

Dr. C. GURUBARAN

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OBJECTIVE

To work in a challenging environment where my sense of responsibility, creative and skill will be used for best benefit at the organization and my own growth as an individual in all aspects.

EDUCATIONAL QUALIFICATION

- **Ph.D.**, in Mathematics at Jamal Mohamed College under Bharathidasan University, Tiruchirappalli completed in September 2019.
- **UGC SET** passed in **2016**.
- **M.Phil.**, in Mathematics with **79.67%** at Jamal Mohamed College under Bharathidasan University, Tiruchirappalli during 2013 to 2014.
- **M.Sc.**, in Mathematics with **80.65%** at Jamal Mohamed College under Bharathidasan University, Tiruchirappalli during 2011 to 2013.
- **B.Sc.**, in Mathematics with **74%** at Bishop Heber College under Bharathidasan University, Tiruchirappalli during 2007 to 2010.
- **HSC** with **80.67%** at Bishop Heber Higher Secondary School, Tiruchirappalli under Tamil Nadu State Board passed during March 2007.
- **SSLC** with **81.2%** at Bishop Heber Higher Secondary School, Tiruchirappalli under Tamil Nadu State Board passed during April 2005.

TEACHING EXPERIENCE

- ✓ Working as an **Assistant Professor** in Jamal Mohamed College (Autonomous), Tiruchirappalli from 12.06.2023 to till date (Upto 18.12.2023)
Under Graduate : 6 months 6 days
- ✓ Worked as an **Assistant Professor** in National College (Autonomous), Tiruchirappalli from 19.06.2017 to 30.04.2023
Under Graduate : 5 years 10 months 11 days
Post Graduate : 5 years 10 months 11 days

PUBLICATIONS

- C. Gurubaran, A. Prasanna and S. Ismail Mohideen, Inverse Equitable Dominatin in Fuzzy Graphs, Journal of Computer and Mathematical Sciences, ISSN 0976 – 5727, Volume – 09, Issue-10, October 2018, PP – 1575 – 1584.
- C. Gurubaran and A. Prasanna, Equitable Edge Domination in Fuzzy Graphs, Malaya Journal of Matematik, ISSN 2319 – 3786, Volume – 06, Issue – 04, November 2018, PP – 716 – 719.
- C. Gurubaran, A. Prasanna and S. Ismail Mohideen, Connected End Equitable Domination in Fuzzy Graphs, International Journal of Advent Technology, ISSN 2321 – 9637, Vol 6, No (7), July 2018, PP – 1610 – 1615.
- C. Gurubaran, A. Prasanna and A. Mohamed Ismayil, 2 – Equitable Domination in Fuzzy Graphs, International Journal of Applied Engineering Research, ISSN 0973- 4562, Vol 13, No (16), September 2018, PP – 12531 – 12535.
- C. Gurubaran, A. Prasanna and A. Mohamed Ismayil, Paired Equitable Domination in Fuzzy Graphs, International Journal of Mathematical Archieve, ISSN 2229 – 5046, Vol 9, No (6), 30th May 2018, PP - 43 – 47.
- C. Gurubaran, A. Prasanna and S. Ismail Mohideen, Split and Non – Split Domination Number in Bipolar Fuzzy Graphs, Annals of Pure and Applied Mathematics, ISSN 2279 – 087X, Vol 15, No (1) , 11th December 2017, PP-115 – 121.

SEMINARS / WORKSHOPS / CONFERENCES PARTICIPATION

- Workshop on Real Analysis, National College, Trichy, 22nd February 2019.
- International Conference on Discrete Mathematics, National College, Trichy, 14th to 17th December 2018.
- CSIR Sponsored International Workshop on Graph Theory and Internet of things in Engineering (Labeling, Coloring, Embedding, Domination & IoT), Vellore Institute of Technology, Chennai, 13th & 14th July 2018.
- International Conference on Mathematical Methods and Computation, Jamal Mohamed College, Trichy, 11th December 2017.
- UGC Sponsored One Day National Conference on Graph Theory, Fuzzy Graph Theory and Their Applications, Jamal Mohamed College Trichy, 10th & 11th February 2016.
- One Day State Level Seminar & Workshop on Personality Development & Fashion Portfolio, Organized by the Department of Fashion Technology & Costume Designing, Jamal Mohamed College In associate with Footwear Design & Development Institute, Ministry of Commerce & Industry Govt. of India 4th March 2015.

