology / 7 / 94-102 / 2231-5373	21	2014
Signed Product Cordialness of Arbitrary Supersubdivisions of Graphs	International Journal of Mathematics and Computational Methods in Science & Technology / Vol.2, No.1 / 1-6 / ISSN: 2249 - 8915	2	2012

Totally Magic Cordial Labeling of Some Special Graphs	Proceedings of the Heber International Conference on Applications of Mathematics and Statistics, Excel India Publishers, New Delhi / 1 / 486-499 / ISBN: 978-93-81361-71-9	0	2012
Combination Labeling for Some Cycle and Star Related Graphs	Proceedings of the Heber International Conference on Applications of Mathematics and Statistics, Excel India Publishers, New Delhi / I / 500-505 / ISBN: 978-93-81361-71-9	0	2012
Sum Labeling for cycle sparkle graph & Arbitrary supersubdivision of Tree	Mathematical Sciences International Research Journal / vol 1, issue 1 / 138-144 / 2278-8697	0	2012
Sum Labeling for arbitrary supersubdivision of path, cycle and star	International Journal of Scientific and Engineering Research / VOLUME 3, ISSUE 11 / 31-33 / ISSN 2229-5518	0	2012
Sum Labeling for some cycle related graphs	International Journal of Scientific and Engineering Research / VOLUME 3, ISSUE 11 / 95-100 / ISSN 2229-5518	0	2012
Signed product cordial graphs in the context of arbitrary supersubdivision	SCIENTIA MAGNA / Vol. 8 , No. 4, / 77-87 / 1556-6706	6	2012
Cordial labeling for the splitting graph of some standard graphs	International Journal of Mathematics and Soft Computing / Vol.1, No.1 / 105 - 114 / ISSN 2319-5215	24	2011

### National

Title	Name of Journal / Vol. No. / Page Nos/ISSNO.	C Index No.	Year
Sum Labeling for Star and Cycle related special graphs	Mapana - Journal of Sciences / Vol.11, 4 / 77 - 90 / ISSN 0975-3303	0	2012

### Regional

Title	Name of Journal / Vol. No. / Page Nos/ISSNO.	C Index No.	Year
Some New Analytic Mean Graphs	ReTeLL / 16 / 118-124 / 0973-404X	0	2016

<b>III. Seminars (S) / Conferences (C) /Workshops (WS) attended</b>					
<b>Title</b>	<b>Type</b>	<b>Organization Name</b>	<b>Place</b>	<b>Days</b>	<b>Date</b>
Advancements in Graph Theory	W	Vellore Institute of Technology, Chennai	Online	2	2024-02-01
Faculty Development Programme on Patents and Consultancy	O	Internal Quality Assurance Cell and Joseph Start-up Centre, St. Joseph`s College(Autonomous)	Tiruchirappalli 620002	1	2023-11-20
Faculty Development Programme on intricacies of writing for Research Publications and Projects	O	Internal Quality Assurance Cell, St. Joseph`s College(Autonomous)	Tiruchirappalli 620002	1	2023-10-27
Orientation Programme for the teaching faculty	O	Internal Quality Assurance Cell, St. Joseph`s College(Autonomous)	Tiruchirappalli 620002	2	2023-06-15
Faculty Development Programme in Mathematics	O	St. Joseph`s College, PG & Research Department of Mathematics	Tiruchirappalli 620002	1	2023-03-11
LOCF- A Reformative Roadmap towards excellennce	O	IQAC of St. Josephs college(Autonomous)	Tiruchirappalli 620002	1	2023-02-20
International Conference on Mathematical Sciences and Applications	I	St. Joseph`s College	Tiruchirappalli 620002	3	2022-03-09
Hybrid Teaching and Learning	O	St. Joseph`s College	Tiruchirappalli 620002	1	2021-12-02
Open Educational Resources - Search, Identify, Repurpose and Create your OER	O	St. Joseph`s College	Tiruchirappalli 620002	1	2021-09-25
The International Conference on Graph Labeling and Applications Icgla-2020	I	Department of Mathematics, Goa University	GOA-INDIA	3	2020-09-17

Faculty Development Programme on Recent Trends in Applicable Mathematics	O	Department of Mathematics, Karunya Institute of Technology and Sciences	Coimbatore	5	2020-07-27
Faculty Development Programme on Outcome Based Education	O	Raj University, Gujarat	Gujarat	3	2020-07-22
New Approach in Graph Theory	C	Department of Mathematics, Fatima College	Madurai	3	2020-07-18
Inclusive Procedures and Processes in Assessment and Accreditation by NAAC	O	IQAC of St. Josephs college	Tiruchirappalli	5	2020-06-30
Graph Embedding	C	Department of Mathematics, Don Bosco College of Arts and Science	Thoothukudi	1	2020-06-16
How to get Research Grants from UGC, AICTE	I	S&H Dept.& covid 19 Cell, MBITS	kERALA	1	2020-06-09
Graph Colorings and its Applications	S	Department of Mathematics, Chevalier T Thomas Elizabeth College for Women	Chennai	1	2020-06-09
Semi Graphs and Virus Graphs	I	PG and Research Department of Mathematics, Cauvery College for Women	Tiruchirappalli	1	2020-05-31
Two Days Online national seminar on recent research topics in mathematics	S	Department of Mathematics, Auxilium College	Vellore	2	2020-05-28
Recent research Topics in Graph Theory	I	PG & Research Department of Mathematics, MES Mampad College (Autonomous)	Kerala	2	2020-05-20

