

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 th cross , Simco Colony, EdamalaipattiPudur (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 | DharmapuramGnanambigai 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 Years 9 Months |

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

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

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 ω -US Spaces | 7.19 |
| Q and A in General Topology Vol.32(2), 2014 | 2014 | 0918-4732 | On ω -paracompact spaces and its weak form | 3.19 |

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|---|-------------------------------|-----------|---|-------------|
| 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 ω_* - 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 | 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 |
| 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 | - |

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|--|-------------------------------|-------------|--|--------------|
| Sambodhi Journal Volume – 43, No..04 [XXIII] | October- December 2020. | 2249-6661 | On Pairwise Intuitionistic Fuzzy Resolvable (Irresolvable) Spaces | 5.80 |
| 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 | |
| International Journal for Research in Applied Science & Engineering Technology (IJRASET) Volume 13, Issue III, Page No. 521 -527, | March 2025 | 2321 - 9653 | Pythagorean Fuzzy Soft Nano Topological Space and its Applications | 8.067 |

11. Details of Papers Presented:

| Date | Organizer | Name of the Seminar | Paper Name |
|--|--|--|--|
| 10 th & 11 th 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 rd to 7 th December 2007 | Bharathidasan University | Capacity Building of Women Managers in Higher Education | National | Capacity Building of Women Managers in Higher Education |

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|--|--|--|-------------------------------|--|
| 11 th October 2019 | AIMAN College of Arts and Science, Trichy | Fuzzy Mathematics | Faculty development Programme | Fuzzy Mathematics |
| 9 th and 10 th 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 th December 2022 to 3 rd January 2023 | TheivanaiAmma College for Women (Autonomous), Villupuram | Research Methodology: Analysis, Tools & Techniques | Faculty development Programme | Research Methodology: Analysis, Tools & Techniques |
| 6 th and 7 th 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 |

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

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