

## CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)

### STAFF PROFILE

#### PERSONAL INFORMATION

1. Name : Dr.P.SUDHA

2. Date of Birth : 03.06.1980

3. Address :

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

#### ACADEMIC INFORMATION

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

5. Educational Qualification :

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	6

**7. Areas of Specialization : GENERAL TOPOLOGY****8. Languages known : ENGLISH , TAMIL****9. Subjects Taught :**

<b>UG</b>	Differential calculus and Trigonometry, Statics, Dynamics, Analytical Geometry 3D, ODE,PDE, Laplace Transforms, Vector Calculus, Calculus and Fourier Series, Analytical Geometry and Vector Calculus
<b>PG</b>	Ordinary Differential Equations, Partial Differential Equations, Mathematical Foundation For computer Science, Bioinformatics and BioStatistics, Fuzzy Sets and their Applications
<b>M.Phil</b>	-

**10. Details of Publications:**

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 $\omega$ -US Spaces	<b>7.19</b>
Q and A in General Topology Vol.32(2), 2014	2014	0918-4732	On $\omega$ -paracompact spaces and its weak form	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 $\omega$ - continuous functions	<b>7.19</b>
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 Volume 10, Issue 2,2020	2020	1548-7741	A Study On Contraction Edge Operation In Graph By Using Generating Topology	<b>6.2</b>
The International Journal Of Analytical And Experimental Modal Analysis Volume XII, Issue II, 2020	2020	0886-9367	Application of Fibonacci Square Fashion Design	<b>6.3</b>
Kala Sarovar Volume 23,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 Semi Compact Spaces	-
Sambodhi Journal  Volume – 43, No..04 [XXIII]	October- December 2020.	2249-6661	On Pairwise Intuitionistic Fuzzy Resolvable (Irresolvable) Spaces	<b>5.80</b>
Annals of R.C.S.B  Vol.25, Issue 4, 2021	01 April 2021	1583-6258	Operation Submaximal (Extremally disconnected) Spaces	
Discrete Dynamics in Nature and Society, Hindawi	July 2022	1026 - 0226	The Characterization of Substructures of c-Anti Fuzzy Subgroups with Application in Genetics	

#### 11. Details of Papers Presented:

Date	Organizer	Name of the Seminar	Paper Name
10 <sup>th</sup> & 11 <sup>th</sup> August 2007	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
3 <sup>rd</sup> to 7 <sup>th</sup> December 2007	Bharathidasan University	Capacity Building of Women Managers in Higher Education	National	Capacity Building of Women Managers in Higher Education
11 <sup>th</sup> October 2019	AIMAN College of Arts and Science, Trichy	Fuzzy Mathematics	Faculty development Programme	Fuzzy Mathematics

9 <sup>th</sup> and 10 <sup>th</sup> June 2022	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
28 <sup>th</sup> December 2022 to 3 <sup>rd</sup> January 2023	Theivanai Amma College for Women (Autonomous), Villupuram	Research Methodology: Analysis, Tools & Techniques	Faculty development Programme	Research Methodology: Analysis, Tools & Techniques
6 <sup>th</sup> and 7 <sup>th</sup> January 2023	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
August – October 2019	Matrix Analysis with Applications	NPTEL
February – April 2020	Descriptive Statistics with R Software	NPTEL
January – February 2021	Python for Data Science	NPTEL
January – April 2022	Numerical Linear Algebra	NPTEL
January – April 2023	Applied Linear Algebra in AI and ML	NPTEL

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

- Consultancy- Microsoft - Certified Microsoft Innovative Educator
- Consultancy- Microsoft - Getting started with OneNote