CAUVERY COLLEGE FOR WOMEN(AUTONOMOUS)

STAFFPROFILE

PERSONALINFORMATION

1. Name **:Dr.P.SUDHA**

2. Date of Birth **:03.06.1980**

3. Address **:**

Residential	Office
43/85,5th cross, **Simco Colony,** **Edamalaipatti Pudur(post),** **Trichy–12**	**Assistant Professor,** **PG and Research Department of Mathematics,** **Cauvery college for women,** **Annamalai Nagar,** **Trichy–18.**

ACADEMICINFORMATION

4. Designation & Department: **Assistant Professor,**
PG and Research Department of Mathematics

5. Educationa lQualification:

Degree	Year	College/University
Ph.D	2017	Rajah Serfoji Government Arts College, Bharathidasan University
M.Phil.,	2005	Centre for Distance Education, Bharathidasan University
M.Sc.,	2003	AVC College of Arts and Science, Mayiladuthurai, Bharathidasan University
B.Sc.,	2001	Dharmapuram Gnanambigai Government Arts College, Mayiladuthurai. Bharathidasan University

6. Experience :

Date of Joining	Institution	Year of Experience
18.06.2005	Pavendar Bharathidasan College of Arts and Science	3
19.06.2008	Pavendar Bharathidasan College of Engineering and Technology	7
18.06.2015	MAM School of Architecture	3
18.06.2018	Cauvery college for women	8

7. Areas of Specialization :GENERALTOPOLOGY

8. Languages known :ENGLISH,TAMIL

9. Subjects Taught :

UG	Differential calculus and Trigonometry, Statics, Dynamics, AnalyticalGeometry3D, ODE, PDE, LaplaceTransforms, VectorCalculus, Calculus and Fourier Series, Analytical Geometry and Vector Calculus, Integral Calculus, Cyber Security.
PG	Ordinary Differential Equations, Partial Differential Equations, Mathematical Foundation For computerScience, Bioinformatics and BioStatistics, Fuzzy Sets and their Applications, Cyber Security.
M.Phil	**-**

10. DetailsofPublications:

Journal Name& Volume	Year of Publication	ISBN Number	Name of the Paper	Impact Factor
International Journal Of Pure and Applied Mathematics Vol.86(2),2013	2013	1311-8080	On ω-US Spaces	**7.19**
Q and A in General Topology Vol.32(2),2014	2014	0918-4732	On ω-Paracompact Spaces and its weakform	3.19

Acta Universitatis Apulensis Vol.40,2014	2014	1582-5329	A new type of covering dimensions	
International Journal of Pure and Applied Mathematics Vol.86(2),2013	2013	1311-8080	On weakly ω-continuous functions	**7.19**
ANALELE STIINTIFICE, ALE UNIVERSITATH "AL.I.CUZA"DIN IASI, ROMANIA, TOM LX,	2014	1221-8421	**The $\omega*$ -open** topology for function spaces F.2,2014	
Journal Of Information And Computational Science Volume10,Issue2,2020	2020	1548-7741	A Study On Contraction Edge Operation In Graph By Using Generating Topology	**6.2**
The International Journal Of Analytical And Experimental Modal Analysis Volume XII, Issue II, 2020	2020	0886-9367	Application of Fibonacci Square Fashion Design	**6.3**
KalaSarovar Volume23,No.04[XI]	October-December 2020.	0975-4520	Operation Submaximal (Extremally disconnected) Spaces	**-**
Journal of the Maharaja Sayajirao Volume–54,Nno.[XVI] 2020-2021.	2020	0025-0422	Bioperation SemiCompact Spaces	**-**

SambodhiJournal Volume – 43, No..04 [XXIII]	October-December 2020.	2249-6661	On Pairwise Intuitionistic Fuzzy Resolvable (Irresolvable) Spaces	**5.80**
AnnalsofR.C.S.B Vol.25,Issue4,2021	01April 2021	1583-6258	Operation Submaximal (Extremally disconnected) Spaces	
Discrete Dynamics in Nature and Society, Hindawi	July2022	1026–0226	The Characterization of Substructures of c-Anti Fuzzy Subgroups with Application in Genetics	
International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume13,IssueIII,Page No. 521 -527,	March2025	2321-9653	Pythagorean Fuzzy Soft Nano Topological Space and its Applications	**8.067**
Journal of Environmental Nanotechnology, **Volume 14, No. 4,**	Dec 2025	185 - 191	Nanosensors for Assessing Nanoparticle Smart Interactions in Crops: A Review	**1.4**
International Journal of Fuzzy Mathematics and Systems. Volume 16, Number 1 (2026), pp. 1-7	March 2026	2248-9940	BI-Topological Pythagorean Fuzzy Soft Set for Decision Making	
Aryabhatta Journal of Mathematics & Informatics Volume18,IssueI,Page No. 73 - 86	Jan – June 2026	2394-9309	Bi-Topological Pythagorean Fuzzy Soft Set in R-Programming	**6.072**

11. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
10th& 11thAugust2007	Shrimati Indira Gandhi College	State Level Seminar on Computer Oriented Mathematical Techniques	Fuzzy Logic
20.02.2019	Annai Women's College (Arts and Science)	Advances in Mathematics	Mesh Morphing using Euler's formula on Topology

12. Details of Seminars/ Conferences/ Workshops Attended:

Year& Date	Organizer	Title	National/ International	Topic
3rd to 7th December 2007	Bharathidasan University	Capacity Building Of Women Managers in Higher Education	National	Capacity Building of Women Managers in Higher Education
11thOctober 2019	AIMAN College of Arts and Science, Trichy	Fuzzy Mathematics	Faculty development Programme	Fuzzy Mathematics
9thand10th June2022	IQAC, Cauvery College for Women (Autonomous), Trichy	Fostering Global Competence among Higher Education Institutions through Technology	Faculty development Programme	Fostering Global Competence Among Higher Education Institutions through Technology
28thDecember 2022 to 3rd January2023	TheivanaiAmmalCollegefor Women (Autonomous), Villupuram	Research Methodology: Analysis,Tools& Techniques	Faculty development Programme	Research Methodology: Analysis,Tools &Techniques
6thand7th January2023	Jamal Mohammed College (Autonomous), Trichy	Differential Equations and their Applications in Mathematical Modelling	Workshop	Differential Equations and their Applications in Mathematical Modelling

13. Details of Orientation/Refresher Course Attended:

Date	Title of the Course	Organizer	Result
August – October 2019	Matrix Analysis with Applications	NPTEL	Elite
February – April 2020	Descriptive Statistics with R Software	NPTEL	Elite+Gold
January – February 2021	Python for Data Science	NPTEL	Elite
January – April 2022	Numerical Linear Algebra	NPTEL	Elite+Silver
January – April 2023	Applied Linear Algebra in AI and ML	NPTEL	Elite+Gold
January – April 2025	Essentials of Data Science With R Software-2: Sampling Theory and Linear Regression Analysis	NPTEL	Elite+Silver+Topper

14. Details of Participation in Consultancy, Training, Development etc..:

- Consultancy-Microsoft- Certified Microsoft Innovative Educator
- Consultancy-Microsoft-Getting started with one Note