National Conference On Mathematical Sciences & Applications(NCMSA 2020)	C	PG and Research Department of Mathematics, St Joseph`s College, Tiruchirappalli - 620002	Tiruchirappalli - 620002	2	2020-01-23
Leadership in Higher Education Institutions (Faculty Development Programme)	O	Jesuit Higher Education Association of South Asia and St. Joseph`s College, Tiruchirappalli	JMJ Center, Sirumalai Hills, Dindigul, Tamil Nadu.	3	2019-05-04
Autonomous Institutions Marching Towards University Status (National Colloquium)	Y	St. Joseph`s College, Tiruchirappalli	St. Joseph`s College, Tiruchirappalli	2	2019-03-04
International Conference on Discrete Mathematics - ICDM 2019	I	St Joseph`s College, Tiruchirappalli - 620002	Tiruchirappalli - 620002	3	2019-01-07
Enriched Document Preparation Using LaTeX	W	IFET College of Engineering	Villupuram 605 108	2	2018-07-06
National conference on Applications of Mathematics - Recent Trends (4NCAM-RT)	C	PG & Research Department of Mathematics, st Joseph`s College (Autonomous)	Tiruchirappalli - 620002.	2	2016-12-15
R Software For Statistical Computing In Research - TEQIP II sponsored	W	Department of Mathematics, Thiagarajar College of Engineering	Madurai.	1	2016-11-11
National Conference on Advancements in Mathematical Sciences (NCAMS 2016)	C	Department of Mathematics	St. Joseph`s College (Autonomous), Tiruchirappalli - 620 002.	2	2016-01-07
National Conference on Discrete Mathematics (NCDM) - 2015 (UGC sponsored)	C	Department of Mathematics	St. Joseph`s College (Autonomous), Tiruchirappalli - 620 002.	2	2015-01-09



National Conference on Mathematical Sciences and Applications (NCMSA) - 2014	C	Department of Mathematics	St. Joseph`s College (Autonomous), Tiruchirappalli - 620 002.	2	2014-03-04
National Conference on Graph Theory Generalizations and Applications	C	SASTRA University	Thanjavur	2	2012-08-20
Pursuing Socially Relevant Research - Possibilities and Concerns	S	St Joseph`s College, Tiruchirappalli - 620002	Tiruchirappalli - 620002	1	2012-01-28
Heber International Conference on Applications of Mathematics and Statistics	I	Bishop Heber College, Trichy-620017, Tamilnadu, India	Trichy-620017, Tamilnadu, India	3	2012-01-05
Research and Development : National and Global Perspectives	S	St Joseph`s College, Tiruchirappalli - 620002	Tiruchirappalli - 620002	1	2011-01-18

**IV. Resource Person: (Special Lectures / Workshops / Seminars / Association Activities/ Alumni Meeting)**

Type of Programme	Title	Beneficiaries	Days	Date
Chaired Technical Session	International Conference on Computational and Applicable Mathematics (ICCAM-2019)	The Quaide Milleth College for Men	1	2019-09-06
Invited talk and Chaired Technical Session	International Conference on Pure and Applied Mathematics	St. Joseph`s College, Cuddalore 607001	1	2019-02-16
Chaired Technical Session	International Conference on Modern Trends in Mathematics (ICMTM 2018)	HKRH College Uthamapalayam 625533	1	2018-09-10
Chair Person on Technical Session	National Conference on Recent Trends in Applied Mathematics	Bishop Heber College, Truchirappalli	1	2018-03-03
Chaired Technical Session	to International Conference on Algebra and Applied Mathematics (ISOAAM2018)	HKRH College Uthamapalayam 625533	1	2018-01-11

### V. Seminars (S) / Conferences (C) /Workshops (WS) Organized

Position held	Type	Title of the Programme	Organization Name and Place	Days
Co-Convener	WS	National Workshop on Analysis and Algebra	PG & Research Department of Mathematics, St Joseph`s College (Autonomous) Tiruchirappalli - 620002.	5

**Declaration :** I hereby declare that the information provided here is true to the best of my knowledge.

Place : Trichy 620002.

*P. Lawrence Rozario Raj*