

## PROFILE



Name : Dr.Mrs.D.Selvi  
Designation : Assistant Professor  
Department : Mathematics  
Date of Birth : 06.03.1974

Date of Appointment : 16.06.2016

### ACADEMIC :

S.No.	DEGREE	UNIVERSITY/INSTITUTION	YEAR OF COMPLETION
1.	B.Sc.	H.K.R.H. College, Uthamapalayam	April, 1994
2.	M.Sc.	J. A. College For Women, Periyakulam.	April, 1996
3.	M.Phil.	Madurai Kamaraj University, Madurai.	April, 1997
5.	Ph.D	Madurai Kamaraj University, Madurai	March,2013

**Total Experience :** 11 years and 6 months at SIT,Kariyapatti.

07 months at Sri.Meenakshi Govt. College, Madurai

From 16-06-2016 to till date at JACollege,

**Area of Specialization/Interest :** Operations Research

**Academic Affiliation** : ----- **Professional**

**Affiliation :**

- NSS Programme Officer

- Member of Discipline Committee
- Alumini Member
- Coordinator of JACSAFA
- Member of Research Committee
- Coordinator of Minority and Remedial Coaching Cell

### **Research Publication :**

#### **International Publication :**

- “Analyzing and prioritizing the linguistics variable of COVID-19 using Triangular Fuzzy Cognitive Maps”, Gradiva Review-Journal, Volume- 9, Issue 3, 1119-1126,2023.
- “Electronic Products Production Inventory Model with Extended Producer’s Responsibility Cost Parameters”, International Journal of Stochastic Modeling & Applications, ISSN: 0972-3641 Vol. 26, No.3, 554 – 561, 2022 .
- “Shortest Path with Normalized Single-Valued Trapezoidal Neutrosophic Numbers”, Studies in Indian Place Names, ISSN: 2394 3114,Vol-40-Issue 70, 3536-3546 , 2020.
- “Solving Fuzzy Linear Programming Problem Using MATLAB” in the Journal of Emerging Technologies and Innovative Research (JETIR), ISSN :2349-5162,Impact Factor:5.87,PP No : 322-327,Volume 6,Issue 2, February 2019.UGC(Approved) No:63975
- Solving Intuitionistic Fuzzy Transportation Problem with Ranking Method using MATLAB Code” International Journal of Applied Science and Computations(JASC), UGC Approved, ISSN NO: 1076-5131,PP No:20-26,Volume 5, Issue XII, December 2018, Impact Factor:5.8, International Level, ISO (International Organization for standardization) 7021-2008.
- “Solving fuzzy assignment problem using Genetic Algorithm”, Mathematical Sciences International Research Journal, SPL Issue 4, 2278– 8697, 2018.
- “Solving fuzzy assignment problem using Centroid Ranking Method”, International journal of Mathematics and its Applications, SPL Issue (2018), ISSN:2278 – 8697,2018.
- “Method for solving fuzzy assignment problems using Magnitude Ranking Technique”, International journal of applied and advanced scientific research , ISSN: 2456-3080,2017.
- “Modified Method of Generating Randomized Latin Squares”, International Organization of Scientific Research, Vol. 16, Issue 1,February (2014).

## National Publication

- **“Challenges of Applying Markov Decision Process to Wireless Sensor Networks”**, JAC Journal of Science, Humanities and Management, Vol.3, No.2- June 2016, ISSN:2347-9868.
- **“Solving Land use Model with Matrix Representation using Genetic Algorithm”**, JAC Journal of Science, Humanities and Management JOSHAM, Volume 5, June 2018, ISSN:2347-9868.

## Seminar/conferences/Workshops participated :

- Workshop on **Application in Fuzzy Mathematics and Fractal Geometry** at American College on 21<sup>st</sup> Feb, 2014
- Workshop on **“Fuzzy Optimization for Image Processing & Control System Applications”** at Sethu Institute of Technology on 3<sup>rd</sup> December, 2012
- National level conference on **Quality Assurance and Quality Sustenance in Higher Educational Institutions: Challenges and Solutions** at Jayaraj Annapackiam College for Women, Periyakulam on 29<sup>th</sup> & 30<sup>th</sup> September, 2016
- National seminar on **Topological Graph Theory** at Jayaraj Annapackiam College for Women(Autonomous), Periyakulam on 19<sup>th</sup> December, 2016.
- National Seminar on **“Recent Trends in Applied Mathematics”** organized by Research Centre and PG Department of Mathematics at JayarajAnnapackiam College for Women(Autonomous), Periyakulam on 13<sup>th</sup> December, 2017
- International Conference on **“Emerging Trends in Mathematical Sciences and Technology”** (ICETMST 2018) organized by Research Centre & PG Department of Mathematics, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 20<sup>th</sup> and 21<sup>st</sup>, December 2018.
- Two days workshop on **“Fuzzy Set Theory and its Applications”** organized by Research Centre & PG Department of Mathematics, JayarajAnnapackiam College For Women(Autonomous), Periyakulam, on 27<sup>th</sup> and 28<sup>th</sup>, February 2019.
- **NSS Orientation Training** from 13. 11. 2019 to 19. 11. 2019 at Empanelled Training Institution (ETI), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamil Nadu.
- Attended 7 days National Level Short Term Training Programme(online) on **“Reimagining Classrooms: Innovative Pedagogies for Engaged and Outcome-Based Learning”** held from 5th November 2025 to 12th November 2025, organized by the PG Department of Computer Science, Jayaraj Annapackiam College for Women

(Autonomous), Periyakulam and Department of Computer Science, Teresian College, Mysuru.

**Conference presentation:**

- **“A novel genetic algorithm for land use planning using matrix representation”**, International conference on discrete and computational mathematics-ICDCM 2017, at Gandhigram Rural Institute –Deemed University.

**Orientation/ FDP Attended :**

- Two-week workshop on “Research Methodology and Data Analysis” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi, from 17th to 31st May 2025.
- Six-day workshop on “LaTeX” organized by Sanjay Ghodawat University, from 27th April to 02nd May 2020.
- Five-day workshop on “Outcome Based Education Binary Accreditation and Usage of AI” organized by St. Mary’s Centenary Degree College (Managed by Hyderabad Archdiocese Educational Society), Secunderabad, Telangana, from 2nd to 6th June 2025.
- Seven-day workshop on “Mathematical Applications: Computational AI, Neural Networks, and Vedic Mathematics” organized by Sri Venkateswara College of Engineering and Technology, from 11th to 17th March 2025.
- Attended the UGC-sponsored **Online Interdisciplinary Refresher Course in Basic Sciences** under the theme “**Recent trends in Basic Sciences**” conducted by the UGC–Malaviya Mission Teacher Training Centre, Madurai Kamaraj University, Madurai, for 14 days from 12.11.2025 to 25.11.2025.

**No.of Webinar and Conferences attended = 40**

**NPTEL Certificate :**

- Attended an online course in NPTEL in “**Essential Mathematics for Machine Learning**” conducted by IIT Roorkee and received an **Elite certificate** for the successful completion of the course.

**CONTACT DETAILS:**

Present Addresses : .Near Carmel church, JA College Road, Periyakulam..

Permanent Addresses : 3/386-B Near Keswick Public School,  
Dinamani Nagar,  
Madurai-625 018

Mobile 7373377540

E.Mail Id :drdselvi@gmail.com, selvimat@annejac.ac.in