- International Conference on Mathematical Methods and Computation, Jamal Mohamed College, Trichy, 22nd & 23rd January 2015.
- International Conference on Mathematical Methods and Computation, Jamal Mohamed College, Trichy, 13th & 14th February 2014.
- UGC Sponsored One Day National Seminar on Discrete Mathematics and its Applications, Jamal Mohamed College, Trichy, 09th March 2013.
- National Seminar on Algebra and Graph Theory on Mathematics, Srinivasan College of Arts & Science, Perambalur, 26th Sep 2012.
- UGC Sponsored One Day International Conference on Mathematics and its Application, Islamiah College, Vaniyambadi, 29th August 2012

AREA OF SPECIALIZATION

- Graph Theory
- Fuzzy Graph Theory
- Analysis

SUBJECT TAUGHT

Under Graduate

- ✓ Graph Theory
- ✓ Algebra
- ✓ Complex Analysis
- ✓ Numerical Methods
- ✓ Calculus
- ✓ Operations Research
- ✓ Allied Mathematics
- ✓ Operations Research

Post Graduate

- ✓ Numerical Analysis
- ✓ Complex Analysis

RESEARCH EXPERIENCE

Research Stage	Title of Work / Thesis	College / University where the work was carried out
M. Phil.,	A New Algorithm for Multi – Objective Shortest Path Problem with k – Specified Nodes	Jamal Mohamed College/ Bharathidasan University, Trichy
Ph.D.,	Some Contributions to Equitable Domination in Fuzzy Graphs	Jamal Mohamed College/ Bharathidasan University, Trichy

RESOURCE PERSON

Programme	Role	Level / Topic	Date
Young Student Scientists Program – YSSP 2018, Tamilnadu State Council for Science & Technology, Department of Higher Education, Govt. Tamilnadu	Resource Person	State Level School Students Program	24 th December 2018 to 07 th January 2019

ACADEMIC ACHIEVEMENTS

Merit Certificates:

- Secured Overall **Second Rank** in **M.Sc., Mathematics** at the **College Level**

First Rank in PG Papers

- Algebra
- Real Analysis
- Programming in C++

Second Rank in PG Papers

- Topology
- Differential Geometry
- Ordinary Differential Equations
- Mathematical Statistics
- Fuzzy Analysis

CO-CURRICULAR ACTIVITIES ACHIEVEMENTS

Represented PG & Research Department of Mathematics Various Inter College Competitions

- Jamal Mohamed College (Autonomous), Trichy
Won the **Second Prize** in the Quiz Competition on 20th Feb 2013
- Rajah Serfoji Govt. College (Autonomous), Thanjavur
Won the **Third Prize** in Mathematical Model on 15th March 2013
- Department of Mathematics Bharathidasan University
Participated in State Level Quiz Competition on 8th Feb 2013
- Holy Cross College (Autonomous), Trichy
Participated in Math Fest Event at Mathgene'13
Participated in Who Am I Event at Mathgene'13
- Gandhigram Rural Institute—Deemed University
Participated in Inter Collegiate Contest Maths Quiz on 14th Feb 2013

- Nehru Memorial College (Autonomous), Puthanampatti, Trichy
Won the **Second Prize** in Math Quiz on 26th Feb 2012
- Thanthai Hans Roever College, Perambalur
Won the **Second Prize** in **Surprise Event** on MATROQUIZ'12
Won the **Third Prize** in **Master Mind** on MATROQUIZ'12
Won the **Third Prize** in **Mixup Event** on MATROQUIZ'12
- Bon Secours College For Women, Thanjavur
Participated in (Math Star 2012) State Level Quiz on 14th March 2012

PERSONAL DETAILS

Date of Birth	:	01.06.1990
Gender	:	Male
Marital Status	:	Married
Nationality	:	Indian
Religion	:	Hindu / BC – Veerakodi Vellalar
Languages Known	:	English & Tamil

DECLARATION

I, Dr. C. Gurubaran hereby assure that the above given information is true to the best of my knowledge and belief, and I will prove to be worthy of your confidence and satisfaction.

Place : Trichy
Date : 18.12.2023

(C. GURUBARAN)